

STL53/35

FINAL
ENVIRONMENTAL IMPACT STATEMENT
FOR THE
STRATEGIC TARGET SYSTEM

Volume III

May 1992



U.S. Army
Strategic Defense Command

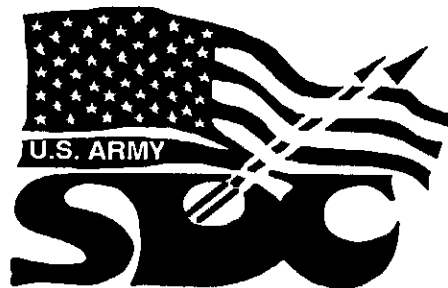
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Final
**ENVIRONMENTAL IMPACT STATEMENT
FOR THE
STRATEGIC TARGET SYSTEM**

*Volume III
Written Comments*

U.S. Army Strategic Defense Command



May 1992

VOLUME III WRITTEN COMMENTS

This volume of the Strategic Target System Final Environmental Impact Statement contains the Exhibits (written comments) received at the public hearing and the Comment Letters received during the public comment period. Also included are the cited references, the commentor index, and the distribution list.

TABLE OF CONTENTS

VOLUME III WRITTEN COMMENTS

<i>chapter</i>		<i>page</i>
1.	EXHIBITS	1-1
2.	COMMENT LETTERS	2-1
3.	LIST OF PREPARERS	3-1
4.	REFERENCES	4-1
5.	INDEX	5-1
6.	DISTRIBUTION LIST	6-1

CHAPTER 1
EXHIBITS

CHAPTER 1

EXHIBITS

This chapter presents copies of exhibits received during the March 24 and 25 public hearing for the Strategic Target System Draft EIS. Exhibits included copies of speakers prepared speeches, supporting documentation, and written comments sheets. A total of 111 exhibits were received during the two sessions of the public hearing. In addition, over 2,300 form letters (see EX107, EX108, and EX109) were submitted. The exhibit commentor number is shown in the upper left corner and categorized comments are shown in the right margin.

EX1

COMMENTS OF
STATE REPRESENTATIVES
BERTHA KAWAKAMI & EZRA KANOHO
ON THE U.S. ARMY STRATEGIC DEFENSE COMMAND'S
DRAFT ENVIRONMENTAL IMPACT STATEMENT
FOR THE STRATEGIC TARGET SYSTEM

March 25, 1992

August C. Manguso
Lieutenant Colonel, USA
U.S. Army Strategic Defense Command

Dennis R. Gallen
Environmental Engineer
U.S. Army Strategic Defense Command

Thank you for giving us the opportunity to submit comments on this important matter.

Even though the Pacific Missile Range Facility (PMRF) at Mana Is located within Representative Kawakami's 51st district, both of us have been very interested in the proposed launching of Strategic Target System missiles from the Kaula Test Facility since the project was originally proposed.

As Kaula residents will note throughout this hearing, we have many concerns about the impact that the missile launching could have on the local environment. For this reason, we want a full disclosure of the environmental impacts that this proposed project will have. And once the impacts are clearly known, we want to be assured that steps will be taken to mitigate these impacts as much as possible. We also want to keep abreast of all new developments related to this project.

Not being experts on air quality and threatened or endangered flora and fauna, and knowing little about missile launchings, we cannot speak with any authority on whether the draft environmental impact statement adequately discusses the impacts that may result from the proposed project. For these specific topics, we gladly defer to the experts in the field.

We would like to, however, share our thoughts with you on the broader implications that this issue is having on the Kaula community. On this topic--the people of Kaula--we feel that we are better qualified to speak.

We must ask ourselves: what is the impact that this issue is having on the social fabric of our community? This is a question that greatly concerns us, because we foresee a polarity forming in our community that may have a lasting impact on us--long after the decision is made on the adequacy/inadequacy of the environmental impact statement. We see this polarity forming, not over specifics contained in the draft environmental impact statement. Rather, it is over a broader concern--whether

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EX1 (cont.)

the long-term survival of the PMRF, itself, hinges in any way on the approval of this project. In other words, the livelihood of many Kaula residents may be in jeopardy. We don't know whether such a linkage exists. We do know that some have maintained this position, and others have denied it. Nevertheless, this disturbing speculation persists. And it concerns us, because PMRF has been a good neighbor. It supports the economy of our island, and it assumes a very important niche in our community and the state.

To minimize such divisiveness in our community, it is important for the final environmental impact statement to clarify this concern once and for all.

At the same time, we at the Legislature are working to ensure the long-term survival of the PMRF. Two weeks ago, we introduced House Concurrent Resolution No. 360 (attached) which urges the United States Congress, the President of the United States, and the Secretary of Defense to maintain the PMRF as the United States' foremost missile range facility in the interest of assuring the nation's defense and preserving world security and peace. The concurrent resolution also urges Hawaii's congressional delegation to do everything in their power to preserve the integrity and capability of the PMRF. The gist of this measure is that Kaula cannot afford to lose the PMRF.

We end our comments with these requests. We ask the United States Army to please listen carefully to the testimony that is given at this hearing. In addition to the specific questions that will be raised, please also consider the broader message that we are giving to you--Kaula residents are very concerned about protecting both our environment and our community.

Finally, we ask those in the audience to be tolerant of those who have different views from yours. Please remember: we need to live with each other.

We appreciate the opportunity to testify.

Bertha Kawakami
State Representative
51st District

Ezra KanoHo
State Representative
50th District

Attachment

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1-3

HOUSE CONCURRENT RESOLUTION

URGING THE CONGRESS OF THE UNITED STATES, THE PRESIDENT OF THE UNITED STATES, AND THE SECRETARY OF DEFENSE, TO MAINTAIN THE PACIFIC MISSILE RANGE FACILITY AT MANA, ON THE ISLAND OF KAUAI, IN THE STATE OF HAWAII, AS THE UNITED STATES' FOREMOST MISSILE RANGE FACILITY.

WHEREAS, the Pacific Missile Range Facility (PMRF) at Mana, on the island of Kauai, in the State of Hawaii, was established twenty-eight years ago and has long been acclaimed as the world's premier missile testing and fleet maneuvering site; and

WHEREAS, through the years, hundreds of millions of taxpayers' dollars have been invested in structures, runway and missile firing facilities, as well as sophisticated testing, tracking, missile retrieving, and related telecommunications equipment, to attain this needed capability; and

WHEREAS, the PMRF covers a land area of 2,478 acres at Mana, Kokee, Makaha ridge, Kaumokala ridge, and Port Allen, on the island of Kauai, and a radar site at Mauna Kapu, on the island of Oahu, as well as an underwater tracking range of 1,000 square miles, which is cabled to provide subsurface monitoring and tracking capability; and

WHEREAS, the total range of designated operations at the PMRF spans 29,000 square miles of open ocean, far removed from traveled sea lanes, as well as the flight patterns of commercial air carriers, unlike the congestion and conflict that exists anywhere along the continental coastline of the United States; and

WHEREAS, experiences from war in the Persian Gulf and other recent conflicts mandate that national defense and world security be maintained to guard against unscrupulous dictators who intentionally mislead and rally their unwary citizenries against depicted enemies to satisfy their personal quests for power; and

WHEREAS, the Legislature wishes to clearly express its total support for the intent of the "STARS PROGRAM", provided that an environmental impact statement and its review indicate that the island of Kauai and the State of Hawaii will not be adversely impacted environmentally, or in any other way, by the program; and

WHEREAS, the PMRF and its personnel and employees--numbering 135 active-duty Navy personnel and 711 civilian employees, tenant employees, and Hawaii Air National Guard personnel--have been good and caring neighbors who, in their official and volunteer capacities, have established a proud history of willingness to provide various services to the community, including contributions to the Kauai United Way and four-year college scholarship grants to Kauai's youth; and

WHEREAS, the vast, albeit silent, majority of the people on the island of Kauai recognize:

- (1) The beneficial presence of the PMRF through the facility's creation of technical and skilled job opportunities, as well as the facility's substantial contribution to the island's economy; and
- (2) That there would be a devastating effect on the island's residents should the PMRF's activities, with an annual operating budget of \$73,000,000, be significantly curtailed or completely terminated;

now, therefore,

BE IT RESOLVED by the House of Representatives of the Sixteenth Legislature of the State of Hawaii, Regular Session of 1992, the Senate concurring, that the Legislature respectfully urges the Congress of the United States, the President of the United States, and the Secretary of Defense, to maintain the Pacific Missile Range Facility at Mana, on the island of Kauai, in the State of Hawaii, as the United States' foremost missile range facility, not only for all the reasons cited in this Concurrent Resolution, but more particularly in the interest of assuring the nation's defense and preserving world security and peace; and

BE IT FURTHER RESOLVED that the members of Hawaii's congressional delegation are respectfully requested to support the intent of this Concurrent Resolution and to do everything in their power to preserve the integrity and capability of the Pacific Missile Range Facility; and

BE IT FURTHER RESOLVED that certified copies of this Resolution be transmitted to the President of the United States,

H.C.R. NO. 360

the Secretary of Defense, Hawaii's congressional delegation, the Governor, the Mayor of the County of Kauai, the members of the Kauai County Council, and the Commanding Officer of the Pacific Missile Range Facility.

OFFERED BY:

[Handwritten signatures]

David S. Nekomoto
P.O. Box 123
Lawai, Kauai, HI 96765
(808) 332-7287 (H)
(808) 335-4657 (O)

March 24, 1992

TO WHOM IT MAY CONCERN;

This is to identify Ms. Annelle Hazlett as the individual who will read my statement at the STARS EIS hearing as I indicated I would be out of town. I have been assigned a time of 7:58 p.m.

Thank you very much.

[Handwritten signature]
David S. Nekomoto

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EX2 (cont.)

David S. Nekomoto
P.O. Box 123
Lawai, Kauai, HI 96765
(808) 332-7287 (H)
(808) 335-4657 (O)

March 24, 1992

TESTIMONY FOR THE STARS DRAFT EIS REVIEW HEARING

Thank you for allowing me to submit to you my written testimony for this important hearing.

First of all, I would like to say that I support the STARS Program and the Pacific Missile Range Facility. I have reviewed the Draft EIS, and am convinced that there would be no significant impact caused by the STARS launches.

Hawaii as a state is about to feel the far reaching impacts of massive Defense cutbacks, and we as citizens should be very concerned about the economic consequences.

Strategic Defense Initiative programs, including STARS, have survived these cuts and more importantly, have received increased funding, as approved by Congress. We should cherish the fact that the program can be so significantly supported from our little base right here on Kauai!

I have stated my strong belief that the existence of PMRF today is due largely to Test and Evaluation programs with SDIO being PMRF's largest customer. Those of us who understand business know the value of keeping your biggest accounts in good shape!! I'm not saying that public safety should be compromised--I am confident that project personnel are doing a good job at minimizing risks to the public and to the environment.

In the face of increasing evidence that there are serious questions being raised about the future of PMRF, I think that anyone who has concern over the economic well-being of our County would not be protesting the presence of STARS on Kauai.

Those who protest the STARS program should be scrutinized. How many who protested for the EIS have stopped protesting now that the EIS has been mandated??? I would venture to say that most of the same protesters are now focused on eliminating the program from Kauai altogether. My question to these protesters is:

"If you knew that your protests could do irreparable economic harm to Kauai and her people, would you continue in your protest?"

If the answer is "NO, I would stop," then I urge you to listen & evaluate.

If your answer is "YES, I would continue," then I urge you to move from Kauai.

EX2 (cont.)

To you the Program Managers, please be aware that there are many, many people who support the base and its programs. However, our military and civil service personnel are somewhat restrained in the extent they are able to speak in public, and the vast majority of the other good folk who support PMRF are not of the stock, or do not have the time or money to involve themselves in a prolonged effort to ring bells and rattle cages as our opposition is so capable of doing. Our people don't have the kind of finances it takes to continuously run expensive television, radio and newspaper advertisements, or to hire high priced speakers from out of town. We're being outclassed and outspoken by people with fancy credentials who speak in half truths. Most of them are new arrivals to Kauai, who want to burn the bridge now that they're across it--people who don't know or feel the meaning of the word "ALOHA," people who don't care that the base could close.

To my fellow supporters of PMRF and the STARS Program--I thank you for coming out to show where you stand. I urge you to continue the fight as hard as you can, as the base's future is in our hands. We must be active and vocal, or we will all lose out. Urge others to get involved. Our politicians must get the message so they can act to avert irreversible damage to our island's economy.

PMRF and Pohakuloa are the two largest military training areas remaining in Hawaii, and both are under fire by protestors. If either of these ranges close, there would be reason to relocate operational units to where they are welcome, where there is better access to training facilities. We've already lost Kahoolawe, and this is causing Pearl Harbor based units to transit to San Diego to get to training facilities which permit naval gunfire operations. It won't be long before military decisionmakers take action to transfer these ships and personnel to San Diego in order to be closer to usable training areas.

Yes, I truly believe that Hawaii is headed for real trouble, and it starts in our own back yard. We must do all we can to stop the loss of military training areas if we don't want the operational units to relocate elsewhere!

I know there are many protesters signed up to speak tonight, but I would like you to know that there are also many supporters here--WOULD ALL THOSE WHO SUPPORT PMRF AND THE STARS PROJECT STAND AND SHOUT YOUR SUPPORT???

In addition to the show of support evidenced by those here tonight, it gives me great pleasure to present copies of over 1750 letters of support which have been presented to our leaders in Congress, the State Legislature, and the Mayor and County Council of the Island of Kauai. These letters evidence a declaration of support for PMRF, its people, and its programs. Please accept them as affirmation of the support of many who are too shy to approach this microphone.

Thank you very much for listening.


David S. Nekomoto

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EX3

March 24, 1992

To: U.S. Army Strategic Defense Command

From: Cynthia Stark-Wickman
1746 Hulu Road, Kapaa, Kauai, HI 96746
808-822-3771

Re: **Draft Environmental Impact Statement for the Strategic Target System**

As I teach my children to place their efforts towards a peaceful future, I come before you tonight as a representative of my family, especially my two daughters ages 4 and 7. While they are now being educated to respect the natural environment, the meaning of extinction and endangered species, as well as the concept of equal rights for all people, we as adults are called upon to make judgement as to what is right or wrong for the future of the uniqueness of Kauai.

I will not pretend to fully understand all of the intricacies of this military project, but I will speak of my opinion as to what I believe is significant or "insignificant". Having been educated to know that insignificance is indicative of a low percentage of effect or change, I realized that research and analysis of data can easily justify insignificance by percentages. In the case of our environment, we have been able to observe how "insignificant" alterations and additions can in fact be compounded thus causing mutations to our ecosystem. Our failure to continue to consider the longitudinal impact of any human introduced alterations is a point of issue.

I take the position that any avoidable alteration to our ecosystem is significant. I do not accept that the Strategic Target System research and testing mode is of greater value than the Kauai environment. I prefer that this research remain on paper and in a state of simulation, therefore, I make a plea for the "NO ACTION ALTERNATIVE". No action guarantees the continued undisturbed existence of Kauai's fragile ecosystem.

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EX4



March 24, 1992

Testimony Given Before The U.S. Army Strategic Defense Command
Concerning the STARS Environmental Impact Statement

Gentlemen:

My name is Jay Hanson and I represent the West Hawaii Sierra Club. There are certain issues that we raised during your scoping period that have not been addressed in your EIS:

1. Please present arguments both for and against the current Strategic SDI program, so that we can be certain that STARS is a worthwhile program.
2. Please identify the social impacts that the SDI program has on the residents of Kwajalein Lagoon.
3. Please present a cost/benefit analysis of the STARS program in a way that we ordinary citizens can understand.
4. Please identify all sources of ionizing radiation that could be aboard your launches. Furthermore, please calculate the worst-case radiation health hazards.

The largest source that we are aware of would probably be the depleted uranium (DU) that could be used in a dummy warhead. We are concerned about health hazards if large amounts of DU were to burn on the pad.

Thank You,

Jay Hanson, 78-6622 Alii Drive, Kailua-Kona, HI 96740
Phone: 808-322-7268 Fax: 808-322-7869

ENCLOSURES

Hawaii's Sierra Club - now over 4,000 strong!

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EX4 (cont.)



Forests



Seas

December 17, 1991

Deputy Commander
U.S. Army Strategic Defense Command
Attn: CSSD-EN-V (D.R Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

Dear Mr. Gallien,

This letter is in response to your letter concerning the STARS EIS. I believe that my previous letters have raised all the issues that concern me. I am particularly concerned about sources of ionizing radiation that may be present on your launches.

The largest source that I am aware of would probably be the depleted uranium (DU) that could be used in a dummy warhead. I am concerned about health hazards if a large amount of DU were to burn on the pad.

Please identify all sources of ionizing radiation that could be present on your launches. Furthermore, please calculate their worst-case health hazards.

Aloha,

Jay Hanson, Phone 808-322-7268 Fax 808-322-7869
Program Chair, West Hawaii Sierra Club,
78-6622 Alii Drive, Kailua-Kona, HI 96740

Hawaii's Sierra Club - now over 4,000 strong!

EX4 (cont.)



Forests



Seas

December 25, 1991

Deputy Commander
U.S. Army Strategic Defense Command
Attn: CSSD-EN-V (D. R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

SENT VIA FAX 205-955-1310 and U.S. Mail (5 pages with enclosure)

Dear Mr. Gallien,

After my letter of December 17, concerning the STARS EIS, some of our members raised additional concerns. The West Hawaii Sierra Club apologizes for not mentioning these issues earlier.

Most importantly, the West Hawaii Sierra Club suspects that the following three questions get to the heart of the STARS opposition on Kauai. If your EIS can satisfactorily answer these three questions, the West Hawaii Sierra Club believes that the bulk of the opposition to STARS will evaporate. Conversely, if your EIS does not satisfactorily address these questions, then the people will continue to oppose the STARS program on Kauai.

Question #1 - The West Hawaii Sierra Club feels that the present Strategic (as opposed to theater) SDI program has not been shown to be the most cost-effective, most reliable solution to defend against the perceived nuclear threat. It is the West Hawaii Sierra Club's understanding that several respected scientists have proposed better alternatives (we are enclosing a copy of one recent opinion). Please present arguments both for and against the current Strategic SDI program, so that we can be certain that STARS is a worthwhile program.

Hawaii's Sierra Club - now over 4,000 strong!

EX4 (cont.)



Forests



Seas

Question #2 - After viewing the video "Home on the Range," the West Hawaii Sierra Club is concerned about the negative impacts on the residents of Kwajalein Lagoon. Please identify the social impacts that the SDI program has on the residents of Kwajalein Lagoon.

Question #3 - The West Hawaii Sierra Club is concerned about the costs to society of the STARS Program. Please present a cost/benefit analysis of the STARS program in a way that we ordinary citizens can understand it. For example, what are the financial costs to society of the STARS program in terms of citizens denied health care, how many college educations would STARS cost, how many affordable housing units would STARS cost, how much unemployment would STARS cause, etc.? What are the clearly defined benefits to society of the STARS program (answer question #1 first)?

To reiterate, the West Hawaii Sierra Club believes that if your EIS can satisfactorily answer the forgoing three questions, the bulk of the opposition to STARS will evaporate. Conversely, if your EIS does not satisfactorily address these questions, then it is the West Hawaii Sierra Club's opinion that the people will continue to oppose the STARS program on Kauai.

Aloha,

Jay Hanson, Program Chair, Phone 808-322-7268 - Fax 808-322-7869
West Hawaii Sierra Club,
78-6622 Alii Drive,
Kailua-Kona, HI 93740

ENCLOSURE

Hawaii's Sierra Club - now over 4,000 strong!

EX4 (cont.)

October 10, 1991

Dear Editor,

Many individuals have not heard arguments concerning the proposed Strategic Defense Initiative (SDI or Star Wars) program in a way that is easy to understand. Debate presently rages concerning the wisdom of pursuing SDI, because SDI is still many billions of taxpayer's dollars, and several years away from actual deployment. Therefore, I will present currently fashionable arguments for showering SDI with money, and why those arguments are flawed.

PRO: The Soviet Union may accidentally launch an intercontinental ballistic missile (ICBM) at us and we would need our SDI anti-ballistic missile (ABM) to shoot down their ICBM.

CON: Dr. Sherman Frankel proposes a much better solution to the problem in an article titled "Stopping Accidents After They've Happened", which appeared in the Nov 1990, "The Bulletin of the Atomic Scientists."

Nuclear missiles have sophisticated electronic locks called "permissive action links" (PALs), and require special codes before the missiles can be launched. Unfortunately, once they are launched, there are presently no mechanisms in place to destroy errant nuclear missiles.

Dr. Frankel proposes a new system that would be able to destroy missiles after they have been launched, and would be similar to systems that are presently used on all commercial rockets. The principal innovation is that the new post-launch system would have a unique secret destruct number stored in each missile. Each missile's secret number would be changed frequently to guard against espionage. There would be one PAL to launch the missile and another PAL to destroy it.

Dr. Frankel's system would be far cheaper, quicker to implement, and much more reliable than the proposed SDI ABM system. Dr. Frankel is a professor of physics at the University of Pennsylvania in Philadelphia and is completing a book about post-launch control of nuclear weapons.

PRO: Saddam Hussein may get a nuclear weapon to destroy one of our cities and get even for Desert Storm. Thus, we would need SDI's ABM to shoot down Saddam's ICBM.

CON: Dr. Robert Bowman lectured in Hawaii during 1990 and made the following points concerning nuclear terrorism:

EX4 (cont.)

If the past is any guide to the future, nuclear weapons will indeed become more and more likely to fall into the hands of terrorists. However, even if crazy Saddam manages to steal a nuclear weapon, he still will not have ICBM technology. Moreover, if someone gave Saddam an ICBM to launch his weapon, why would Saddam risk his precious nuclear weapon on an untested ICBM? Perhaps, the single most important reason not to use an ICBM is that as soon as a missile trajectory originating from Iraq appeared on our radar screens, we would certainly retaliate.

Wouldn't Saddam be more likely to place his bomb in a boat and simply sail into any handy American seaport? Come to think of it, we have a pretty good selection to choose from right here in Hawaii. Saddam couldn't possibly miss, and no one would ever know where it came from. Instant glass...

In reality, we must stop the proliferation of nuclear materials and technologies in order to protect ourselves against nuclear terrorism.

PRO: We can stop worrying about nukes once we have SDI.

CON: Even SDI proponents no longer consider this a rational argument, because *there really is no defense against a nuclear weapon in the hands of a terrorist.*

EX4 (cont.)

PRO: America's National Security requires a healthy defense industry. Therefore, we need to develop SDI in order to keep defense contractors from going broke (a variation on this argument was actually made recently by NASA's Admiral Truly).

CON: There does need to be a residual capability in our defense industries. However, these companies should be developing beneficial products instead of just flushing taxpayer's money down their toilets. They should be working on technical solutions to the global warming problem, combating ozone depletion, developing hydrogen-powered autos, and perfecting solar-powered electricity production.

Today, America is the world's largest arms dealer. Today, President Bush is proposing new mega-billion dollar weapons systems to compete with last year's models of our own weapons. Today, the weapons priesthood is looting America on a scale that leaves the Savings and Loan Bandits green with envy.

In the new Sierra Club book "Hidden Dangers", authors Ehrlich and Birks state: "The net interest payments on the federal debt combined with government purchases of military goods and services - those two budget items by themselves - absorbed all of the federal income tax revenues collected from all American taxpayers, individuals, families, and corporations in 1986."

Once we reach the point where all of our taxes are only able to service the interest payments on the National Debt, how shall we ever recover?

Aloha,

Jay Hanson, Program Chair,
West Hawaii Sierra Club,
78-6622 Alii Drive,
Kailua-Kona, HI 96740

Phone 808-322-7268
Fax 808-322-7869

EX5

U

3/24 (9:22 p.m.)

My name is Robert Inouye and I am employed by the Pacific Missile Range Facility as the base Environmental engineer.

I am a resident of Kauai, living and working on this island. I am very concerned about our precious environment.

The draft environmental impact statement ^{for the Strategic Target System} adequately addresses the issues and concerns of the ~~Strategic Target System~~ ^{Program}. *I concern w/ the EIS that the Strategic Target System will not have a significant impact.*
We at the Pacific Missile Range Facility are the stewards of this land entrusted upon us and are very much aware of the environmental requirements.

Safety of personnel and the protection and preservation of the environment ^{are and of} ~~the base~~ are paramount.

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1-11

EX6

<EIS>

3/24/92

Presumably, the EIS can measure the safety factor of the proposed rocket launches on Kauai. And it can assess various environmental factors. But it cannot measure what Senator Reed refers to as the "immeasurable impact." In these allotted three minutes, I wish to speak directly to this immeasurable impact which, simply put, is the risk of impairing this island's very spirit -- that which is best personified by what we call the "Aloha Spirit."

Many years ago, before making Hawaii my home, I was a resident of California. I would not have been particularly concerned if the military had chosen Lompoc or Vandenburg as a test site for launching their STARS rockets ... or anywhere else, for that matter. I would not have cared. But, with Kauai, there is a difference. And, the difference is this:

On June 14, 1990, when the STARS launch program was in its initial planning phases at PMRF, the military held a public meeting in Kekaha. (Perhaps some of you here this evening recall that meeting). After listening to many of the testimonies presented, it became apparent to me that none touched on this very vital question of what Reed now refers to as the "immeasurable impact."

I had not really intended to speak that evening.

EX6 (cont.)

What I said was essentially this: This Island of Kauai is sacred land ... and it has been held "in trust" by God through eons of time. Some believe that Kauai may have been the original Garden of Eden. Certainly, it is not by physical beauty alone that Kauai is designated as the "Garden Island." It is the Aloha Spirit that such a name embodies.

We, the citizens of this sacred land today are not to violate that trust ... we have the responsibility to not allow it to be desecrated. The escalating military focus on this island does just that ... as such, it should not be tolerated. This Island of Kauai is not meant for rocket launches -- and other instruments of war -- no matter how "safe."

What do I mean when I say the "escalating military focus?" Unfortunately we, the public, tend to think in short-range terms. Let us not kid ourselves. The Pentagon in Washington has major long-range plans for the Barking Sands area. What you see now is a small, innocuous base. What you will see in the near future, is a major military installation.

Witness already the step-upped program for rocket launches, quietly mentioned in the EIS. Fifteen launches a year! Of course, not all are for the STARS system. Yet, who knows how many rocket launches are planned for the future, once the STARS program is firmly rooted here.

EX6 (cont.)

I am here to say, look beyond the STARS program. It represents just the initial phases of a much wider program. One in which we will all be vitally effected. And what then, about the "immeasurable impact" -- the Aloha Spirit?

Let me close, if I may, with a quote from a remarkable man who was born here in 1889, a Hawaiian by the name of David "Daddy" Bray. His definition for the Aloha Spirit can very well be a model for all of us who live on this sacred Island of Kauai. "The Aloha Spirit" is to come forward, to be in unity and harmony with your real self and mankind and the universe."

Thank you.

Richard Strong

EX7

COMMENTS ON THE DRAFT ENVIRONMENTAL IMPACT STATEMENT FOR THE STRATEGIC TARGET SYSTEM
John A Love--24 March, 1992

Good evening. My name is John Love. My wife and I have retired here because we love the environment. That environment includes all of the God given things in nature. It also includes freedom, peace, and prosperity. We urge the people of Kauai to actively support STARS.

My beliefs are based on experience and history. I graduated from MIT in '58 and spent the next 33 years designing space systems. I have held senior engineering and management positions on many spacecraft programs including 4 SDI systems.

Why SDI, GPALS, and STARS? We all wish for peace. Recent world changes tend to make us feel more secure. However, control of huge stockpiles of military equipment is uncertain. Dictatorships can spring up overnight if the promises of freedom fail. Many third world countries already have weapons of mass destruction and are hungry for more.

There are wars now, and history tells us there will be more. We don't know where or when. Who could have predicted two years ago that we would be in Desert Storm? And who could have predicted the stunning impact of technology on saving American lives and achieving swift victory?

There is no doubt that future aggressors will have missiles armed with terrible warheads. Although Kauai is an unlikely target, we have a duty to support freedom. SDI and GPALS would provide an impressive level of defense if deployed today. STARS is needed to develop technology to make those systems less expensive and even more effective.

This EIS is thorough and professional, the best I've read. Yet when you voice your concerns, the experts cannot give you absolute guarantees. We all know that death and taxes are the only two sure things in life.

I'd like to offer a different view based on history. The natural environments around Cape Canaveral and Vandenberg are different but no less fragile than here. They are doing just fine after 40 years and a thousand space launches, most huge compared to STARS.

The space launch safety record for the general public has been outstanding. There have been some tragic ground handling and test accidents like the Apollo 1 fire. None involved the public.

There were many launch failures, particularly in the early years when we were learning. We had the Challenger disaster but as far as I can determine no other person has even been injured as a result of a US space launch. Even with the terror of Challenger, the public was safe.

We are far more at risk on Kauai's highways than anything associated with STARS. I urge patriotic support for STARS. It can help guarantee the freedom which allows true peace, and it can help bring prosperity to our beloved island. Thank you.

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EX8

To: U.S. Army Strategic Defense Command
From: Averiet Soto
P.O. Box 809
Lawai, HI 96765

Subj: Written comments for the Strategic Target System Draft EIS

Two years ago Captain Tom McFeely then Commanding Officer of PMRF said that if STARS did not proceed, it would not affect the base at all. I did not agree with his assessment then nor do I agree with it now.

In the STARS EIS executive summary, under alternatives, you state that **"Under the no action alternative, PMRF and KTF would continue to perform its fleet training and other missile testing missions. Selection of the no action alternative would result in no significant impacts on Kauai."** As is evident tonight, all future missile launches will come under intense scrutiny. I don't think your opponents will stop with STARS. The fact is, all future missile programs that may want to use PMRF are in jeopardy.

I firmly believe that test and evaluation programs are a critical part of PMRF's future. If they go away, PMRF itself will be reduced to a level of no significance. The potential loss of jobs and all the effects thereof will have a tremendous socioeconomic impact on many westsiders. I consider this very significant and strongly urge you to explore the effects of the no action alternative further.

In June of 1990 at the Kekaha Neighborhood Center, many of the same people speaking tonight looked the military straight in the face and said "We need more information. We need an EIS. Others cited treaty violations. A few were truthful and said, "We don't care what you tell us, we won't believe you. We just don't want it." Many opposed to STARS don't understand it. Others simply choose not to understand it. They want to be heard but do not want to listen.

In 1991 some of these same people looked Senator Inouye straight in the face and said "Help us get an EIS". I wonder if Senator Inouye feels used now that he knows that even an EIS won't satisfy opponents. It was just a stall tactic. I hope every elected official has a representative here tonight to witness this occasion.

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EX8 (cont.)

Rick Reed says we should reject the program even if the EIS results in a finding of no significant impact because it would harm the Spirit of Kauai. In essence what he's saying is forget due process unless its findings are in our favor. If this program had started 10 years ago, what would Kauai be like today? How would it have affected the Spirit of Kauai. It seems to me that the increases in crime in the past ten years does more harm to the Spirit of Kauai than four launches a year. The worsened well-being of our children today verses ten years ago does more harm to the Spirit of Kauai than four launches a year. The increased traffic coming into Lihue in the past ten years does more harm than four launches per year. Once the STARS controversy winds down, I wonder whats next? Beware hunters, sugar companies, and anyone else who may not fit into the scheme of things to come.

Test and evaluation programs such as STARS can work at PMRF provided its done safely. This EIS has answered the technical issues surrounding it. Those who support this program know that safety must always come first. We raise our families here. This is our home. I know that those working at PMRF would never compromise safety; they would not stand for anything less than the highest possible standards. You would be the first to hear about it.

Let me quote words spoken by Kamehameha III nearly 150 years ago and is our state motto today.

UA MAU KE EA O KA AINA I KA PONO
that is
"THE LIFE OF THE LAND IS PRESERVED BY RIGHTEOUSNESS.

Words many in this room should take to heart!

Sincerely

Averiet Soto

EX9

3441 Aeo Street
Kalaheo, HI 96741
March 24, 1992

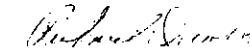
Deputy Commander
U. S. Army Strategic Defense Command
CCSD-EN-V (D. R. Gallien)
P. O. Box 1500
Huntsville, AL 35807-3801

Dear Randy,

Thank you for the opportunity to provide written comments to the Strategic Target System Draft Environmental Impact Statement. My comments are attached in a tabular format.

Also attached is a copy of my written testimony at the DEIS hearing on 3/24/92.

Sincerely yours,



Richard Irwin

EX9 (cont.)

Comments to the STARS DEIS submitted by R. Irwin

Page No.	Para.	Line	Fig. No.	Tbl No.	Comments
inside front cover	Abstract	2			Typo: Pacific Missile Test Facility should read: Pacific Missile Range Facility.
ES-1	2	2nd to last			The launch of 800 rockets and targets since 1962 seems low when compared to the numbers listed on page 2-1: from January 1991 - September 1991, 499 sounding rockets, 574 drones, and 22 target missiles - a total of 1095 for only a nine month period.
ES-2	Alternatives	last sent.			I feel the no action alternative would result in a significant impact given the base closing issues before the DOD. If the STARS programs fails to proceed, a negative message would be sent to potential T&E range users about PMRF. A loss of T&E customers would potentially result in loss of jobs and could ultimately lead to the base closure.
ES-3	Air Quality	last sent.			The practice of burning sugar cane fields causes PROLONGED periods of heavy smoke and ash during the cane harvesting season. This is the major polluter of Kauai's environment, and while the EIS does not directly address this issue, a RELATIVE comparison of projected concentrations of booster combustion products carbon monoxide and particulates should be made with a typical cane burning scenario. This comparison would be helpful in demonstrating what the potential effects of the booster combustion products might be. The DEIS uses the relative comparison method elsewhere in the document and I found it helpful.
ES-6	Land use				The effects of land use and public beach closures could be mitigated if the the majority of launches were scheduled for post-midnight to pre-dawn time frames.
2-10	3	7			Explain dome pop.
2-10	4	4			Explain propellant cross-linking

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EX9 (cont.)

Page No.	Para.	Line	Fig. No.	Tbl No.	Comments
2-11	2	3			Will all STARS second stage boosters be built after booster number B-810? If so, state it clearly.
2-11	2.1.1.3, 2nd para.	1			The first sentence is redundant since the first paragraph stated the same thing.
2-11	2.1.1.3, 2nd para.	3-4			Explain why payloads with pre-installed nitrogen tetroxide can be flown to PMRF when on the next page it is stated that a waiver would be needed from DOT to ship the oxidizer by air. (I assume the small quantity of the pre-installed nitrogen tetroxide is allowed by DOT).
2-12	5				What is the proposed action for liquid propellant shipment - oxidizer? It is clearly stated on page 2-34 and elsewhere in the document that delivery by landing craft (Option 3) is the proposed action. This should be stated clearly here.
2-15	2				A statement should be added to document that hydrazines and nitrogen tetroxide have been safely used by NASA in the Space Shuttle and handling and safety procedures are well-documented.
2-16	3				Can the missile track and accuracy be maintained if the radar beacon fails? If so, can downrange tracking be maintained to meet safety requirements? Are there redundant beacons on board?
2-25	2.1.2.4	3			Delete the word "which" (follows Control Room, and precedes is active throughout.)
2-32	2	1 & 2			Will the portable blast deflector be installed or not? If so, state it clearly.
2-40				2-3	Socioeconomics - No Action: In addition to reducing PMRF's viability as a National defense asset, my comments for page ES-2 are also applicable. The loss of jobs related to STARS at PMRF and possible loss of potential future T&E programs at PMRF would be a significant economic impact to the employees, residents, and businessmen of the Westside communities of Kauai.

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EX9 (cont.)

Page No.	Para.	Line	Fig. No.	Tbl No.	Comments
3-15	2				The practice of burning sugar cane fields causes PROLONGED periods of heavy smoke and ash during the cane harvesting season. What are the effects on air quality from burning cane? Do they exceed State air-quality standards? Again, the relative effects of STARS booster combustion products on air quality should be made with sugar cane burning.
3-44				3-6	Measurement location numbers from Fig. 3-12 should be added to this table.
4-7	5 (P/O Strategic Target System Emissions)				It should be made clear in this paragraph that the payload liquid propellents are only carried on some, not all STARS launches. Read alone, this paragraph implies liquid fuels on all launches.
4-10	2	3			If REEDM has been used at major launch sites for prediction, has the prediction been validated by observed results? How accurate has the REEDM model been in practice?
4-10	CO				How do the modeled predictions for CO concentrations compare with measured concentrations from sugar cane burning. A relative comparison here would be informative.
4-12	Particulate Matter				same comment as 4-10
4-17	CO ₂				same comment as 4-10
4-24	HCL Emissions				Won't the pre-launch fire suppression water spray on vegetation near the pad intensify the effects of HCL on the plants? It would seem logical that damp plant surfaces would readily absorb and concentrate the HCL vapor. The resulting hydrochloric acid would have a greater negative effect than the HCL vapor.

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EX9 (cont.)

Page No.	Para.	Line	Fig. No.	Tbl No.	Comments
4-36	1	1			I believe State and County laws (not-enforced) prevent the use of four-wheel drive vehicles on the beach, therefore the beach closure would have no (legal) effect on the vehicles and shouldn't be mentioned.
4-58	1	1			This sentence doesn't make sense. What's missing? Is the point being made that the hydrazine toxic vapor hazard is low due the relatively low evaporation rate?
4-74	4.12.2				My comments for pages ES-2 and 2-40 are applicable to the No Action Alternative.
6-6					add Hypergolic to list of Terms and Definitions.

18

EX9 (cont.)

Written comments for the record concerning the STARS DEIS

Thank you for the opportunity to offer testimony on the STARS Draft EIS.

My name is Richard Irwin and I am a retired Navy veteran employed at PMRF. I am also a veteran of the Cold war. A good part of my military career was spent in daily contact with Communist forces. I monitored their strategic missile weapons testing program; I was there as their multiple reentry vehicles came screaming through the skies, like fireballs from Hell. The simulated thermonuclear detonations of these test weapons was the most frightening thing I have ever witnessed. It was chilling to realize these events simulated the incineration of millions of people. Because of these experiences, I know that the GPALS and STARS programs are vital to the Nation's security.

I feel the DEIS in-adequately addresses the negative impact on the Nation's defense, if the No Action Alternative is followed. The STARS program is vital to the Nation's security. More so in this era of uncontrolled nuclear proliferation. A cold war victory did not dispel the nuclear genie. The Soviet Union is fragmented and bankrupt, but in its ashes still lies the seeds of Armageddon. Seeds that left untended, will surely scatter to even more threatening fields. The Chinese have advanced their technology with capable ICBM and SLBM delivery systems. We live in a world in which nearly every nation that wants nuclear weapons has them. Even designing a nuclear weapon, once the most closely guarded of secrets, is not a difficult task. What's classified today is how to build a good weapon, not how to build a weapon. While the Strategic Defense Initiative's GPALS program cannot defend against all methods of nuclear weapons delivery,

19

EX9 (cont.)

BALLISTIC MISSILES

it holds the best hope of rendering ~~it~~ useless. I therefore urge you to readdress and emphasize this issue in the No Action Alternative.

The No Action Alternative should consider the effect on the Kauai economy if PMRF is cut back or closed as a result of the lose of STARS and other T&E programs.

The vocal, anti-STARS, monied minority of ^{the} North shore have opposed the STARS program and the Nation's defense from day one without taking the time to explore all sides of the issue. Their stated goal was to ensure environmental safety by demanding an EIS. Now that they've got the EIS they say No Rockets regardless. The rockets have been on Kauai longer than most of them and with far less environmental damage. Some are even advocating disregard of the law with their contention that invisible feelings and spirits of Kauai will be affected. What is their real agenda? I feel these environmental dictators won't be satisfied until they've run everyone off the island that oppose their one-side views.

These environmentalists have a total disregard of their actions on the hard-working folks of the Westside. Thousands of Westside residents are directly or indirectly dependent upon PMRF for their financial well-being and lifestyle. Recent cost-cutting moves by the Department of Defense are forcing base closures and are now a very real threat to PMRF. The Base is under a justification review mandated by the Chief of Naval Operations. Myself and fellow employees at PMRF take this potential base closure threat very seriously. That is why the STARS program is viewed by most long-term civilian employees as the key to the Base's future. A safe and successful STARS program will undoubtedly attract other National test and evaluation programs (not necessarily missile-related) which

EX9 (cont.)

will keep PMRF and Kauai prosperous in the future. If this isn't keeping "Kauai Kauai" or "Hawaii Hawaii," then what is? If PMRF should close as a result of losing programs such as STARS, don't you think the impact, from loss of jobs, would be far greater upon the "invisible spirit and soul of Kauai" than that from a few short-duration missile launches?

PMRF may just be the tip of the iceberg for Hawaii. Recently we've seen the Commander, Third Fleet and his staff relocate to California. Cutbacks have been announced for the Pearl Harbor shipyard. Relocation of the Commander, Pacific Fleet and staff to California is under serious consideration. The majority of surface ships and submarines would also be relocated under some plans. Since the Kanehoe Bay Marine Corps can no longer train on Kahoolawe, are they the next to go? And what about the light infantry at Schofield Barracks without Hickham cargo aircraft for rapid deployment: will they also be relocated? We are talking about the potential loss of tens of thousands of jobs and hundreds of millions of payroll and indirect dollars to the Hawaiian economy.

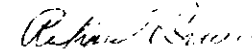
The members of the Kauai County Council feel the PMRF closure threat is real enough to have recently expressed their unanimous support of PMRF to Senator Inouye in a letter asking his support, to keep the base open. The Mayor, of course, has sided with her North shore friends to continue with her long standing agenda dating from her County Council days: and that is to close the base.

I ask those that oppose STARS to keep an open mind and visit their neighbors at PMRF to get their viewpoint and the rest of the story. Talk to engineers and Union technicians and operators who will actually launch and track the STARS missile and ensure the public and environments' safety. For the majority of these people,

EX9 (cont.)

this launch will literally be in their backyard: just miles from their homes and families. Yet, I predict you will find strong support for the STARS program because these professionals have years of experience with missile safety and they know THE STARS SYSTEM IS SAFE FOR THE PUBLIC AND THE ENVIRONMENT.

Yours truly,



Richard Irwin

3441 Aeo St.

Kalaheo, HI 96741

EX10

League of Women Voters of Kaua'i County

Testimony to the U.S. Army Strategic Defense Command
Lihu'e, Kaua'i, Hawai'i, March 24, 1992

The League of Women Voters supports the preservation of the physical, chemical and biological integrity of the ecosystem, and supports maximum protection of public health and the environment.

The League believes that:

-- the federal government should provide leadership in protection and management of natural resources;

-- that the government--the military, in this case--has special responsibility for the lands and resources entrusted to it; and

-- that there must be special consideration for the protection of areas of critical environmental concern, historical importance and aesthetic value.

The U.S. military has quite recently admitted to degrading environment and health beyond necessity and reason in areas across the United States, and you have vowed to improve. You have acknowledged certain important impacts and risks, and hopefully heard the documented others, of the proposed Barking Sands missile launchings and resulting threats to local health, safety, archeology, environment and economy.

If you were a commercial or subsistence fisher of Kaua'i, or surviving through tourism, would you feel more secure with experimentally-remodeled Polaris missiles launched here?

If you were worried about missile attacks, would you be happy to be a target due to SDI activity here?

If the military is developing NUCLEAR-powered rockets and NUCLEAR satellites to take SDI weapons into space, might Barking Sands be involved?

Show us that you do defend --~~before~~ the damage is done: do not further endanger Barking Sands.

Non Partisan Non Profit
Promoting Political Responsibility
Open to all adults over 18 years



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EX10 (cont.)

S 1305 Kennedy - Health Plan
S 1340 Helms
S 1343 Boyd - America Happy Days
S 1365 Rostenkowski - Economic Growth Act

Vol. 138

WASHINGTON, FRIDAY, FEBRUARY 7, 1992

No. 15

Congressional Record



United States
of America

PROCEEDINGS AND DEBATES OF THE 102nd CONGRESS, SECOND SESSION

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1992

February 7, 1992

S 1341

PRESIDENT BUSH'S FISCAL YEAR 1993 BUDGET PROPOSALS

Mr. DECONCINI. Mr. President, approximately 10 days ago the President outlined his proposals for economic recovery in his long-awaited and rightly touted State of the Union Message. Now that the dust has settled a bit and I have had time to review the details of the budget the President submitted to Congress the following day, I would like to take a few minutes of the Senate's time to express my reactions to both.

Mr. President, there are many items in the President's proposals that I intend to support, but the President's plan, as a whole, lacks the vision, the sense of urgency and the boldness that the American public was expecting in this time of recession. I believe the President has been validated by election polls. Americans who are out of work coupled with the ranks of the unemployed were not reassured by the President's words. Their confidence in the economy was not restored. Perhaps the expectations raised in the pre-campaign warm-up orchestrated by the administration to the State of the Union of the budget address could never be met. Rather than throwing a confidence pass, the President settled for short yardage. Mr. President, that is not the type of decisive action we need to win the economic battle and the American public appears to recognize that.

The President began his address by reviewing America's great success in the Gulf War. I think we can all agree that it was a monumental victory and a defining moment of the Bush Presidency. We all give the President great comments and acclamations for that, but you cannot get out of a recession lying just on that product. It was precisely because President Bush effectively used the power of his office to build an international and domestic coalition of support that his efforts were such a resounding success. Rather than pursuing the same strategy on the domestic front the President threw down a gauntlet and demanded that Congress pass his package and deliver it to his desk by March. That tactic was election-year politics, not a constructive strategy for winning the war on the domestic front.

President Bush was a member of Congress. He knows all too well how the process works. It took President Bush 53 weeks to reconvene the Senate, but wants Congress to pass his comprehensive economic recovery package in 52 days—nothing more, nothing less. There is something wrong with this picture. While Congress is a popular target for attack, it is part of the democratic process. It has to be worked with, and the President knows that better than anybody.

Mr. President, the Democrats are not his enemy. We are here to work for the better of the country, just as he is. And it is time that we get together and we show the same solidarity as we did against Saddam Hussein. I challenge the President to do that. It serves no useful purpose to inflame a unnecessary partisan bicker when there is a serious economic war to be won. The economic future of our country is at stake.

Mr. President, the Democrats are not the enemy. The falling economy—the enemy. What I wish the President had done is to forge the same kind of bipartisan coalition on the domestic front that he put together on the international front to fight and defeat Saddam Hussein. Unfortunately, he did not—and the Saudi peninsula are now flying from both sides of the battle zone along Pennsylvania Avenue. Mr. President, this battle is unnecessary. It is counterproductive, and it must stop. Before we can coalesce around any bipartisan economic plan, I believe we must face up to two facts.

First, I believe that there must be an agreement between the administration and Congress to tear down the budget summit prohibitions—the so-called firewalls—which prevent us from using savings in our defense and foreign aid accounts to fund domestic programs.

I introduced a resolution to do just that last November. While I strongly support removing the budget firewalls, I want to make it perfectly clear that I do not favor increasing overall Government expenditures.

Fiscal responsibility demands that the cap on overall expenditures, as mandated in the budget summit agreement, remain firmly in place. Second, I believe that a consensus has to be reached to make additional cuts in defense beyond those proposed by the President.

Absent agreement on these two issues, I think it will be extremely difficult to put partisan bickering aside and fashion a truly bipartisan package. Even with agreement on these two issues, there will be strong disagreements and heated debates on individual elements of the President's package.

That should not be viewed as something sinister or cynical, that is what representative Government is all about.

All sides should be fully engaged in the debate. No side can expect to get everything it wants.

And despite the charged rhetoric that will surely be part of the debate, I still hope and believe we can ultimately work together and create an economic recovery package that will be good for the country and put Americans back to work.

Having said that, I would like to address some of the elements that I believe should be incorporated in the final package.

First, I believe that at least half of any additional savings we achieve in the defense and foreign aid areas must be targeted toward deficit reduction. Deficits are our long-term enemy. If we lose sight of our mounting debt in our rush to achieve short-term economic gains, we will have won a battle but lost the war.

I am convinced that we can make additional defense and foreign aid cuts, beyond those proposed by the President, of up to \$30 billion dollars.

I think that can be done without sacrificing our security interests and without unduly damaging our military force structure.

I believe we can safely reduce our forces in Europe, Korea, Japan and elsewhere overseas by an additional 100,000 troops.

In addition to the programs already slated for termination, I would add, among others, an immediate cancellation of the B-2 bomber, which would save an additional \$2.7 billion this year alone.

I would terminate development of the Air Force's next generation fighter, the F-27, for a saving of \$2.2 billion, and I would stop production of the nuclear-powered aircraft carrier for an additional \$800 million in savings.

I would cut S&D by more than \$2.5 billion, and focus its attention on early development of theater missile defenses.

In our foreign aid accounts, I believe we can drastically reduce our foreign military sales and economic support expenditures to better reflect the new world order.

I would exclude Israel and Egypt from these cuts. On the domestic side, I would halt funding for the superconducting super collider for a savings of \$50 million, not because this program may not have merit, but because we have more pressing domestic needs.

I would cancel the space station—a project whose mission has been changed nine times—for savings of \$2.25 billion.

Why are we funding a project in search of a mission? I cannot in good conscience support these big ticket items while one in ten Americans has to resort to food stamps for survival, while millions of Americans are out of work and millions more are turning to the streets for their lodging.

If ever there were a Heartbreak Hotel, this is it. In addition to deficit reduction, savings should be targeted to highly effective domestic programs such as WIC, Head Start, drug prevention, treatment and interdiction, education, job training and health care.

There are human investments which will pay long-term dividends.

S 1342

February 7, 1992

To create jobs quickly, I think we should consider accelerating federal construction projects such as BIA schools, national park projects, low income housing, and Federal court-houses—projects which have been already been approved but lack funding.

These projects could begin almost immediately and move people from the unemployment lines to the project sites.

On the tax side, there are numerous incentives with which I agree in concept, although I am not necessarily wedded to the specifics of the President's proposals. These initiatives include expansion of the IRA, penalty free withdrawal from IRA accounts for medical, educational needs or for the purchase of a first home, the \$5,000 credit for first-time home buyers and the R&D tax credit.

I have long supported a reduction in the capital gains tax and am pleased that the President incorporated a proposal in his budget.

Again, I support the concept, not necessarily the specifics of the Bush proposal. There is one tax proposal which I find irresponsible—the executive action taken on wage withholding.

Not only is it a bad idea, it will cost \$1.4 billion.

Changing the tax tables to put an additional \$5 or \$10 in individual paychecks will not encourage people to go out and buy a car—a meal at McDonald's perhaps—but not a car.

This action will not encourage investment. Bus taxpayers could well end up with an unexpected tax liability next April 15 rather than a refund.

The President willing to take the angry calls from my constituents next April 15 when they have to go out and borrow money to pay their taxes? Surely there is a better way to get money into consumers' pockets.

Perhaps the most disappointing aspect of the President's budget is the blatant dishonesty of its financing.

The financing proposals are smoke and mirrors and gimmickry at its worst. It's as if the ghost of David Stockman is haunting the halls of OMB. The budget has \$60 billion worth of this trickery over 5 years.

Perhaps the worst such trickery occurs by changing accounting rules to make it look like there are savings where none actually exist.

Everybody loses when we cook the books with illusory savings that add to the deficit.

The American people are fed up with this type of behavior. It has to stop, and it has to stop now.

In conclusion, Mr. President, I look forward to the debate on the various spending and tax proposals that are now on the table.

I hope we can discuss our honest differences without rancor and discord.

And I hope we can develop the type of package the American people need and demand. One that will pull this Nation out of the recession—that will not further burden future generations with additional debt—and that will get this country on the road to greatness once again.

Reordering our Nation's priorities to meet the needs of today's world is a defining moment in our history. It poses enormous challenges—challenges we must win. No less that the future of our country is at stake.

INFANT MORTALITY Mr. DECONCINI. Mr. President, Americans nationwide will open their newspapers this morning and read some very good news. The Center for Disease Control announced yesterday that the United States has recorded its lowest infant mortality ever. I do not want to rain on anyone's parade, but there is really more bad news in the details than good news in the headlines, if you read that story and read these statistics.

Mr. President, this is not the case. We need to bolster up the WIC Program and other programs that will indeed provide preventative care so that babies are born healthy. The reason there is less mortality now is that we are able to keep very sick children alive. That is very important. But, obviously, we need to do more.

The WIC Program, indeed, supports the good health of women, infants and children, and we should put more into it.

Mr. President, the latest available international figures show that America is falling behind the rest of the developed world and worse yet, black infant mortality in the United States is now twice the national average—nearly two out of every hundred black babies die. Put in perspective, black infants born in the United States have about the same chance of surviving their first year of life as babies in many undeveloped Third World nations, including Mexico and Malaysia.

Mr. President, we have made considerable progress in reducing infant mortality rates this century. But progress has slowed in the past decade.

More importantly, the little progress we have made has been in keeping sick babies alive, not in ensuring a birth of a healthy baby. While I salute the miracle workers in our children's hospitals and intensive care units, we must remember that most children in America do not have access to this high-tech health care. Even if they do, many of these infants will suffer their entire lives. In short, we are treating some of the right people at the wrong time, and not enough people at the right time.

It is no secret that prenatal nutrition and health care costs less than one thousand times less than the life-time cost of providing acute care treatment. The Special Supplemental Food Program for Women, Infants and Children, commonly referred to as WIC, has been shown to be among the most cost-effective approaches to reducing infant mortality. This program saves two to three times what it costs.

Mr. President, earlier this week I introduced legislation, S. 2182, to immediately create a WIC entitlement in order to serve the over 4 million eligible women, infants and children who are presently turned away. WIC is the very answer to the reduction of low birthweight and premature births. I strongly urge my colleagues to consider cosponsorship of this vital legislation as they search for ways to further reduce the embarrassingly high infant mortality rate.

Mr. President, I ask unanimous consent that an Associated Press article on U.S. infant mortality, which appeared in this morning's Washington Post be printed into the Record. There being no objection, the material was ordered to be printed in the Record, as follows:

February 7, 1992 (From the Washington Post, Feb. 7, 1992)

U.S. INFANT MORTALITY FALLS TO LOWEST LEVEL ATLAS, Feb. 6—The United States recorded its lowest infant mortality rate ever, as black babies still die at more than twice the rate of whites, and the national trails much of the developed world, federal researchers said today.

The rate of 1991, the most recent year for which statistics are available, was 8.8 deaths by age 1 for every 1,000 live births, the federal Center for Disease Control said. That surpasses the record of 10.0 set the previous year.

Japan has the world's lowest infant mortality rate, 5.0 for 1987, the last year for which complete international statistics have been compiled, Sweden was second at 5.7. The United States was year was 24th at 10.1, just behind New Zealand and just ahead of Israel.

"Our international ranking has slipped," said Marian F. MacDorman of the CDC's National Center for Health Statistics. "In 1980, we were ranked 20th in the world, and now we're 24th."

The CDC said increased use of prenatal care would have the greatest impact on infant deaths from every cause other than birth defects.

"The simple reason infant mortality rates have gone down is that medical technology has gotten better and better," said Joseph C. Aiken, a senior health associate with the Children's Defense Fund, a nonprofit children's advocacy group.

"We have done absolutely nothing to make sure pregnant women can get prenatal care," he said. "We are relying on the miracle of modern technology to save very sick babies, while failing to provide up-front preventive care to make sure more babies are born healthy."

For 1988, the black infant mortality rate in the United States was 11.6, compared with 5.1 for whites. The leading cause of death for white infants was birth defects.

1-20

February 7, 1992

CONGRESSIONAL RECORD — SENATE

S 1345

1992. That was \$80 billion higher than the administration wanted it at the start of the negotiations. It was not nearly enough, of course, to reverse the damage caused by the cuts between 1981 and 1990, but it represented real growth of \$40 billion.

Mr. President, Napoleon said that "men should be firm in heart and purpose, or they should have nothing to do with war and government." So, Mr. President, I have been firm in heart and purpose. What I was saying at the summit, I am still saying, namely, that this country has an investment deficit, not just a Federal funds deficit, not just a trade deficit, but also an investment deficit, an infrastructure deficit.

Now, let us go back to the chart. The green line that goes up on the chart is the baseline, as compiled by the Congressional Budget Office. For fiscal year 1993, the baseline for domestic discretionary rises to \$211.3 billion. That is how much it rises because of inflation. In other words, we need \$211.3 billion just to stay even with last year, just to keep up with inflation over last year. But the administration has requested only \$202.9 billion, a cut of \$8.4 billion below inflation.

Now, that is this year—now. We have not run our budget resolution before this Senate yet. It has not been reported out of the Budget Committee. We have not started the appropriations bills yet. We have not started the allocations process. But we can see that we are going to have a tough time, because we will not even have the budget authority that we had last year for domestic discretionary if we follow the administration's budget.

For fiscal year 1994, the baseline for domestic discretionary is \$217 billion; yet, the administration's request is \$203.9 billion, a cut of \$13.5 billion below inflation. For fiscal year 1995, the baseline is \$227.1 billion for domestic discretionary—just keeping up with inflation. But the President drops back to \$202.9 billion, which is \$24.2 billion below inflation.

I do not know how many Senators have operated a cash register. I have had to do that, and a good many Senators here have had that experience. And we all know that it does not pay to come up short at the end of the day.

But look at this chart. The American people are going to come up short if the President's recommendations are followed. The horizontal line is the freeze line. That is the line showing the President's requests. As one can see, the farther the line goes, the greater the shortfall to domestic discretionary spending under inflation.

In total, then, for the next 3 fiscal years, the administration is requesting total cuts of \$46.1 billion in budget authority below inflation for domestic discretionary—for programs that mean so much to you and your children and America's future. I have already read the litany, a partial litany. I will not

read it again. But it is America's bread and butter.

Now, if we look at the chart which shows the budget impact of the administration's proposed defense savings on a year-by-year basis, we see that the administration intends to impose \$6.6 billion in budget authority rescissions for fiscal year 1992. As best we know at this point, these proposed rescissions will probably be cuts of congressional priorities, and Congress may or may not agree to any or all of them. For fiscal year 1993, the proposed budget authority defense cut is \$7.9 billion; for 1994 it is \$8 billion, and for 1995 it is \$8.4 billion.

Therefore, if we total up the administration's proposed defense cuts for fiscal year 1992 through fiscal year 1995, that total comes to \$30.9 billion. That is \$15.2 billion short of the administration's proposed domestic discretionary cuts of \$46.1 billion, for fiscal years 1993-1995.

This means, Mr. President, that if we agree to the administration's budget authority defense cuts for fiscal years 1992 through 1995—I include 1992 because, as I say, the President has certain rescissions in his budget—if we agree to the administration's budget authority in defense cuts for fiscal years 1992 through 1995, and if we were to apply all of those defense cuts—there are a lot of grandiose ideas around here about how we ought to spend all of those defense savings, that pot of gold out there at the end of the rainbow, there are lots of plans—if we agree to the administration's budget authority for defense cuts for fiscal years 1992 through 1995, and if we were to apply every single dollar of those defense cuts to domestic discretionary, we would still suffer real cuts totaling \$15.2 billion in budget authority for domestic discretionary over the 1993-1995 period.

So, it is plain that there is not enough money cuts in defense spending over that period to cover the shortfall in domestic discretionary, below inflation—it falls short by \$15.2 billion. For that 5-year period, the Administration cuts outlays by a total of \$106.9 billion. Now, can anyone wonder why I am saying, why I am remaining firm of heart and purpose, in saying that the peace dividend should be put into domestic discretionary initiatives? Can anyone wonder why? Can anyone wonder why, when we see that, in that 5-year period, 1993 through 1997, the domestic discretionary budget authority needed to keep up with inflation amounts to \$122.6 billion more than the President is recommending?

I do not believe that the President really knows that. This President who has so often spoken of a "thousand points of light," who has so often spoken of a kinder, gentler Nation, I do not believe that the President is aware of the figures on that chart

document. Here on the desk is the budget document. I can scarcely lift it with one hand—this is the budget document. It shows the domestic discretionary cuts from 1993 through 1995. It does not show the administration's budget authority and outlay requests for domestic discretionary spending for fiscal years 1996 and 1997. We have heard the tune, "The Wreck of the Old 97." Well, take a look at this wreck!

For the fiscal years 1996 and 1997, we were able to get these figures from the Office of Management and Budget only yesterday. They are not in that budget document. This chart shows the administration's budget authority and outlay requests for domestic discretionary for fiscal years 1993 through 1997 compared to CBO's baseline for each of those years. The "difference" column at the bottom of the chart shows the year-by-year budget authority and outlay cuts below inflation that are proposed by the administration.

In other words, the administration is saying that in FY1993, domestic discretionary budget authority, based on the President's request, comes up \$8.4 billion short; FY1994, \$13.5 billion; FY1995, \$24.2 billion.

Now, as I say, we get into the figures that are not in this budget document: FY1996, \$36.1 billion; FY1997, \$40.4 billion—short!

Friends, Senators, Countrymen, lend me your ears! In total, the President's budget would cut domestic discretionary budget authority by a total of \$122.6 billion over this period, fiscal years 1993 through 1997, below inflation.

I do not know how many have read Dante's "Inferno" lately, but those who remember will recall that the first circle in hell was Limbo. That is where people went who neglected and were indifferent to their religious duties—Limbo. So we can see that that domestic discretionary line, based on the administration's request, is headed for Limbo—the first circle in the economic Sheol; the first circle of Hell.

For that 5-year period, the Administration cuts outlays by a total of \$106.9 billion. Now, can anyone wonder why I am saying, why I am remaining firm of heart and purpose, in saying that the peace dividend should be put into domestic discretionary initiatives? Can anyone wonder why? Can anyone wonder why, when we see that, in that 5-year period, 1993 through 1997, the domestic discretionary budget authority needed to keep up with inflation amounts to \$122.6 billion more than the President is recommending?

I do not believe that the President really knows that. This President who has so often spoken of a "thousand points of light," who has so often spoken of a kinder, gentler Nation, I do not believe that the President is aware of the figures on that chart

S 1346

CONGRESSIONAL RECORD — SENATE

February 7, 1992

which are representative of his administration's recommendations. I do not believe he is aware of it.

And I do not believe that Senators are aware of it, but they are going to be aware of it. They are going to be aware of it, because I am going to say it, over and over and over again. It shall not stand!

I do not know how far I will get. I may get run over. But Senators are going to know what they are doing, and, in my feeble way, the American people are going to know what we are talking about here.

We have all of these glowing reports about how much of a peace dividend is out there. And there are many who take the view that we must not spend defense cuts on domestic discretionary, and that we must not cut defense below \$50 billion over the next 5 years. The President is recommending a \$50 billion cut in defense over a period of 5 years. On the other hand, look at what he is recommending as a cut in domestic discretionary: \$122 billion over 5 years.

Looking back at the chart showing proposed defense cuts, we see that the administration is proposing cuts totaling \$50 billion in budget authority and only \$27.4 billion in outlays for defense through 1997. If we were to cut defense only to the level proposed by the administration, and if we were to apply every dollar of those savings to domestic discretionary, we would still fall \$72.3 billion short in budget authority and \$79.8 billion in outlays below inflation for domestic discretionary over the 5-year period.

Mr. President, we should not accept such an evaporation. As an old meat cutter, I know what evaporation means. We should not accept such an evaporation of this Nation's vital domestic needs.

For too long, we have chosen to ignore our own economic and human needs. We have chosen to ignore the needs of our children, and we have chosen to ignore the needs of our grandchildren, and their children. We have chosen to ignore the needs of my country, your country, our children's country. We should know that it is through domestic discretionary appropriations that we make the investments in our physical and human resources that so strongly influence our long-term economic and productivity growth.

We seem to be the only major industrialized nation in the world that does not understand the connection between public investment and productivity growth. Our competitors certainly understand it, because, while we have been ignoring our public investment needs in this country, they have been paying attention to the investment needs in their countries. Our competitors have been investing, and, as a result, they have been enjoying higher rates of productivity growth.

The chart to my immediate left is an interesting one. Look at the nonde-

fense public investment in the United States and our rate of productivity growth versus the public investment and productivity growth of other nations between 1973 and 1985. Over this 12-year period, starting on the viewer's left, we see that Japan invested 5.1 percent of its gross domestic product (GDP) and increased productivity by 3 percent. Italy invested 2.7 percent of GDP and increased its productivity by 1.5 percent. The then Federal Republic of Germany invested 2.5 percent and increased its productivity 2.4 percent. France invested 2 percent and increased its productivity 2.3 percent. The United Kingdom invested 1.8 percent and increased its productivity 1.9 percent. Canada, our neighbor to the north, invested 1.5 percent and increased its productivity 1.5 percent. The British and the French have worked together to excavate a tunnel beneath the channel to bring their two countries and their cities together.

What do we have to show for our high-tech infrastructure that is exciting?

Therefore, we can clearly see the relationship between nondefense public investment and productivity growth. Increased public investment clearly translates into increased productivity and increased productivity translates into increased economic growth and more jobs, a higher standard of living, the ability to better compete internationally, and enhanced national security.

So, it just stands to reason—in law, we talk about the reasonable man—it just stands to reason that this should be the case. It is just plain common sense. Any boy on any farm in this country knows that.

In the late 1920's, I was a boy living on a little hillside farm in Mercer County, West Virginia. On that farm—I can see it now, two steep hills coming down in the shape of a V—at the bottom of the V we lived in a four-room frame house with no running water, no electricity. We did not have a radio, and had never even heard of television, and we lived 3.1 miles from what we called the "hard road." We attempted to eke out a bare existence on that hillside farm. We had one old horse named George, a couple of cows, a few chickens, and some guinea pigs, and then my moon would take her 32 Smith & Wesson and shoot a ground hog.

Life was hard, but I learned on that little old farm that the more fertilizer, the bigger the tomatoes and the taller the rhubarb. My wife, with whom I have lived now for almost 58 years, knows that if she puts fertilizer around her rosebushes, they will grow taller and the roses will be rozier and more beautiful; the fragrances will be more lasting; the petals will be softer, and the colors will be brighter. The more the fertilizer, the greater the return.

And so it is the same when we invest in our country—the more we invest, the greater the return on the investment.

This Nation cannot expect to be able to compete in the coming decades if we fall further and further behind our public investments versus other nations. If our competitors outinvest us, they will outperform us, and if they outperform us, we will be driven out of business.

Look at what the other industrialized countries are doing to connect cities that are close to each other. The Japanese have their Bullet train that speeds along at the rate of 120 miles per hour. The French have their TGV, their Train de Grande Vitesse, which has been tested at 170 miles per hour. The Germans have tested their high-speed train at 140 miles an hour. The British and the French have worked together to excavate a tunnel beneath the channel to bring their two countries and their cities together.

What do we have to show for our high-tech infrastructure that is exciting?

We do not have to reinvent the wheel, but we at least have to have as good a wheel as the other fellows.

The Interstate Highway System, which is comprised of 44,849 miles of concrete and asphalt ribbon, was a good example of how public investment stimulated private investment. The Interstate Highway System encouraged private investment, private productivity, and private employment growth.

I was in the House of Representatives when President Eisenhower and the Congress worked together to begin this magnificent interstate system which spreads from coast to coast and from the northern border to the southern gulf. I have supported the funding over the years.

The 20th century has been a century of military warfare. Mr. President, the 21st century will be a century of economic warfare among the great powers, and we are already losing. Chancellor Kohl says that the decade of the 1990's will be the decade of the Europeans and not the Japanese. Did Senators hear what I said? President Kohl said the 1990's would be the decade of the Europeans and not the Japanese. He did not even mention us. Apparently, the United States will not even be a major player. It remains to be seen whether or not we will be able to even get onto the ball field.

We have gone from an era of little competition into an era of head-to-head, eyeball-to-eyeball competition in which the best industries will be microelectronics, biotechnology, telecommunications, civil aviation, robotics, machine tools, computers and software, and the new material science industries, and these are brain power—brain power industries. If we are ready going to play a global competitive game, we are going to have to lead, or let us at least be strong in these industries.

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February 7, 1992

CONGRESSIONAL RECORD — SENATE

S 1317

Benjamin Franklin said, "If a man empties his purse into his head, no one can take it away from him. An investment in knowledge always pays the best interest."

We are talking about brain power. This is another reason why we need to increase the quality of education in this country so that the students of the future, the leaders of the future, in our industries and our workshops, in our farms, in the mines, in the offices, and in the factories will be better prepared for the challenges they will face. The brain power will be there that is necessary to lead in these brain power industries.

The budget decisions we have made over the last decade represent a formula for economic failure.

What happens to a business that does not adequately invest in new capital equipment and the education and training of its work force? Eventually, that business falls further and further behind its competitors and eventually has to close doors.

That is the path that we are on as a nation. Mr. President, it is the path that leads to second-rate status in the international marketplace and a declining standard of living for our people.

But we have a chance now to reverse that trend. The demise of the Soviet Union has given us a window of opportunity that we must not squander.

Mr. President, the world has changed dramatically since the budget summit. The cartographers of this country have been kept busy making new maps. They have been kept busier than a one-armed paperhanger with the itch. Every day there is a new map because there is a new country or another country has slipped away from behind the Iron Curtain.

As a boy back there in that two-room schoolhouse in Mercer County, West Virginia, I studied geography. I was talking with my wife just the other evening. What was that geography that we studied? I said to her, "I believe it was Fry's geography. That was the geography I studied. That was the geography she studied."

Now they have a new math these days. I was taught the old math. I do not know anything about the new math. But the old math is still good. The new geography is not still good. The new geography and the new maps have taken over. We would not recognize the old maps anymore.

The Soviet Union has dissolved. Plato and Ptolemy wrote about the legendary island of Atlantis, located somewhere to the west of the Pillars of Hercules. Because of an earthquake, we are told by the ancient writers, it sank beneath the ocean waves. It simply disappeared. And the same thing can be said with regard to the Soviet empire.

The President has recognized that fact and has recommended Department of Defense cuts of some \$50 billion in budget authority over the next

6 years. But ask your wife, ask your husband, ask your neighbor, ask your constituent on the telephone, and you will find that there is a growing consensus that the military can safely be cut significantly more than that modest cut in 1993 of \$7.9 billion in budget authority and \$5.2 billion in outlays proposed by the administration.

Those are just window-dressing cuts. They avoid the kind of systematic review that a 5-year projected \$1.4 trillion expenditure crisis over the next 50 years ago I became a meat cutter in a coal mining community company store. Some things change. Some things never change. I into the meat market today and cut that same cooked salami, the same hard salami, the same old salami.

The proposed reductions of a few strategic systems and a bit of force structure are altogether too conservative, and amount to just a slice off the same old salami.

The changed circumstances require a top-to-bottom and bottom-to-top review of the security needs of this country, and a refashioning of the appropriate roles, missions, and forces that reflect our new circumstances. The lack of any credible threat from the vanished Soviet empire requires a thorough reexamination of the presence of U.S. forces in the European theater and elsewhere.

Further reductions in SDI, in bombers, and in other strategic systems are certainly in order.

In addition, recent reports of tremendous waste and bloated inventories in the Department of Defense demand immediate attention.

Mr. President, I do not know how many other Senators watched, but I am sure that millions of Americans watched Lesley Stahl's recent interview on "60 Minutes" which focused attention on this problem of bloated inventories of defense stocks. Senator Levin has been leading the way in calling attention to these massive warehouses across this country that are filled with bloated inventories of military stocks.

The setting on "60 Minutes" depicted Ms. Stahl introducing her subject against the background of a gigantic complex of Government warehouses. Another scene depicted an inventory of thousands of vehicle tires, piled high, and exposed to the elements.

Well, that particular part of the show did not overly impress me. But a third scene depicted a warehouse of dusty crates full of military inventories, and she reached over and gingerly touched one of those dusty boxes and found the dust on her finger. She said, "How long has this been here? When was this box put here?" They looked on the box and saw that the crate was filled in 1952. That is the year that I first ran for the House of Representatives.

There sat those boxes. They had been sitting there. They had apparently been untouched since the 1950's. Imagine that.

And then we hear that the defense budget cannot be cut more than \$50 billion over the next 5 years. How ridiculous. How long will the American people stand still for such a ridiculousity?

Lesley Stahl on "60 Minutes" commented as follows. Here is what she said.

"The world's biggest shopping spree, that's what the Pentagon has been on almost since the day they opened the building. One hundred billion dollars' worth of everything from nuts and bolts to sliced ham and—believe it or not—M&M's, all gathering dust in military depots, \$100 billion worth. That is a lot of money. That is a \$100 bill for every minute since Jesus Christ was born."

I will go back to what she said.

The General Accounting Office says \$35 billion—billion—of that \$100 billion is stuff that's of little use to anybody."

That is the General Accounting Office. That is an arm of the Congress. That is the watchdog arm of the Congress. "In the next 10 years," said Lesley Stahl, "they'll spend another \$35 billion just to store the stuff."

What a comedy of errors. Can you believe it? This is an old hawk talking. I spell my name B-Y-R-D, but I have been a hawk a good many years, during my service in the Congress.

It just does not make sense, but it sure adds up. She said over \$1 billion. Back to what she said: "That may not sound like a lot to a general, but to a teacher that's about \$10 billion more than the entire budget of the Department of Education. To the Governor of Texas, that's twice her annual budget."

Mr. President, waste such as this ought not to be tolerated. I should say, "must not" be tolerated. But we have said "must not" for so long, and it never seems to happen. But it ought not to be tolerated. I am sure that many more dollars could be found if somebody took a hard look at the elephantine military budget.

Senator Levin says that not only is there that \$100 billion in the military storage depots, but he says there is also another \$100 billion in supplies at the various bases and military sites around the world. He says there is an additional \$50 billion at the locations of the defense contractors. I sat right up there in that chair just the other day and heard him say it. My ears did not deceive me.

The defense elephant of the 1980's was force fed—and I helped to feed it—with trillions of dollars, and transformed into a giant, woolly mammoth by the 1990's. And today, it is eating us out of house and home. Now that the time has come for a massive diet pro-

S 1348

CONGRESSIONAL RECORD — SENATE

February 7, 1992

gram, the administration has become so fond of this woolly, big beast that it will only agree to give it a haircut and a shave.

Well, all of us are sensitive to the particular problems created by the coming reductions in military personnel. Senator Now is being addressing the Senate for several days on that subject. He has been making what I think are worthwhile suggestions, and certainly worthy of consideration. Coming from him, they demand our attention. We need to formulate a plan for the men and women, he says—and I agree—who will be retiring from our active forces, as well as the civilians who will be affected by cuts in the military budget. Comprehensive programs to ease their transition into the civilian work force are needed.

But, Mr. President, the Defense Department is not a job corps. The Defense Department is not an employment agency. Undoubtedly, there are going to be some men and women losing their jobs. But that is nothing new to this Senator from West Virginia.

When I came to the Congress of the United States, there were 125,000 coal miners in West Virginia, where my childhood worked during the pick-and-shovel days in the mines; 125,000. Today in West Virginia, there are few more than 20,000 coal miners. The progress of machines came and wiped away the jobs. We have lost population because of it. So I know something about the loss of jobs.

Yet, we have to face the inevitable fact that there is precious little need in the real world today for the size and type of military establishment that we have maintained during the cold war years.

Plutarch said, "It is a true proverb, if you live with a lame man, you will learn to limp."

We have battled our international adversary for so long that we are now more like him than we know. He, too, has a huge military establishment. What is going to happen to his soldiers, as that establishment becomes smaller? For too long, he has wanted to keep his military establishment in order to keep his people occupied. And now we want to do the same.

We have been a lame man, and we are learning to limp. The Soviet Union could not reverse its course in time to meet the total collapse of its economy. But our own Nation still has the flexibility, fortunately, to correct our course, in light of our own changed circumstances. The question is: Do we have the heart and the willpower to look ahead and correct our course?

The military establishment, as we know it, cannot substitute—it cannot substitute—for a vital job-producing, growing economy. We have to make decisions now that will foster a growing economy. Let us adjust to the new world, the new maps of the world that we face today.

Those who want to cut defense and use the savings for tax cuts need to recognize what we are facing in these next 5 years, and what we are facing even this year, just to keep up with inflation in our domestic discretionary initiatives.

Defense cuts are vitally needed, beginning now, beginning in fiscal year 1993, to put our infrastructure house in order. The President has proposed a modest reduction in defense for 1993, as I have already pointed out. But he has not proposed that those savings be used to prevent the reductions in domestic discretionary that I have described.

To repeat, we will suffer headline cuts in domestic discretionary of \$8.4 billion in budget authority and \$8.2 billion in outlays in 1993; in other words, now, looking ahead to the appropriations for fiscal year 1993, under the President's budget.

I support a change in the Budget Act. I wrote a letter to the President in December suggesting—recommending—to the President that we modify that budget agreement that we all signed in 1990 when we went to Andrews Air Base.

I could see that we would have to modify that agreement if we hoped to keep up with inflation in domestic discretionary spending.

I wrote the President a letter, suggesting that we do that, and offered my cooperation in doing it. I never heard from the President. I never got any answer. I do not blame the President for that. He is a much busier man than I am, and he was particularly busy at the time. I do not blame him for that.

But I believe that a change in the Budget Act is necessary, and as I say again, I will support a change that will allow defense savings to be used for domestic discretionary increases in 1993 and beyond. While I believe that this change is necessary, there are many provisions in the Budget Enforcement Act that I will continue to support. One is the provision that holds the Appropriations Committees harmless for changes in technical and economic miscalculations. Another is provision which requires committees of jurisdiction to pay for new entitlements or tax cuts; failure to do so causes sequestration against entitlements, not against discretionary spending, as was the case prior to the budget summit agreement. That pay-go provision is critical to the success of the Enforcement Act. No longer can new entitlements or revenue-losing measures be enacted and be paid for by reductions in discretionary appropriations. I will not support elimination of those pay provisions.

Mr. President, it was disarming to read the introduction to the fiscal 1993 budget, wherein it is essentially said that changes in the rules of the

same are OK as long as the new rules are the administration's rules.

Let me read a portion of that statement. In effect, while the President was not able to respond to my letter which I wrote in December, I have the answer now right here in this big, big book, the budget of the United States Government, FY 1993. I have the answer now to my letter. Here it is. And I shall read from page 12 of part one:

The President's strong and responsible agenda for growth can be fully enacted without abandoning the budget discipline of the Budget Enforcement Act.

It is clear, however, that some in Congress do not wish to stay within the Budget Enforcement Act. Some wish to abandon its discipline entirely. Others wish to amend the Act in order to reallocate defense savings for other purposes.

With these Congressional interests in view, the President's proposed defense savings are displayed at Table 2-2.

The defense outlay savings are roughly sufficient to offset the President's proposed \$500 per child increase in the personal exemption. Such an offset is not now possible under the Budget Enforcement Act, nor is it necessary under the President's program.

If the Congress were unwilling to accept full the President's proposed pay-as-you-go financing of tax initiatives, the President would be prepared to consider modifying the Budget Enforcement Act to allow the projected defense outlay savings to offset the proposed increase in the personal exemption.

The President would be prepared to consider modifying the Budget Enforcement Act to allow the projected defense outlay savings. They will amount to something like \$27.4 billion for the next 3 years. He would allow them to be used to offset the proposed increase in the personal exemption, which is estimated to be \$23.9 billion. In other words, domestic discretionary initiatives can go straight to Limbo—in other words, in Dante's divine comedy, "The Inferno"—to the first circle of Hell.

(At this point, Mr. Wirth assumed the chair.)

Mr. BYRD. Mr. President, that statement is a direct assault on a basic principle of the budget summit agreement. The administration has offered very graciously to amend the Budget Enforcement Act and to abandon the pay-as-you-go requirements of that act in order to allow projected defense outlay savings to be used to offset the President's proposed increase in the personal exemption. That was not what was agreed to at the summit. It was very clear at the summit that defense savings would be needed in 1994 and 1995 in order to adjust major cuts in domestic discretionary spending.

Events have now made it possible and necessary to cut defense in 1993 and to use those savings to prevent further devastation of our Nation's infrastructure. We simply cannot afford to waste this opportunity to place the peace dividend into infrastructure investments that will enhance our pro-

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February 7, 1993

CONGRESSIONAL RECORD — SENATE

S 1349

ductivity, our standard of living, our ability to compete in the international marketplace, and our long-term economic security. And, of course, economic security translates into national security. Defense savings should not be squandered for tax cuts that will neither really address the Nation's economic problems nor provide substantial tax relief for working families. A recent Times Mirror poll says that 52 percent of the American people want more public spending as a first choice solution to our economic woes, 52 percent. In that same poll, only 8 percent said that they thought a one-time \$300 tax rebate would be the best way to help the economy. Put simply, the American people have said that the size of the proposed tax cuts will not help them as much as jobs, jobs, jobs and a growing economy.

Moreover, if we cut Federal taxes and fall to provide Federal moneys to the State and local governments to assist them in providing essential services, those State and local governments will simply raise their taxes, as Virginia is contemplating, as Maryland is contemplating, and as the District of Columbia government is contemplating in the newspaper today. They will simply raise their taxes, and this piddling, measly Federal tax cut for working families will just be gobbled up. The American taxpayer will be saying, "Where's the beef?" when it is gobbled up.

Economists have pointed out that only about one-third of Federal tax cuts would be spent and much of that to purchase imported goods from other countries. The other two-thirds would likely go toward reducing deficits, say the economists, or would be saved. The middle-class working families of this Nation certainly need some tax relief. But if it is done, it should be done by shifting the burden within the tax code to the higher income taxpayers. There are a lot of economists in this country today and business people in this country today who are even saying that there should not be any tax cut at this time. As a matter of fact, they are saying there should be a tax increase. I believe I read that in the New York Times just the other day. But with all the critical issues that we are facing—from increasing our investments in education and infrastructure to affordable health care for all Americans—this is not the time to reduce revenues through tax cuts.

The President of the United States and the Democratic candidates are saying we need a national health care plan, and we all know that it is going to be costly.

This is not the time certainly to reduce revenues through tax cuts. Economists further suggest that cutting taxes in an effort to stimulate the economy is ill advised and would likely have adverse long-term economic consequences, thus diminishing prospects for robust long-term economic growth.

I also want to be clear—and to use an old Nixonian phrase, I want to be "perfectly clear"—that I shall oppose any attempt to use defense savings to pay for tax cuts. I will oppose it. The wagon might run over me. My Senate colleagues may help it to run over me. But "I ain't gettin' on that wagon."

The stakes are too high to play politics with the economic future of this Nation. And those stakes are nothing less than the continuance of our superpower status in the world. I reject the notion out of hand that the solution to our economic woes lies in the tax-cut fever that has been sweeping Capitol Hill and this Capital City.

Now, I do not find fault with those who disagree with me. They have a right to their view. I am telling it as I see it.

Like the flu epidemic which has weakened the health of so many Americans in recent months, this tax-cut fever will only serve to weaken our resolve to put the peace dividend where it will do the most good.

Mr. President, we have a real chance here to make substantial investments in this Nation and its people. I do not believe that that opportunity should be squandered in a legislative poker game or a political-bidding war between the White House and the Congress, or between Republicans and Democrats, as to who can cut taxes the most. It is pure election year politics. And the American people know that it is election year politics.

I do believe that action is needed in the short term to jump start the sagging economy. Congress should enact legislation that will provide not only a short-term job stimulus but will also address our long-term public investment needs, both physical and human.

Even aside from a recession at this point, even aside from the need for a temporary or immediate jump start, even aside from all of that, the fact remains that this country has been underinvesting in itself and in its people. It needs to invest in itself and its people, and it needs to invest at a higher rate than that of just keeping up with inflation.

Such action would create hundreds of thousands of jobs—between 40,000 and 60,000 jobs per \$1 billion of investment in physical infrastructure—in public works projects that are ready right now to start.

Any Senator may call his State highway department or the mayor of his big or little cities and they will say to him, "We have plans—we can go right now. We have taken care of the right-of-way problems. We have taken care of the environmental impact studies. We have got the plans all tied up in a nice little ribbon right here on the shelf." The plans are gathering the kind of dust that was on the boxes in those military storage depots that Lesley Stahl talked about on "60 Minutes." If she will go to those cities and touch those plans on the highway departments' shelves, she will get the

same kind of dust on her fingers. The mayors and highway commissioners will tell her, "We have got the plans. We are ready to go. Give us the money, and the dirt will start flying."

We need also to appropriate additional funds for job training and retraining. All of these investments have a short-term payoff, but they are also the kinds of investments that can improve our economic performance over the long term. I am told that each 1 percent increase in unemployment costs the Federal Government between \$25 and \$45 billion.

I believe I heard Senator Sasser, the chairman of the Senate Budget Committee, recently say that the combination of increased State and local taxes and layoffs of State and local employees has created a drag on the economy in excess of \$35 billion. Well, what do we do about it? What do we do about it?

Franklin D. Roosevelt said, "There are as many opinions as there are experts." And he was right. I have been reading the hearings conducted by Senator PAUL SARANTIS, the chairman of the Joint Economic Committee, and the hearings held by Senator SASSER and Senator PETER DOMINICK, the chairman and ranking member, and other members of the Budget Committee. I note that all kinds of experts—some before those committees, and I am going to invite a few of those experts to come before the Appropriations Committee beginning the week after the break. I want to hear those experts. Yes, F.D.R. was right. "There are as many opinions as there are experts." I am not an expert, but I have an opinion. And I have a vote. Here is my opinion. We could invoke the emergency provisions of the Budget Enforcement Act in order to fund a job stimulus appropriation bill. However, that would result in an increase in the deficit. I do not want to see that. I would prefer to work within the budget agreement, which now calls for discretionary spending to be merged in 1994 and 1995.

I would, however, propose that we break the wall between defense and domestic discretionary spending now while otherwise retaining the enforcement and all other elements of the budget summit agreement. In other words, I am saying today what I said last December in my letter to the President.

I believe that we must seriously contemplate the long-range ramifications for our country of a failure to make dramatic changes in our national priorities. Circumstances have changed, as I have already indicated, in many ways from what they were when we were at the budget summit. Nobody realized when we were at that budget summit in 1990 that unemployment in this country would be 7.1 percent today; that there would be 8.9 million Americans out of work, with an additional 1.1 million Americans who have

S 1350

CONGRESSIONAL RECORD — SENATE

February 7, 1993

become so discouraged that they are no longer seeking work; and an additional 6.3 million Americans on part-time employment, making a total of over 16 million Americans who are either jobless or are underemployed today.

13 percent—13 percent. Nobody at the budget summit foresaw that 1 out of every 10 Americans would be on food stamps in January 1992. Nobody foresaw at the budget summit that business bankruptcies last year would amount to 73,500. Nobody at the summit realized that personal bankruptcies filed would amount to \$19,958 last year. Nobody could possibly foresee such developments.

There are some other things we could not foresee. I am reading from a document by the Wall Street Journal titled "Plant Closings Or Mass Layoffs: November 1-December 31, 1991." I will not read all of this but I will just select a few of the items.

Beginning in November 1991: Deere & Company, 2,100 employees; Mar Department Stores, 1,000 employees; Solidis Inc. Rich's and Thrasher department store divisions, resulting in eliminating 750 Thrasher's employees; Ford GM and Chrysler Plant shutdowns because of slow sales will idle more than 24,000 hourly workers for 1 or 2 weeks.

That was on November 15. Nymex Co., which is a telecommunications computer industry. "Restructuring initiative to cut the work force, consolidate or shut down some units." The number of employees affected, 3,400.

International Paper Co., 1,000 employees affected. IBM, "Job reductions to take place in 1992 on top of the more than 20,000 jobs eliminated in 1991. Twenty thousand, the number of employees affected."

Tenneco, Inc.—"Tenneco's JI case unit, which makes farm and construction equipment, plans to lay off 4,000 more workers. It has already eliminated 5,000 jobs since 1990."

Phillip Morris Food Processing "will discontinue operations at a turkey processing plant in California in May. The number of employees affected, 1,449."

Union Carbide, 7,500. General Motors, 74,000. Digital Equipment Corp., 10,000. Ameritech Corp., 2,800. McCrory Corp., 2,000. Zale Corp., 2,000.

Then, Mr. President, from another memo I now read the following. These are corporation layoffs that were announced in January. Last month.

January 7, 1992 Sears, Roebuck & Co. announces a revamping of its customer service and catalog department, eliminating 1,000 full-time jobs and 6,000 part-time jobs.

January 4, Woolworth Corp. announces it will close, sell, or change format of 800 stores causing the elimination of 4,700 full-time jobs and 3,300 part-time jobs.

January 3, 1992, OREX Corp. says it plans to close its Chicago-old South Works steel plant in Chicago affecting 600 employees.

Chvron Corp. announces employee reductions of at least 2,500 as part of an effort to cut out high overhead and operating expenses.

United Technologies Corp. announces a restructuring which will eliminate 13,000 jobs.

Bethlehem Steel Corp. announces it will end its participation in the light structural steel industry which will slash its employment by 25 percent, or 4,800 workers.

And so on and so on. The disturbing day-to-day news concerning layoffs and shutdowns reminds us of Malcolm's words to Macduff as they contemplated retaking the throne of Scotland from Macbeth, who had murdered King Duncan, the father of Malcolm:

I think our country stinks beneath the yoke. It weeps it bleeds; and each new day's wash is added to her wounds.

Each new day, Mr. President, we see it. And so it went during the Cold War. Now, things have changed in our country and its economy.

Mr. President, we have all lived through the cold war together.

I was born in 1917, the year in which Vladimir Lenin, who preferred to call himself Lenin, led the revolt against the czar. Lenin died in 1924, when I was 7 years old. But his specter stalked the world stage even after his death. In 1948, Stalin seized Czechoslovakia. I think it was in February. In June of that year he imposed a blockade on West Berlin.

I remember that very well. That is one of the reasons why Harry Truman is one of my idols, insofar as Presidents are concerned. The French and the British and the Americans ran those corridors into Berlin. And to just 4,000 tons a day of food and fuel flown into Berlin.

The pilots called it "Operation Vittles." And it lasted 15 months. There were not very many airfields. There was one airfield in the British sector and one airfield in the United States sector. Eventually an airfield was added in the French sector. But over those 15 months, the allies flew 277,000 flights into Berlin. A C-47 had to take off or land every 3 1/2 minutes around the clock.

When the Soviets backed down, the allies had flown 2.3 million tons of fuel and food and clothing and medicine into Berlin—almost a ton for every Berliner. Those were tense days for all of us during the 1948-1949 Berlin airlift.

Then in 1956, the Warsaw Pact was announced. In November 1956, the Soviets put down the Hungarian revolt and the streets of Budapest were carpeted with the bodies of the Hungarian martyrs.

In 1967—I was a Member of the House of Representatives at the time—the Top news agency came out with a startling statement saying that they were announcing an item that would be of great interest to the American public. This for the first time an artificial Earth satellite was launched successfully in the U.S.S.R.

Since the days of Cain and before, there has always been an Earth satellite, the Moon, but the Soviets had launched an artificial Earth satellite, the size of a beach ball, circling the Earth, making 1 revolution every 96 minutes, traveling at the speed of 18,000 miles an hour, meanwhile emitting beep, beep, beep signals. It came as a shock to the American people.

In 1962, we went through the Cuban crisis which lasted 13 days. We had our briefings of Senators and we were told where to go and what to do in the event of an attack. Really, there wasn't much that could be done for Soviet missiles launched from Cuba would wipe out 60 million Americans in a matter of a few minutes. After 13 days Khrushchev backed down.

Then in December 1979, the Soviets invaded Afghanistan. And so it went during the Cold War. Now, things have changed in our country and its economy. We have not seen the decline and fall of the Roman Empire, which Gibbon wrote about. But we have witnessed the decline and fall of the Soviet empire.

That will be a matter for the history books in the days to come. The Red menace, like Attila the Hun, is gone.

In the year 451, Attila, king of the Huns, the "Scourge of God," the "dread of the world," invaded the Gothic heartland and the last Roman general, Aetius, joined forces with Theodoric, the king of the Visigoths, and turned back Attila and his savage horde of 700,000, on the Plains of Chalonx. The next year Attila invaded Italy.

There is a saying that is worthy of the ferocious pride of Attila that the grass never grew on the spot where his horse had trod. Yet, the pressing silence, the majestic aspect and sacerdotal robes of Leo I, the saintly father of the Christians, excited the veneration of Attila, and he retreated from Italy to his wooden palace beyond the Danube. The next year, in 453, Attila married the beautiful Hildic. There on the plains of Hungary occurred a sumptuous banquet with all of its pomp and festivities. After which, oppressed by the wine and the need for sleep, he retired to his nuptial bed.

The next morning he did not rise. The attendants waited until late in the day when they became alarmed and broke into the royal apartment and found Attila, their king, dead, with the beautiful Hildic, or Hilda as she is called by Gibbon, kneeling by the bedside, frightened and weeping at the loss of the king. The remains of Attila were enclosed within three coffins of gold, silver, and of iron and privately buried in the night. The spoils of war were thrown into his grave, and the captives who had opened the ground were massacred.

Nobody today knows where Attila is buried. He is gone. So, too, the Red menace is gone. The New York Times of August 27, 1992, had this headline: "Gorbachev Pleads. But Breakaway

1992

fore, steel had little, the y 80 d of emi-came urban had were n there e for Cuba emer-gies, down. 6vies I war, have of the wrote he de-mpire, history e Red one. of the d the roman with igotts, savage of Char-navad thy of at the vere his ng clo-1 sacer-father vened from the and the Attila here on rred a of its ich, op-need for ial bed-ise. The day d broke I found e beau-alied by bedside, loss of itia were of gold, privately is of na-ave, and ned the Attila is the Red k Times headline: takaway

February 7, 1992

CONGRESSIONAL RECORD — SENATE

S 1351

Areas Defy Him, Putting Fate Of Union In Doubt. "Collapse of an Empire." The Washington Post, August 28, carried this headline: "Gorbachev Says U.S.S.R. on Verge of Collapse." The Washington Post, September 1, headline was, "Two Central Asian Republics Quit U.S.S.R." "Departures Bring Total to 10." The Washington Post of September 6 carried the headline, "Soviets Transfer Power to Republics, Create New Transitional Government." U.S. News & World Report on its cover carried the historic words, "The End of Communism." "Russia Reborn." Inside the magazine, "Following the faded couple, a new age has dawned in the Soviet Union. The Communist Party is effectively dead—effectively dead. And so, Lenin, who had said, "We shall destroy everything, and on the ruins we shall build our temple," is gone forever and the temple, which he so proudly spoke, is gone. No longer is the Red menace the chief danger to our country. The menace that faces Americans today is the pink slip. Mr. President, I have lived a long time, more than the 70 years promised by the Psalmist. I was born during the administration of Woodrow Wilson, in World War I. My mother died in an airplane crash in 1918. I lived through World War II, the Korean war, the Vietnam war, the war in the Persian Gulf. I saw the Great Depression. It is more than just a faint memory to me. It is not something that I have just read about in the history books. It is not something that I have just heard about from parents or uncles or aunts or grandparents. It is something I saw, something I felt, something I knew, something I suffered. But even in the Depression, even in the dark night of despair, we saw the bright star of hope. I have seen recessions come and go. I have seen this country in hard times and in prosperity. But there has always been hope. There was hope in those little shanties, in those coal mining towns, when millions of Americans walked the streets and the back roads of the country seeking work, and lining up in the soup kitchens. There was hope when a crippled man became President of the United States and said, "All that we have to fear is fear itself." There was still hope to keep us going. Never before have I felt like I feel about what is going on in this country today. There is something fundamental happening in this country. There is a fundamental bedrock change going on in this country. Our country is not like it was. It is slipping. A few days ago, the President gave the State of the Union Message, his fourth. But it was not the whole State of the Union. Much remains to be said. There is a spiritual State of the Union that needs to be addressed. We do not

speak of the Bible anymore. Anything goes. Watch TV, and you will hear any kind of language. I have heard it—profanity, God's name spoken in vain, nonchalantly. Hear it on the streets, hear it in the schoolhouses, hear it anywhere, all kinds of filthy language. God's name is never spoken except in a profane way. In many of the schools, there is almost a total lack of discipline. George Washington said that "discipline is the soul of an army." Daniel Patrick Moynihan once said that "discipline is the glue that holds societies together." How can teachers teach when they have to spend their full time trying to impose discipline, and putting their lives and their limbs at risk in so doing? Discipline. Anything goes. I do not know that we can put full credence in everything we hear about Head Start. We hear a lot of good things about it. Undoubtedly, the program does some good. Twenty-five years from today, when I probably will not be around, I do not know what people will be saying about the expenditures for Head Start, but I am willing to keep trying. We must spend more money on education, but money is not the sole remedy. As far as I am concerned, we ought to build some buildings and put the roughnecks, the troublemakers, in those buildings and let the students in those buildings to study have some peace. Can we imagine students being able to concentrate on difficult math problems or teachers being able to teach difficult math problems, or science problems, physics problems, or English, or history with all the noise and clamor and cursing and ripping and tearing going on in the schoolroom and out in the halls? I agree with Senator Nunn. We ought to put some of the Marines in the schools and let them try to at least impose discipline. I was brought up in a school where there was discipline. My old coal miner father did not say, "If you get a whipping in school, I will whip the teacher." He said, instead, "If you ever get a whipping in school, I will whip you again when you get home." And I knew he meant it. So we have to do something. The tide is going out. It is time we politicians started telling people the truth. Everything is not "Good morning in America." The American people were told that too long. They were told only the good news. The idea was to make them feel good. Mine is not a "feel good" message. It is not good morning in America. There is not a free lunch. Remember David Stockman and the "magic asterisk"? He said that Reagan was not up to it. He said that President Reagan did not know what was going on in that budget. We were fed a lot of that good morning in America. But the American people know it is not good morning in America. We have to give them credit. They were told, "If it ain't broke,

don't fix it." Well, it is broke. Look at the national debt; it is well on its way to \$4 trillion. How long does it take to count \$1 trillion at the rate of \$1 per second? Thirty-two thousand years. Our steel furnaces have closed; factories have shut down. Assembly lines have dwindled. Workers dream of the pink slips. That is what is wrong with consumer confidence. The thing is "broke," and if we do not face up to it, we will not fix it. The outlook is pretty gloomy, is it not? But we can fix it. Let's just tell the American people the truth. Forget politics once in a while. What I have said here today, I have not said in the interest of politics. I have not recommended increased domestic discretionary funding for political reasons and increased cuts in defense. I have not urged them on behalf of the Democratic Party. I have not urged them on behalf of the Republican Party. I have not urged them on behalf of the Democratic candidates. I have made the case for domestic discretionary increases because these are my convictions; they were my convictions at the summit. We have to tell the people the truth. I do believe that there can be good morning in America if we make the right decisions. A great Frenchman, de Gaulle, referred to the "incredible" American who "believes that if something has not yet been accomplished it is because he—that incredible American—has not yet attempted it." We Americans can do it again—we have the resources—if we put the brains and the willpower to face up to the truth and to act; to stop playing politics; and get away from the silly notion that we cannot cut the Defense Department budget more. It is silly. My little dog, Billy, knows better than that. Mr. President, I still believe in the future of America. I believe it needs leadership, and it can have leadership. Both parties can give that leadership. We have to quit kidding ourselves. It won't be easy to straighten the country out. We are going to have to have the President's help. I close with an inscription that appears on a monument to Benjamin Hill in Atlanta, Georgia, a former United States Senator: Who saves his country saves all things, saves himself. And all things saved do bless him. Who lets his country die, lets all things die. Dies himself ignominiously. And all things dying curse him. Let us save our country. Mr. President, I yield the floor. I suggest the absence of a quorum. The PRESIDING OFFICER (Mr. Reid). The clerk will call the roll. The legislative clerk proceeded to call the roll.

...the Japanese Embassy sent an "apology," declaring that "regretted" any possible misunderstanding and making the point that no was intended. Bush later characterized the message as "a very clear statement of good faith." Mr. Miyazawa's original "probably not helpful" but then they could stir "the rage in all I want to compete and show who work force really is." He added that the remarks were in category as those of Senate Majority George J. Mitchell (D-Maine), questioned the fairness of Japan's policies. The Maine Democrat, for called the prime minister's "constructive," showing "no understanding of this country." Japanese are highly sensitive these anti-Japanese feelings in the United country's largest market and ally. The state of relations the two richest nations has become problem for Miyazawa. becoming prime minister three ago, Miyazawa has alternately the United States—"This great the leader of the world," he said and criticized American society of drugs, the homeless and education. Miyazawa sounded like U.S. pun-cun-gulate attitudes of the "Me Geo-" "Over the last 10 years," he said, as that America has reached the at the mindset to produce things e value has loosened sharply. "people getting out of college here Wall Street for very high salaries, a result that the number of engi- produce goods has gone down. He then criticized the "money because of its junk bonds, lever-youth and large loans that require rest payments." "These things, which thought could last long, have gone 0 years," Miyazawa continued. "And thought for a long time that the hic is lacking as far as that area is ed." He then noted that "in one sense, ntry too has this situation in the 'dubble economy.'" The later is the re for the speculative financial furor late '80s, which led to runaway in Japan's stock and real estate mar- diversion from the budget debate when a senior member of Miyazawa's Democratic Party, Kazuo Moto, said he real problem in the auto market is the management of U.S. plants. "I said that at Japanese-owned auto in the United States. "Americans are in good cars. The question is, how to herican workers skillfully." I said some U.S. consumers try not to American car made on a Friday, be- U.S. workers are thinking about the rd, or on Mondays, "as they played rd Saturdays and Sundays." It was in e on this comment the Miyazawa I talking about Americans' commu-

stress. The chief domestic initiative of Miyazawa's government has been what he calls the "lifestyle superpower" project, aimed at helping Japanese people to lift up somewhat from their work-oriented life and find ways to enjoy family and free time. While Japanese politicians continue to say that American manufacturing has weakened, consumers here evidently disagree in many cases. American high-tech products are bestsellers in several key Japanese markets. Nearly all Japanese personal computers use microprocessors designed and built by the American Intel and Motorola companies. The best-selling computer software in Japan in 1991 was the American-made program Lotus 1-2-3; it seems likely to be passed this year by another American software hit, Microsoft Windows. Americans make the top-selling product in other Japanese markets ranging from clothing to cola, from prescription drugs to diapers. U.S. movies, records and videos dominate the pop charts. But the Japanese do not have high regard for American cars. Their disdain seems to have increased after three auto company presentations came here last month with Bush and demanded that Japan import more cars. AMERICAN FAMILIES WORKING LONGER, NOT SEVERELY IMPROVED LIVING STANDARDS, CONGRESSIONAL STUDY FINDS A Joint Economic Committee study released today shows that 30 percent of two-parent American families with children were working longer hours in 1989 without realizing any improvement over the standard of living of such families in 1979. The staff study, "Families on a Treadmill: Work and Income in the 1980s," compares Census Bureau data on income, hours, and employment in two-parent families with children compiled from the Current Population Survey in March 1980 and March 1990, to evaluate the changes in family income over the decade. The JEC study notes that "we chose to focus on two-parent families with children because we were concerned that changes in the economy may be having a negative effect on the welfare of children. Most children live in two-parent families. It is important to know whether such children are growing up under increasing economic hardship." The study found that for most families in 1989, when compared to families in 1979, increases in income, adjusted for inflation and work-related costs, have come from working more hours, not increases in hourly pay. When the additional costs of increased working hours are taken into account, 80 percent of families increased hours more than their net incomes rose. Real hourly pay for husbands in 89 percent of the families declined over the decade and remained constant for another 20 percent of families. Only the top 20 percent of families saw a significant rise in the hourly pay of husbands. The analysis also revealed that while the real hourly pay of wives increased for most families, for 80 percent of families the decline in hourly pay of husbands was greater than the increase in wives' hourly pay.

living," said JEC Chairman Paul Sarbanes. "Fully 80 percent of these families are on a treadmill—they see their net family income decline over the past decade or grow by a smaller percentage than did their hours of work. To merely maintain their standard of living, or to avoid falling even further behind, they have had to increase the hours of work at the expense of their time with family and community. Only the top fifth of these families enjoyed the gains in their standard of living." "These findings are very troubling, especially when you consider that the family represented in this study are responsible for raising nearly three-quarters of all the children in our country," Senator Sarbanes said. "Too often it is these children who are the real losers from the economic slide which poor economic performance is placed on families." The study concludes that addressing the problems will require "profound changes in the labor market, raising the rate of growth in wages for both men and women. Without such changes, the most likely forecast is a continued economic stress on a majority of American families." Mr. BYRD addressed the Chair. The PRESIDING OFFICER (Mr. Wofford). The Senator from West Virginia (Mr. Byrd). Mr. BYRD, Mr. President, what does the order provide with respect to recognition of the Senator from West Virginia? The PRESIDING OFFICER. I understand it provides that the Senator is recognized for 90 minutes. Mr. BYRD, Mr. President, I thank the Chair. I ask unanimous consent that I may be recognized for such time as I may consume. The PRESIDING OFFICER. With- out objection, it is so ordered. Mr. BYRD, Mr. President, I understand that the distinguished Senator from Arizona (Mr. DeCONCINI) wishes to speak for 5 minutes. I yield to him, not to exceed 5 minutes. SENATOR BYRD'S PRESENTATION Mr. DeCONCINI, Mr. President, I thank the President pro tempore and my friend, ROBERT BYRD. I understand he has a presentation which I might mention may be somewhat similar. I am sure, to what he presented before the Budget Committee a few days ago which I did have a chance to observe. It is outstanding. I appreciate him giving me a few minutes because I am on my way to Arizona at 2:20 today. I have to leave here shortly. I appreciate it very much.

Testimony

CAYETANO GERARDO
Lihue, Kauai, Hawaii

March 24, 1992

I am Cayetano Sonny Gerardo. First I want to take this opportunity to thank you for affording me to speak on the Draft Environmental Impact Statement for the Strategic Target System Program proposed for Barking Sands, Pacific Missile Range Facility, Kauai. Although I am employed by the County of Kauai and a public official, my testimony is given as a private citizen. I hope that despite the many people who have spoken before me, my input will be worthy for you in your decision-making capacity in determining what will happen with the STARS program on Kauai. I am hopeful that my testimony will not be too repetitive with other testimonies and that you will find materials in my testimony which can be useful for you in aiding decision making.

Tonight what I offer in testimony is in regards to everyone's concerns, and that is *PUBLIC SAFETY* and the need to assure their safety and protection regarding this proposal. People believe that your proposal have risks for them and I agree, but despite these risks I think that the risks should be weighed along with the benefits of your proposal. Tonight I am not here to clarify the need to retain the nation's National Defense and Security strong to protect our freedom and independence because I have strong convictions that you will provide this to us; I am not here also to explain why research and development to keep our military's technical capabilities as strong and best as it can be because I am confident that you will explain this too, and finally, neither am I here to destroy your credibility because you choose to retain our nation free from foreign powers who want to destroy us. I am here, however to address the need for *PUBLIC SAFETY* and the need for *EMERGENCY CONTINGENCY OPERATIONS CAPABILITY* just in case it is needed because of an accident during launch operations.

Before I proceed with the primary theme of my testimony, permit me to remind everyone that without the STARS Program and its associated hazards, Kauai now faces daily dangers. These potential hazards are necessary however, because without it, our environment would be threatened and perhaps destroyed and us along with it.

Sewage Treatment Plants provide potential dangers for all of us because of the amount of chemicals needed to operate the various plants throughout Kauai. Chlorine is dangerous when released into the atmosphere but when controlled, it provides an agent to keep our environment clean and free from affluent. Despite the hazard however, we permit it to exist on Kauai because of the benefits we get back from these sewage treatment plants.

While it may be unfair to compare a Sewage Treatment Plant with a STARS Program, I am making a point in that both examples have risks associated with it and both also have benefits. The major difference in both examples is their magnitude of impact. The sewage treatment plant have a benefit to only us on Kauai while a STARS Program benefits the nation as a whole and possibly the world. We must remember to maintain the same standards of public safety and emergency operations to both examples above, however because if we still maintain that the sewage treatment public safety concerns are acceptable to us, then we must also logically assign the same public safety standards to the STARS Program.

National Defense and Security is critical to all of us. Our way of life, our liberty and our pursuit of happiness guaranteed by our U.S. Constitution would be in jeopardy should our national defense and security be weakened. What we know as the American Way of Life will no longer exist for us and I don't believe that anyone here accepts this risk. Yet when programs to protect this is proposed, there are those who are narrow minded enough to believe that what it takes to preserve it is too risky. War is hell, there is no doubting that, too many human lives have been destroyed in protecting our liberty and freedom in the past. I am confused as to why our forefathers and ancestors have given us our liberty and freedom, because there are those who do not want to retain it any longer or are naive enough to believe that it will never be taken away from us.

Earlier I have promised to speak on *PUBLIC SAFETY* and *EMERGENCY MANAGEMENT PROCEDURES* associated with the STARS program and I will keep to that promise. The initial launches which was first presented to us was that there would be four (4) launches a year. I believe that I have read somewhere that more launches are to be added. Despite the increase in the number of launches, the factor of safety remains the same and that is "the safety of the people should have a high priority. We need to be assured that our

basic safety will be guaranteed. I feel that reasonable risks are acceptable and that we can depend upon the Army and those others involved with the program to provide maximum protection for us during the planned launches at PMRF Kauai Test Site. I don't believe we can accept *HIDDEN AGENDAS* from the military. Hidden Agendas have been common in the past, and I believe that those in opposition to the program remembers these past mistakes of the military. I believe that they are opposing the STARS program because they still believe that the program is linked with *NUCLEAR ARMS*. They don't trust you and they will continue to mistrust you until you restore their confidence and trust.

To be sure, I have read your DRAFT EIS and find that all of the concerns regarding safety and emergency procedures are in-place and adequately address the people's concerns for public safety and emergency operations. Dangerous fuels that are to be transported will be minimal and should it occur, adequate precautionary procedures are planned. I am confident that you will reduce any emergency situation to a minimum.

The hazards at the launch pads are also adequately addressed. I remember that as an employee at the PMRF in the 1960's and early 1970's PMRF conducted rocket launches then. The number of rocket launches were about the same as is being planned now or perhaps a few more launches. Safety was adequate then and I believe that it is still adequate today. Technological changes have occurred throughout the years, and I believe that these changes have caused improvements in public safety operations also.

What I have touched upon in my testimony are issues that I believe to be the real issues for the STARS program. Other topics have been introduced and required to be investigated by you through the means of the EIS. These topics are a means to distract from the real issue. To me, I believe that *PUBLIC SAFETY CONCERNS* and whether or not *EMERGENCY RESPONSE* procedures are in-place in case of an accident which requires emergency services during your launch operations and I believe these are the only real issues. I strongly feel that your proposal of launching from the PMRF Kauai Test Site is necessary for our National Defense and Security and therefore should be approved to go ahead.

Secondary concerns regarding the environment are also important, but I believe that these concerns are adequately addressed in your draft EIS. I also am concerned about all living things and that they should be protected also. The ecosystem in which our living system depends upon is also precious and should be preserved. Your draft EIS, however, have addressed these concerns adequately. I am convinced, however, that there will be those who will disagree with my opinions but it is okay because this is what make our country great. We have the right to disagree because reasonable people do not agree all of the time but disagree in many topics and subjects. I listen to their arguments and rationale and I am hopeful that they too, are reasonable people and would allow me my right to speak my mind and opinions. After all, I believe that this is the reason why research and development is being proposed here, and that is to retain our right to be free in mind and spirit.

Members of the panel, I appreciate this opportunity to have spoken my thoughts and my feelings. I sincerely hope and pray that the decisions to be made regarding this STARS program will be allowed to continue. My children and their children after them depends upon having a free nation to exercise their freedom and to express themselves without the fear of reprisal when they do. By my work in emergency management, coordination involve mitigation also and I believe that the military has demonstrated their capabilities in safety management and emergency procedures. After all, I have worked with some of you in our disaster in 1982.

Many believe that the cold war is now over and I agree. Despite this however, I also believe that world tension is still with us and is still a problem. The problems in the middle east will not merely fade away to be forgotten. Saddam Hussein is still around to restart warlike conditions for the world. We cannot relax our preparedness in maintaining our national defense and security.

Lest I be misunderstood, let me say that I too fear war and the threat of what it brings to the world. The many lives that has to be given as in past wars are useless and stupid. However, when our lifestyle and freedom is threatened, we must take every means to make an attempt to preserve it. I also love life and I want to

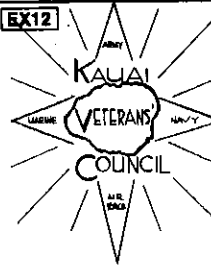
EX11 (cont.)

go on living because I believe that life is beautiful. I also love my peace and freedom as much as anyone here tonight. I am also a realist in that I can appreciate what has given us this freedom and ability to pursue our happiness. I also don't object to people working for their livelihood and if people are being threatened for the possibility of losing their jobs, I believe that this is unfair.

I believe that the most unfortunate aspect of the resistance regarding your proposal of rocket launches on Kauai stems from people's fear of your hidden agendas. In the past, hidden agendas were natural expectations from the military. I point the secret project on Kauai during the Vietnam war period. Agent Orange were being tested on Kauai without anyone knowing of the tests. Those who had knowledge about the project did not reveal it to anyone. While I am aware of the concept of NEED TO KNOW, I also am aware of the need for divulging information that is necessary for the public to know. Minimal information regarding the project could have been told to the public without causing any panic at that time. However, because hidden agenda is a natural aspect of military operations, nothing was said to the public regarding the project. This is a prime example of why the public fear any project that involve the military. I almost guarantee you that people's fear in the launches are basic to their fear of nuclear arms.

With the above statement, I suggest that somehow to gain the public's trust, you will need to mend many fences. You will have to show us that the military are credible people.

EX12



March 23, 1992

TO WHOM IT MAY CONCERN:

I am Edward Kawamura, President of the Kauai Veterans Council and regret that I cannot be here tonight to testify on behalf of the Kauai Veterans Council as we continue to support the STARS program. As we are all veterans of the previous wars in which we all so gallantly fought, we can see what it is not to be prepared.

As the United States Navy pulled out of Subic Bay, even the people of the Phillipines were sad as they know it kept enemy countries away from them.

Unfortunately, we will be unable to protect ourselves. I still say we are the silent majority, as the vocal ones are at it again.

Thank you,

Edward Kawamura
Edward Kawamura, President
Kauai Veterans Council

EX13

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL



MISSILE WARHEAD IMPACTS IN THE KAWAJALEIN ATOLL

WE ARE AGAINST ANY OF YOUR FASCIST ACTIVITIES ANYWHERE YOUR STAR WARS PLAN IS BARBARIC. TO ~~USE~~ USE REAGAN'S WORDS. GO WATCH THE MOVIE AGAIN - YOU MISSED THE END.

MICHAEL SOSSMAN
ANAHOLA, KAUAI

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EX14

It's disturbing that many of the PMRF employees are displaying obnoxiousness and immaturity tonight. Also, several of them, are smelling of alcohol, which must explain their actions, being that PMRF hires ^{mature} adult employees. One particular man ~~was~~ threatening an older woman earlier, and using obscene language. I don't know what you can do to stop it, but please, remind these people that they are representing ~~PMRF~~ PMRF in an extremely negative fashion.

Matthew Kaepic, Jr.
4676 Mailihuna Rd.
Kapa'a, HI 96746
822-1963

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1-29

EX15

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

THANK YOU FOR HOLDING THE PUBLIC HEARING.

I AM OPPOSED TO STAR WARS/MISSILES ON KAUAI.

HOW MANY TIMES DO WE HAVE TO SAY THIS BEFORE THE GOVERNMENT LISTENS?

Name MARY MULHALL
Address 1210-A CROSSLEY KAPAA, HI 96746
Street Address City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

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1-30

EX16

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

KAPU. - KEEP STAR WARS OF KAUAI JUST SAY NO!!!

Name Carol Leav
Address Luani Kauli 96765
Street Address City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

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EX17

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL



MISSILE WARHEAD IMPACTS IN THE KAWAJALEIN ATOLL

Sirs,

We are totally against Star Wars activities on Kauai. The issue of prean destroying the ozone must be addressed!

questel Sussman

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1-31

EX18

Written Comment Sheet

**Strategic Target System
Draft Environmental Impact Statement**

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

**It's for our kids
NOT to have star
wars. It's for the
environment and not
to pollute the air and
ocean. NO STAR
WARS ON KAUAI.**

1

**Thank you for
thinking about
US kids**

Name **Kyle COURSEY grade 1**
Address **296 Molo St. Kapaa**

Street Address City/State/Zip Code

96746

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

1-32

EX19

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

NO
ROCKETS

1

Name **AMF**
Address **PO Box 625 Hanalei**
Street Address City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

EX20

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

NO
ROCKETS

1

Name **R. Langford**
Address **PO Box 625 Hanalei**
Street Address City/State/Zip Code

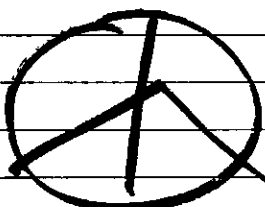
Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

EX21

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

NO
ROCKETS


Name Sunshine Conn.
Address 714 E. Highway Dr. Ft. Belknap, AK. 99701

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

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1-33

EX22

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

ALOHA - SINCE I WAS A LITTLE GIRL (I WAS BORN IN 1962) I'VE BEEN HEARING ABOUT ECOLOGY AND ALL OF US CLEANING UP OUR ACTS, SIMPLIFYING OUR LIVES AND PEACE ... I HAVE ARRIVED TO THIRTY TO FIND OUR GOVERNMENT ALL TALK AND NO WALK - STILL ERIEZ CARDS PILED THE SHELVES AND THAT IS A SMALL FRACTION OF ONE PROBLEM - THERE IS NO SIMPLIFYING BY OUR GOVERNMENT (WHO WE LOOK TO AS OUR LEADERS AND EXAMPLES) AND PEACE AND ECOLOGY SEEM FARTHER AWAY THAN EVER, EVEN OUT OF GRASP.
IS THIS COUNTRY FOUNDED ON WHAT GOD WANTS ->

Name SHANNON L. WROZ
Address P.O. BOX 1697 HONOLULU HI. 96714

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

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EX23

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

NO
ROCKETS



Name Amanda Dean
Address FbRS HK
Street Address City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

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1-34

EX24

Written Comment Sheet

The earth is the home and all its
contents. all who dwell in it. Psalm 24.

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

Let us be one island under God.
Please no "star" on Kauai
In the name of "Aloha"
the most powerful weapon
on earth, let us protect
our island and our country
and our world.
Rise up - Kauai.

Name Uma Giese
Address P.O. Box 478 Hanalei HI 96744
Street Address City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

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EX25

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I say "no" to stars on Kauai

It is born of a mentality that is pushing humanity towards self-destruction in the name of profit, "economy" + "defense". I know men + its toys are good for the economy but I do not feel they represent hearts given to serving God + His creation.

His admonition to love one another would be better served by a new approach. Love conquers evil, giving conquer greed, The peace of God triumphs over the chaos of our world systems.

Name Ken Gize

Address Box 478 Hanalei HI 96714
Street Address City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

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EX26

TESTIMONY FOR THE STARS DRAFT EIS REVIEW

Thank you for allowing me to submit my written testimony for the DRAFT EIS for the STARS launches.

I support the STARS Program and the Pacific Missile Range Facility. I have reviewed the Draft EIS for the STARS program and I am convinced that **there would be no significant impact caused by the STARS launches.**

In fact, I am convinced that a **far more negative impact** to the Island of Kauai and the State of Hawaii will occur if the protesters to the launches are allowed to stop STARS launches from taking place.

The commanding officer of PMRF has said that the STARS program provides a portion of the budget for PMRF, but that PMRF will not be affected if the STARS program were not there. I DO NOT AGREE.

First, the CO is a military career person who is at PMRF for a short time only, and he will be moved to another assignment when he leaves Kauai. I am convinced that the CO is parroting what his superiors direct him to say. I am also convinced that he has no vested interest in the people of Kauai, especially those who have given many years of their lives in support of programs at PMRF and the entire populace which would feel the economic impact if PMRF were to close.

My reason for concern is that this case has the potential to be like that of the old story: "For want of a nail the shoe was lost, for want of a shoe the horse was lost, for want of a horse the battle was lost, for want of the battle, the war was lost."

I BELIEVE THAT THE PEOPLE PROTESTING THE EIS HAVE AS THEIR LONG TERM GOAL THE CLOSING OF PMRF, AND STOPPING THE STARS MISSILE LAUNCHES IS JUST THE FIRST STEP!

As a concerned citizen of Kauai, I wish to go on record in **SUPPORT OF THE STARS MISSILE LAUNCHES** and the Pacific Missile Range Facility.

Annelle F. Hazlett
PO Box 366
Waimea, HI 96796
(808) 338-9888

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EX27

FRANCES N. FRAZIER
4120 OMAO ROAD
KOLOA, KAUAI, HAWAII 96756

Deputy Commander
U. S. Army Strategic Defense Command
Attention: CSSD-EN-V (D. R. Gallien)

Dear Sir:

On the subject of the launch of strategic target system vehicles from Mana on Kauai, I suggest that not enough attention has been paid to the significant impact which will be made on the cultural resources found within the installation. I quote from page Es-3 of the Executive Summary of the Draft Environmental Impact Statement for the Strategic Target System;

CULTURAL RESOURCES

The entire land area of KTF [Kauai Test Facility] and PMRF [Pacific Missile Range Facility] could be considered archaeologically sensitive because of the cultural resources found within the installation.

As well as the cultural resources found within the area a body of written literature exists which confirms the value of the entire area, as was discovered by Aletha Kaohi and Kalani Flores when they contracted to research the area.

Furthermore, there will certainly be a demonstration by persons of Hawaiian descent who in January 1993 will be marking the 100th year of injustice arising from the overthrow of the Hawaiian monarchy, and the breach of trust committed by the Federal, Territorial and State governments. Organizations such as Ka Lahui Hawaii and others devoted to the concept of self-determination for Hawaiians and management of our own land are very much interested in the Ahupua'a of Waimea in which the PMRF is located. The status of that land on which the Kekaha Sugar Plantation now exists, as well as

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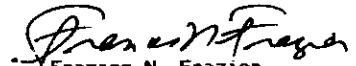
EX27 (cont.)

the PMRF is in question.

I personally am inclined not to deny the existence of PMRF as long as Hawaiians are allowed a corridor to the sea from which subsistence can be gained. PMRF seems to have been a good neighbor and a good source of employment for Kauai people, but by their existence there irreparable damage has already been done to the cultural resources.

However, the expansion of use of the area by the Strategic Defense Command for a stated period of ten years is an intolerable extension of intrusion into an area which was leased to the PMRF. And like the legendary camel which got its nose into the tent, the first thing you know he'll have the whole tent. The people of Kwajalein may or may not have been given the courtesy of an EIS but we here on Kauai have certainly been granted that favor and I, for one appreciate the favor but reject the proposition that we be the hosts of a questionable venture which will not preserve the quality of life most of us on Kauai wish to have

Finally, we no longer have the united might of Russia to worry about, but we are in a much more dangerous position as regards the whole world situation since now, instead of facing the predictable we are facing the unknown. I suggest there might be a better way to spend our tax money on defense.


Frances N. Frazier
4120 Omao Road
Koloa, Kauai, Hawaii 96756

March 24, 1992

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1-36

EX28

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I have not had an opportunity to study the EIS. I have seen listening to the speakers here on this issue. We are living on a small strategically placed island in the Pacific Ocean. I can understand the women's fears of losing their livelihood. I believe that this base has functioned well until now and is necessary for our own defense. I don't believe this base will be significantly increased if we do not employ the STARS program. I don't think that the EIS at this point is not sufficient as has already been addressed. →

Name BARBARA JARVIS

Address 5631A Hauaala Rd Kapaa HI 96746

Street Address

City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

1-37

EX28 (cont.)

by many of the speakers, and in many other parts of the ~~United~~ country. This study should be done by a totally impartial panel.

Thank you for taking the time to listen to us.

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EX29

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

As a citizen of this country, and a resident of Hawaii, for 14 years, I feel this missile testing is too risky for its returns. It's time for our energies to collectively focus on peace - and it should be upheld right in our own neighborhoods and communities. ~~Now~~ Now is the time to save our planet, we've done too much damage already. Please listen to the voice of all the people who want to make a difference for our environment. The testing of the missiles here do not promote the care that we want for our Mother Earth. NO launching!

Name Robin Vost
Address 6015 Kolekole St. Kapaa, HI 96741
Street Address City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

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1-38

EX30

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

We want a safe, rocket free Hawaii. The chances of pollution of all kinds are not worth having STARs here

Name Dale Zinsfeld
Address POB #69 Kapaa HI 96741
Street Address City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

1

EX31

March 25, 1992

Deputy Commander
U.S. Army Strategic Defense Command
P.O. Box 1500
Huntsville, Alabama 35807-3801

Attention: CSSD-EN-V (D. R. Gallien)

Re: Strategic Target System Draft Environmental Impact Statement

Dear Sir:

A family whose breadwinner is out of a job, deeply in debt and learning to exist on unemployment benefits must quickly learn to prioritize spending. It is not difficult for them to separate their basic needs from luxuries and to spend accordingly in order to survive. We as a nation are like that family. We are in a recession with a record deficit and must learn to prioritize. We must learn to spend on only our most basic needs and not on luxuries that we cannot afford. STARS is such a luxury. It is as unnecessary as it is expensive. We are in peace, not war. The only nation that has the capability of long range missiles is now no longer an enemy but a friend. That nation is itself, according to a recent article in the Honolulu Advertiser, considering stopping all missile testing due to ozone depletion, which is a worldwide concern.

As to ozone depletion, we, here in Kauai, are already experiencing ozone depletion. We cannot afford to have it further depleted by STARS. It cannot be restored once it is depleted. We cannot subject ourselves to the danger such a depletion would engender to ourselves, our family and friends. Also, our tourist industry would cease exist if that happened, as our island would no longer be fit to live on, let alone visit.

The EIS does not address what would happen in the event of an accident. What are the measures that will be taken if a missile misfires or goes on an incorrect trajectory. What if it hits Niihau, or falls over a populated area of Kauai. The greatest casualties our nation suffered in Operation Desert Storm was from our own Patriot Missiles and the debris that fell on the barracks containing our men and women in the service of our country. This could be our island and our people here in Kauai and Niihau.

Lastly, although the Marshall Islands is not part of our nation, it is a friendly island nation that we have damaged and will continue to damage with STARS. They do not deserve this. They have treated us as friends, and we have repaid them with inhumane treatment and apartheid. If you have not seen the film "Home On The Range", please do so. It is a testament to our failure as a nation to respect another nation and its people. We take pride in our nation

EX31 (cont.)

Page 2
March 25, 1992

and feel we are compassionate people and follow the Golden Rule to treat other nations as we would be treated. Yet, here we are the bully, and as an American I am ashamed.

I ask that you consider these words and act accordingly, with good conscience, as to what is in the best interest, not only of our nation, but all nations on this planet earth.

Thank you for allowing me to share my concerns.

Sincerely,

Carmela Tuck
P.O. Box 276
Koloa, Kauai, HI 96756
(808) 742-9618

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1-39

EX32

March 25, 1992

To the STARS Program Manager,

I support the STARS Program at PMRF.

You have a Green Range sir, let's pick up
the count.

James O. Sullivan

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EX33

March 25, 1992

To the STARS Program Manager,

I support the STARS Program at PMRF.

You have a Green Range sir, let's pick up
the count.

Signature: *James O. Sullivan*

Print Name: JAMES O. SULLIVAN

1

EX34

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

1 WE do not need more depletion of Ozone due to these rockets over Hawaii.

WE do not need the military "hushing up" botched launches.

WE do not need the noise, debris, & lies brought here by the military.

There are too many people with asthma & skin cancer all ready on this island. Don't add to the list of ailments ^{due to the} by-products of these missiles.

DON'T RUIN KAWAII!!

NO MISSILES!!

Name Pat SHERROW RN

Address PO B 828 KAPAA HI 96746
Street Address City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

141

EX35

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

1 AS A FAMILY ON KAWAII I MUST look AT LONG TERM EFFECTS WE DO NOT WANT TO BE A GINE PG for the military who has tried ON SEVERAL OCCASIONS TO slip STARS by with out ~~letting~~ letting the public know.

Name P. Crawford

Address P. O BOX 1210 KAWAII HI 96746
Street Address City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

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EX36

STRATEGIC TARGET SYSTEM
PACIFIC MISSILE RANGE FACILITY

TESTIMONY
OF
WILLIAM T. HONJIYO

March 25, 1992

1-42

EX36 (cont.)

MARCH 25, 1992

MEMBERS OF THE PANEL, LADIES AND GENTLEMEN. MY NAME IS WILLIAM T. HONJIYO AND I REPRESENT MYSELF AS AN INDIVIDUAL. I WAS BORN AND RAISED HERE ON KAUAI AND CURRENTLY, I LIVE ON THE WESTSIDE, IN HANAPEPE. I AM A BUSINESSMAN AND FORMERLY A U.S. ARMY OFFICER WITH THE RANK OF LT. COLONEL. I AM A COMBAT VETERAN WHO HAS BEEN AWARDED THE SILVER STAR MEDAL FOR GALLANTRY IN ACTION, PLUS I HAVE NUMEROUS OTHER AWARDS FOR VALOR AND MERITORIOUS SERVICE. I DO QUALIFY AS A RESIDENT OF KAUAI AND A PATRIOT WHO BELIEVES IN THE IDEALS OF OUR COUNTRY.

FOR THE RECORD, I AM IN FAVOR OF THE STRATEGIC TARGET SYSTEM. I DO BELIEVE THAT OUR NATIONAL DEFENSE SHOULD ALWAYS BE "SECOND TO NONE."

I AM CONCERNED WHEN THERE IS AN ORGANIZED MOVEMENT OF PEOPLE AND MONEY FROM THE OUTSIDE TRYING TO NEGATIVELY INFLUENCE OUR NATIONAL DEFENSE AND THE LIVELIHOOD OF THOSE WHO ARE PRESENTLY GAINFULLY EMPLOYED WITH THE PACIFIC MISSILE RANGE FACILITY. THOSE TO WHOM I AM REFERRING, I WOULD SAY, "YOU ARE FORTUNATE FOR THERE WAS A STRONG MILITARY FORCE THAT FOUGHT FOR YOUR FREEDOM AND FREEDOM OF SPEECH. HAD THIS BEEN 30 YEARS AGO, YOUR ACTION MAY HAVE BEEN CONSTRUED TO BE SUBVERSIVE."

I HAVE READ THE DRAFT E.I.S. DATED FEBRUARY 1992 AND AGREE WITH THE FINDINGS THAT ANY IMPACT IS NOT CONSIDERED SIGNIFICANT. I DO BELIEVE THAT THE MILITARY HAS DONE AN EXCELLENT JOB IN PREPARING THE E.I.S. AND THAT WE SHOULD ACCEPT THE FINDINGS AS PRESENTED.

EX36 (cont.)

I BELIEVE IN A STRONG UNITED STATES OF AMERICA AND THE BENEFITS THAT THE STRATEGIC TARGET SYSTEM PROJECT WILL PROVIDE FOR OUR ECONOMY, NOT ONLY ON KAUAI, BUT FOR THE STATE OF HAWAII. THE ECONOMY OF KAUAI IS AT STAKE. A MILITARY POST OR STATION CANNOT SURVIVE WITHOUT A MISSION. LET US NOT FOOL OURSELVES. BASE CLOSURE NEEDS A SLIGHTEST REASON BECAUSE OF BUDGET CONSTRAINTS AND OTHER INSTALLATIONS READY TO TAKE ON THAT MISSION. WE NEED TO REALIZE OUR ECONOMY ON KAUAI NEEDS THE PACIFIC MISSILE RANGE WITH ITS ADDED MISSION.

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1-43

EX37

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I fully support the STARS program and feel that the EA + EIS addressed all environmental, health, socioeconomic impacts on Kauai.
Let's get on with doing our jobs!

1

Name Vida Massman
Address P.O. Box 42, Keolu, Kauai, Hawaii 96752
Street Address City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

EX38

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I support the Strategic EIS.

I think that the representation for the people of my Island "KAHA" is certainly being misrepresented when it comes to S.D.T. (Not Stars) - junk for Medicine. We who have been in the south Pacific during war realize that what is being put out on TV about the Stage Islanders is Hui when I was there in '43 they lived in grass huts and wore grass skirts and their life expectancy was 35 years not 47 to 60.

Name George J. Sutherland

Address P.O. Box 534 Hanalei HI 96716

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

144

EX39

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I support the STARS program. The EA was enough for me, the EIS makes it OK in my opinion. People who oppose the project are basically ANTI military, nothing more. They are making a big thing over nothing. There is nothing wrong with the STARS program. Lets go on with it.

Name RODNEY MOURA

Address 4259 KAANA ST. LIHUE, HI 96766

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

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EX40

Deputy Commander
U.S. Army Strategic Defense Command
Attn: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

P.O.B. 189
Anahola, Kaua'i
25 March, 1992

I attended the first round of hearings on the Army EIS last night not intending to speak, but after I went home ~~last night~~ I thought about what people on both "sides" (if you want to divide our community in that fashion; I do not) had to say. As someone who has had both friends and family in the service, and who probably would have enlisted had there been better jobs offered to women when I was of an age to sign up, I have always admired the military ideals of selfless dedication, courage and integrity. As a ten-year resident of Kaua'i, I also appreciate the contributions and concerns of my fellow-citizens who work at Pacific Missile Range Facility. I know that they are honest, intelligent people and good neighbors. I probably would support the STARS program if I felt that its elimination would imperil either our local economy or our national defense.

What I have learned from my study of the question, however, is that not even those who have the most to gain from implementation of this program completely agree as to its worth. I have heard disagreements between members of the armed services about a) the technology itself b) the consequences to PMRF and c) the long-term and wide-range effects of STARS on our national defense. Is it wise for ordinary citizens like myself uncritically to support a program that even the experts argue about?

This concern alone would be enough to convince me that you should not press forward at this time. Other matters, unaddressed by the present EIS, also prompt my disquietude.

I know enough about world history and current events to know the necessity of a strong defense and the precariousness of the present world situation. I also know, however, that no national defense can long shore up a society that is not in full possession of its moral faculties.

It has often been said that one measure of a nation's or of a culture's strength is its treatment of its weakest members. Pacific Basin cultures have a long and not very illustrious

EX40 (cont.)

history of ill-treatment of their weakest: ethnic minorities and untouchables in Japanese society, *kaua* in ancient Hawai'i, to name only two. Now we can add Pacific islanders, Micronesians and Hawaiians, to this sad company.

Does this have to be? Cannot we learn enough of the lessons of history to stop this? How can we defend our nation by trampling on the lives of its people? How can we secure the homes and families of Kaua'i's citizens by destroying those of Kwajelein's?

What I propose is that you postpone the STARS program until the grievances of this country's powerless ones have been healed. I also propose that the money, technology, and expertise presently allocated to STARS be redirected to help the people of Kwajelein regain their homes, and to help native Hawaiians on Kaua'i re-establish theirs. I have heard testimony from employees of PMRF who are experts in environmental science, engineering, and construction. Why not offer them jobs rebuilding Kwajelein, constructing homes for Hawaiians on crown lands presently used by PMRF, or restoring the Nohili marshlands to something like their prehistoric condition? Isn't any of these projects as great a moral, technical or intellectual challenge as STARS? Don't our people, our workers, deserve jobs worthy of their talents and skills, and don't our citizens, ALL our citizens, deserve the blessings of home and family? I ask that you re-consider allocation of our precious national resources to a program of questionable value to our national defense, and instead assign them to works that will unquestionably benefit those who most deserve their fellow-citizens' compassion and help.

Heu'ionalani M. Wyeth

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EX41

Nanette Slavin Kaaumoana
P.O. Box 279; Hanalei, HI 96714

March 24, 1992

Deputy Commander
U. S. Army Strategic Defense Command
Attention: CSSD-EN-V
Post Office Box 1500
Huntsville, Alabama 35807-3801

Dear Sir,

I am writing regarding the proposed STAR launches on the island of Kauai which is my home to urge you to seriously consider the no action alternative which would allow PMRF to continue its present operations and missions and would not impact our island adversely as will the proposed STARS deployment.

In my earlier communication to you and public testimony I urged the army to be as sensitive to the religious sensibilities of the native Hawaiian people as they were, then, toward the Islamic shrines in Iraq. Nohili Dunes is the jumping off place to Po, the afterlife in the Hawaiian cosmology, and the only such place on this island. The area is therefore sacred religiously and it is important both culturally and sociologically to the local Hawaiian community.

Almost one hundred years ago the United States, having economic use for these islands collaborated with a cadre of American business men and disenfranchised the majority of the local population, voted itself in and took over this sovereign land of many islands by bringing in the Marines and imprisoning the Queen. Fifty years ago (or thereabout) the U.S. took Kahoolawe for its' own to bomb at will for a test site. Now the government wants to take our island and put it at severe risk in order to "use" it.

We are tired of being used. The vast outpouring of vocal opposition has certainly been heard in Huntsville and in Washington. Yet, in a government of, by and for the people, the voices of the people directly impacted are being ignored. Unfortunately, I truly believe these initial proposed launches are only the beginning of a long term plan that will greatly enlarge the army presence on our small piece of land. I base this fear in part on a news article.

The Sunday March 8, 1992 edition of the Star-Bulletin & Advertiser informed us that "Hawaii may be one of seven states to host a Strategic Defense Initiative station if Pentagon advocates of the system get their way." The article continues: "For Hawaii, the plan would mean a land-or ship-based Star Wars installation, including a giant radar system, and possibly 100 rocket interceptors that could destroy incoming missiles, according to the

EX41 (cont.)

SDI Organization spokeswoman, Maj. Carolyn Channave. The plan calls for Hawaii's station, one of seven around the country, to begin operations between 1998 and 2002."

Hopefully this is a worst case scenario that will never occur but it is hard for us as citizens to believe that Major Channave's comments do not apply to PMRF. The actions of the U.S. government and the U.S. Army are unconscionable in planning to proceed with plans fraught with danger to the inhabitants and ecology of this island. I urge you to stop alienating the citizenry and start listening to it. The people of Kauai speak with almost a single voice and the voice is shouting NO. Please listen.

Sincerely,
Nanette Slavin Kaaumoana
Nanette Slavin Kaaumoana

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THE LEAGUE
OF WOMEN VOTERS
OF HAWAII

Testimony to the U.S. Army Strategic Defense Command
Lihue, Kauai, Hawaii, March 24, 1992

The League of Women Voters believes that natural resource management policy-makers must take into account the ramifications of their decisions on the nation as a whole as well as on other nations.

The League works to limit reliance on military force in international relations, and gives priority to reducing the risk of war through support of arms control measures. Further, the League avers that the defense budget that the public and our debt are supporting should reflect the astonishing changes in world security.

The League has studied arms control. Its resulting support of arms control has focused particularly on stopping the Strategic Defense Initiative missile defense plan. Although not opposed to all defensive weapons research, the League strongly opposes the program as contrary to the purpose and provisions of the 1972 U.S.-Soviet ABM Treaty. SDI is an extremely costly and destabilizing program that undermines the very essence of arms control.

The original 1983 vision of President Reagan of SDI's "rendering...nuclear weapons impotent and obsolete" has gone, as the limits of science and federal funding were revealed and program goals became clouded and controversial. Some, including the former Soviet Union, see the SDI as offensive. And even if SDI were feasible, research giving way to development and testing of related missile defense technologies abandons the ABM Treaty.

49 SOUTH HOTEL STREET, ROOM 314 • HONOLULU, HAWAII 96813 • PHONE: (808) 531-7448

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The League of Women Voters of Hawaii to U.S. Army, 3/24/92, p. 2

We of the League of Women Voters of Hawaii are particularly distressed that Hawaii has been used in SDI activity and may be further enmeshed for ten years through the proposed STARS program that may specifically negate the ABM Treaty. Defiance of the ABM Treaty will cost \$billions sought for weapons that violate it, as well as the safer world we seek. And now you want an SDI system installation in Hawaii.

The U.S. must reduce its readiness for and use of military force in international relations in this special moment of opportunity to de-escalate the world arms race.

If missiles, why space-based, which are far more expensive and more prone to disaster than ground-based systems like the Patriot? You know SDI has been nine years and \$30 billion of failures.

Since PMRF is on ceded Hawaiian land, and the nation of Hawaii was obliterated with an illegal U.S. military act, why not use the \$160 million not to put our island and our peace and health at risk, but to build homes for Hawaiians who are homeless and those that have been waiting for years--as a Centennial reparation?

Thank you.

Deborah Kimball

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EX43

SIERRA CLUB LEGAL DEFENSE FUND

TESTIMONY

PRESENTED BY: Sierra Club Legal Defense Fund
RECIPIENT: United States Army Strategic Defense Command
RE: Draft Environmental Impact Statement for the Strategic Target System
LOCATION: Lihue, Kauai
DATE: March 25, 1992

The Sierra Club Legal Defense Fund is a public interest, environmental law firm that is presenting testimony on behalf of the Sierra Club, 1000 Friends of Kauai and other environmental groups and concerned individuals. We are the attorneys of record for the environmental plaintiffs in the federal lawsuit concerning the Strategic Target System Program entitled Sierra Club v. Cheney (D. Haw. Civil No. 90-00761 DAE; 9th Cir. Docket No. 91-15978).

Our clients and others will present testimony to you on the many deficiencies in the Draft Environmental Impact Statement ("EIS") for the Strategic Target System ("STARS") dated February 1992. We urge you to consider these comments carefully, to recognize the inadequacy of this document, and to rethink the advisability of proceeding with your ill-conceived plan to launch STARS vehicles from the Island of Kauai.

Rather than repeat the comments of our clients and other interested citizens (which we fully endorse), our testimony will focus on two important legal issues regarding this Draft EIS and the overall EIS process. We encourage you to pay special attention to these comments because, if you do not, you risk an immediate judicial action against you in federal court.

Congress directed the Secretary of Defense and the United States Army (collectively "the Army") to prepare this EIS through a specific instruction in the Department of Defense Appropriations Act of 1992, Public Law No. 102-172 (approved on November 26, 1991). Specifically, Congress prohibited the Army from spending any further funds on the STARS program until an EIS has been issued "that complies with the requirements of the National Environmental Policy Act (42 U.S.C. §§ 4321, et seq.), and the Executive orders issued, and regulations promulgated to implement such act." See Section 8093A, Pub. Law No. 102-172, 105 Stat. 1150, 1196.

212 MERCHANT STREET, ROOM 202, HONOLULU, HAWAII 96813. TELEPHONE (808) 599-2436, FAX (808) 521-6841

EX43 (cont.)

Unfortunately, the Army now takes the position that, unlike all other EIS documents prepared under the National Environmental Policy Act ("NEPA"), the Final EIS for the STARS Program is completely immune from judicial review. According to the Army, this EIS is purely voluntary and gratuitous, and therefore cannot be challenged by any citizen in a judicial proceeding, even if the Final EIS violates NEPA. In taking this position, the Army ignores both the fact that this EIS is not truly "voluntary" (rather it was mandated by Congress) and the fact that Congress envisioned that the EIS be legally adequate and defensible under NEPA.

In essence, the Army is seriously misleading the public. On the one hand, the Army assures the public, the State of Hawaii and Congress that it is fully protecting their environmental, social and cultural concerns by doing a full EIS under NEPA. On the other hand, since the Army contends that this EIS will not have to undergo the rigorous scrutiny of judicial review contemplated by NEPA, the public's concerns and rights are not in fact being safeguarded in the manner prescribed by NEPA. This duplicity thoroughly undermines the STARS EIS process: the Army can violate (and is violating) NEPA by preparing a deficient EIS, but the Army asserts that no citizen can challenge or remedy these deficiencies through the legal process set up under NEPA.

In sum, the Army's position that this EIS cannot be challenged in a court torpedoes the credibility and integrity of the document. Your paternalistic "plantation owner" mentality ("trust us -- we will look out for your interest without any need for judicial review") is not only out-of-step with modern Hawaii, but it also defies the explicit commands of Congress. Finally, and perhaps most importantly, this novel position has not one shred of statutory or case law authority to support it. By taking this position, you are virtually inviting a lawsuit to preserve the rights of Hawaii's citizens to vindicate their important rights under our nation's environmental laws.

The second legal point we raise here relates to your obvious failure to discuss and analyze a full range of alternatives to the launching of rockets from Kauai, as required by NEPA. Unfortunately, in its Draft EIS, the Army chose to limit its discussion of alternatives to consideration of the "no action" alternative and to alternative launch sites.

The proposed STARS program, which integrates retired booster motors and a substantial number of newly developed subsystems, has not been tested and is currently in the experimental stage. The Polaris booster motors -- currently being proposed for use in the STARS Program -- are over 20 years old and exhibit characteristics typical of aging solid propellant motors. Aging may increase the likelihood of malfunctioning launches and accidents, thereby posing significant risks to

EX43 (cont.)

public health and safety. Testing and design reviews conducted by Sandia National Laboratories and Propellant Analysis Laboratory at Hill Air Force Base indicate that first- and second-stage booster motors showed significant signs of deterioration. Failure rate among the first-stage booster motors could be as high as 50 percent, due to deterioration of motor cases.

One of the alternatives that had previously been considered by the Army but was not included in the Draft EIS was the substitution of new or remanufactured booster motors for refurbished surplus Polaris A3 motors, which are currently proposed. This omission is a serious one, and we strongly recommend that the Army include all reasonable alternatives in its Final EIS, as required by NEPA.

Thank you for this opportunity to present testimony on the Draft EIS for the STARS Program. Please feel free to contact us if we can be of any further assistance.

EX44

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

PLEASE CLARIFY:

ONCE THE FINAL EIS HAS BEEN SUBMITTED,
AND THE WAITING PERIOD HAS PASSED, WHO
MAKES THE FINAL DECISION TO PROCEED OR NOT.

1

Name

STEVE HANSEN

Address

Street Address

City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

EX45

COUNTY COUNCIL

RONALD KOUCHI, CHAIR
RANDAL G.B. VALENCIANO, VICE CHAIR
BILL KAPO ASING
MARINE CORREA
JESSE FUKUSHIMA
MAURICE MUNECHIKA
JAMES TEHADA



4396 RICE STREET, SUITE 206
LIHUE, KAUAI, HI 96766-1399

OFFICE OF THE COUNTY CLERK

JEROME Y.K. HEW, County Clerk
C. BUNJI SHIMOMURA, Deputy Clerk

PH. (808) 245-4771
FAX PH. (808) 245-5689

March 25, 1992

United States Army:

My name is Ronald Kouchi, member and Chairman of the Kauai County Council, and I would like to thank the U.S. Army for pursuing an EIS for this project.

The County Council recently submitted a letter, which was signed by myself as well as the other councilmembers, to Hawaii's Congressional Delegation in support of the continued use of PMRF as a viable and strategic military training facility.

Further, the County Council will be providing testimony in support of a proposed State Resolution on Friday, March 27, 1992, urging the President and Secretary of Defense to maintain PMRF as the United States' foremost missile range facility and requesting Hawaii's Congressional Delegation to do everything in their power to preserve the integrity and capability of PMRF.

As indicated above, I remain committed to support the continued viability of PMRF.

Sincerely,

RONALD KOUCHI
Council Chair

RW/ao

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EX46

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

THIS SHOULD NOT BE
DONE!!!!!!
LIFE
+

1

Name MARC KUNZE
Address PO BOX 1174 KALAEHO KAUAI HI
Street Address City/State/Zip Code 96741

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

EX47

My family has been living on Kauai for 4 generations - 5 generations if you count my children. I am a Vietnam Era Veteran who served in Southeast Asia from August 1967 to August 1968 with the U. S. Air Force. I joined the Hawaii Air National Guard in October 1969 and presently serve as commander of one of the Hawaii Air National Guard units on Kauai.

As the senior ranking member of the Hawaii National Guard on the island of Kauai and a representative of all National Guard units on Kauai, the State of Hawaii and across the Nation, we acknowledge the outstanding work done by the Pacific Missile Range Facility at Barking Sands; and the outstanding support we get as members of the National Guard from all those who work at the P.M.R.F.

THANK YOU VERY MUCH!

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1-51

EX48

It's hard to hit a moving target but that's exactly what Stars Wars promises to do. I submit that the moving target is not incoming ballistic missiles but the ever changing goals of the Star Wars program itself.

Almost nine years ago to this date, on March 23 1983, Ronald Reagan described his vision of "intercepting and destroying strategic ballistic missiles before they reached our own soil. \$30 billion later, there's evidence that the Strategic Defense Initiative Office, saw the flaws all along--and knowingly masked the program's failures and oversat its progress just to keep the money rolling in.

Aldric Saucier, chief scientist for Advanced Technology, ^{since 1983} concludes that Star Wars will never provide an impenetrable umbrella against nuclear missiles. Immediately after testifying before a senate subcommittee about gross mismanagement in SDIO Saucier was fired and then reinstated pending an investigation of his charges.

Defense Department advisers such as physicist Richard Garwin of IBM have pointed out that a perfect nuclear shield defied the laws of physics. Claims for SDI, says physicist Theodore Postol of MIT, have "proven to be false and made without technical or scientific merit."

Quietly, secretly, SDI did what might charitably be called "evolve." SDI lowered its sights in 1987 to discourage, not block, a massive Soviet missile attack. SDI switched course again in 1990 with the introduction of Brilliant Pebbles. In 1991, SDIO conceded that Pebbles could protect America only against limited ballistic-missile attacks. Changing goals as it went along was central to what Saucier calls the main point of SDI: "to keep the research-and-development money flowing." That required secrecy. "If you keep all the technical data under wraps its easy to keep it funded."

After nine years and 30 billion dollars the Star Wars defense effort has "evolved" from providing an impenetrable defense umbrella into a bloated military pork barrel. Star Wars is nothing more than an expensive welfare program for the military/industrial complex. Let's get these people off the taxpayer's dole and put them to work doing something more productive than oppressing our brothers and sisters in the Marshall Islands.

Ed Coll

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EX48 (cont.)

"I'VE BEEN SPIT ON BY SENIOR ARMY OFFICERS, SHAVED UP AGAINST A WALL, AND ELBOWED IN THE HEAD & THE NECK SO HARD THAT I HAD TO GET MEDICAL TREATMENT." SACUIER SAID IN AN INTERVIEW LAST FRIDAY. THIS IS THE TREATMENT AFFORDED AN AMERICAN CITIZEN WHO DARES TO SPEAK AGAINST THE MILITARY/INDUSTRIAL COMPLEX. THEY SAY HE IS INCOMPETENT. IF IT TOOK 8 YEARS TO FIND THIS OUT WHO IS INCOMPETENT?

1-52

EX49

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

QUESTION: WHY CAN'T THE BEACH
ACCESS ISSUE BE MITIGATED BY SELECTING
LATE NIGHT / EARLY MORNING LAUNCH
WINDOWS?

1

Name RICHARD IRWIN

Address 3441 AEO ST KALAMCO 96741

Street Address

City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

EX50

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

My Name is Ginger Lu Ruiz. I'm a resident of Kauai ~~the island~~ ^{at PMRF} returned to the Island 4 days ago to see some disappointing news. Kauai has changed so much and yet they want to change it more. Hundreds of my family and friends work there and I don't want them to end up like a lot of the Honolulu because the Island last night I was very ^{scared} ~~scared~~ to walk out of here by myself, just to have a cigarette without the thought of one of the ~~parties~~ ^{parties} would ~~start something~~ ^{start something} because I'm a supporter of the Pacific Missile Range Facility we all should work together as a chain and not against each other. What are we going to do, all join hands and catch the foreign missile when they come or are we going to let the military defend us? I protest now. Do you know why your missile base on the North side of the Island of Kauai? Cause they couldn't find ^{3 case men} ~~base men~~.

Name Ginger Lu D. Ruiz

Address PO Box 1114 Kekaha, KAUAI HI 96152

Street Address

City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:

Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

1-53

EX51

I am D.M. Rita of Kekaha.

I am not here to talk at Lt. Col. Manguso of the United States Army. I am here to tell you OPEN YOUR EYES!

There are many pressing issues we need to confront NOW!

EDUCATION:

STOP gang violence and drugs in the schools!
STOP crime on the street!

HO! MANY SCIENTISTS VISIT KAUAI TO NEVER LEAVE ALIVE.
How about our friends and neighbors killed every day.

How about birth defects.

STOP drug abuse and illegal chemical spills. ^{Rime} Corporate
BIG BUSINESS, HUH!

FEED our hungry. stop foreign aid! ^{For the poor} ~~For the poor~~ ^{Don't take} ~~Don't take~~

Save the environment.

The major cause for extinction in any environment, ^{use it to build up the reef} ~~use it to build up the reef~~ is loss of habitat. KANEHOE BAY on Oahu, for example. In five to ten years time the entire reef habitat was destroyed by runoff from construction and development. BIG BUSINESS AGAIN! Is Hanalei Bay next???

Protect the ^{atmosphere} ~~atmosphere~~

Get rid of all cars, get on a bicycle or walk. These are things that need to be confronted NOW!

My family is an Army Family touched by many wars including Vietnam and Desert Storm, and we are proud of our Country, so don't knock the military who has gone to war and protected our freedom of speech. Don't knock the Stars Program that is trying to save lives by stopping nuclear warheads before they destroy us.

Instead of wasting precious time in conflict with each other, let us join together to stop the worst killer of all. As I speak now, how many people will die of AIDS? STOP AIDS NOW!

Pacific Missile Range Facility has been on Kauai for 28 years with no major mishaps. How do we know if any mishaps will occur in the future? Take care of priority problems. ^{they} ~~they~~ don't create problems for tomorrow! Let's proceed ONE STEP AT A TIME - Don't guess at the future ... TAKE CARE OF NOW!

I support the military at PMRF and I support STARS!

LIVE LONG AND PROSPER!!!

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FROM PAUL HAYDEN ASSOC

3.25.1992 10:18

P. 2

I'm Joni Riley. I'm familiar w/ STAR WARS project because my father Frank Riley was chief engineer at Lockheed specifically for comments on Draft EIS for the STARS Program STAR WARS

by Lt. Col. Robert M. Bowman, Ph.D., USAF, ret.

The Draft EIS has identified numerous significant impacts of the STARS program and a number of serious hazards. It lists actions to be taken to mitigate the effects and minimize the risks.

What is absolutely clear, however, is that some impacts and risks remain. The document does not quantify the reliability of the Polaris first stage, for example, but we know it's not 100%. Previous Army claims of 97%, even if believed, would still result in a 70% probability of at least one catastrophic failure in the planned 40 launches.

You simply cannot carry on such activities in such a unique and ecologically sensitive location without serious impact.

The document also makes it clear that these impacts are totally unnecessary. The DEIS concludes that the "Do Nothing Alternative" would be far preferable from an environmental perspective. It turns out that this alternative would also be far preferable from a national security perspective. For over a decade I have opposed "Star Wars" and the SDI program which grew out of it because they made nuclear war more likely.

"Star Wars" is still isolating us from the world community of nations, reinforcing our image as world bully, and draining resources and brainpower from the civilian space program and commercial high-tech industry. And it still has no legitimate mission.

Global Protection Against Limited Strikes (GPALS) can do nothing to protect the people of the United States from nuclear terrorism. If I was an international terrorist, and I finally got hold of a bomb, the last thing I would do would be to start a 15-year development program to build an Inter-Continental Ballistic Missile to deliver it. I would just float it up the Potomac on a barge, or to Waikiki on an outrigger, or to any weapons do nothing to neutralize such threats. But the politicians and bureaucrats running the program, spurred on by the contractors who profit from it, are continuing anyway.

1-54

PAUL HAYDEN ASSOC

3.25.1992 10:18

P. 3

One of the ironies of all this is that they don't need to use Kauai. There are many other ways to put those STARS payloads into the proper trajectory if they insist on continuing the program.

One of the great failings of the Draft EIS is its failure to seriously address many of the other alternatives.

In particular, it is shocking to see the floating barge, fixed ocean platform, and Mintzen III from Vandenberg options eliminated because of treaty considerations.

Do the writers of this DEIS really expect us to believe that if the island of Kauai didn't exist, that there would be no STARS program, because no other alternative is even possible and worth evaluating? This glaring falsehood calls into question everything else in the document. In the old days in the Pentagon, we had a description for a study like this one: "an exercise you go through to justify a decision already made on political grounds." Nothing has changed in the last two decades.

The people of Kauai are not holding up GPALS or the STARS program. They're just asking that it be done some other way that doesn't endanger their lives, their culture, their environment, and their livelihood. It is I who say, "Don't do it at all." Don't endanger this precious island for a suicidal, dangerous, insane (SDI) program that we in the military don't need.

Lt. Col. Robert M. Bowman, Ph.D., is President of the Institute for Space and Security Studies in Melbourne Beach, Florida. From 1976 to 1978 he directed the "Star Wars" programs under Presidents Ford and Carter, when their existence was secret. His military career took him to 34 countries, and included 101 combat missions in Vietnam. His PhD is in Aeronautics and Nuclear Engineering from Cal Tech.

ISSS, 5115 S. A1A Hwy., Melbourne Beach, FL 32951; (407) 952-0600

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11-11-1992

EX53 ALOHA, I AM LINDA CHIAOLETTI, ONE OF THE FOUNDERS OF HUI HO'O MA'UKI KA AINA. I LIVE IN WAINIHA LESS THAN 20 MILES, AS THE CROW FLIES, FROM MANA. I THANK GOD THAT I LIVE ON THIS BEAUTIFUL ISLAND AND LATELY HAVE HAD SPECIAL REASONS TO THANK HIM FOR THIS BEING PART OF A DEMOCRACY WHERE CITIZEN INPUT IS AT LEAST CONSIDERED. I LIVED IN MOROCCO FOR THREE YEARS WHEN THAT COUNTRY WAS FIGHTING FOR INDEPENDANCE FROM FRANCE. I LIVED IN INDIA FOR TWO YEARS SHORTLY AFTER INDEPENDANCE FROM ENGLAND WAS WON, I LIVED IN IRAN IN THE LAST DAYS OF THE SHAH. MY MOTHER, MY FATHER, AND MY BROTHER ALL WORKED IN KWAZALEN AND BOTH OF MY DAUGHTERS WEAR COMBAT BOOTS - ONE IS A SERGEANT IN THE ARMY, THE OTHER IS A SERGEANT IN THE AIR FORCE. THESE THINGS HAVE ALL HAD A PART IN SHAPING MY SPECIAL MANA'O. I AM OPPOSED TO THE STARS PROGRAM FOR ALL OF THE REASONS CITED IN THE LAST TWO DAYS + NIGHTS. THE ONLY ARGUMENTS I'VE HEARD FOR STARS HAVE BEEN DEFENCE AND JOBS. THE DEFENCE ARGUMENT HAS AS MANY HOLES IN IT AS OUR SKIN WOULD GAIN IF THIS PROGRAM WERE TO PROCEED. THE MILITARY, GIVEN FREE REIN, COULD WELL PROTECT US RIGHT OUT OF A HABITABLE PLANET. AS A PERSON WHO ALMOST NEVER DRINKS ALCOHOL, THE DAILY ^{GOOD} REASON I'VE ENCOUNTERED FOR BECOMING AN ALCOHOLIC, IS HAVING TO LIVE IN THE DEPLOABLE AND BELIEVE, HOW ELSE BUT DRUGGED COULD A PERSON ENDURE THAT MISERABLE EXISTANCE?

EX53 (cont.) THE STARS PROPOSALS WERE SEEM CLEAR CUT AND CONVINCED OF THE RIGHTNESS OF THEIR CLAIMS FOR DEFENCE AND JOBS, BUT THERE ARE GOOD REASONS WHY MERE HUMANS SHOULD NOT HAVE GOD-LIKE POWERS OF DESTRUCTION, AND THE NUMBER OF JOBS CREATED DOES NOT JUSTIFY THIS PROGRAM. PEOPLE ARE ONLY PEOPLE, AND I KNOW YOU'VE ALL WORKED AT SOME TIME WITH SOMEONE WITH THE SLOWED REACTIONS OF A COLO, OR HANG-OVER, OR THE DISTRACTION OF A FIGHT WITH A SPOUSE, OR THE WORRY OF A SICK CHILD. THESE VERY HUMAN CONDITIONS COULD, WHEN SPLIT SECONDS COUNT, AS IN A WORST CASE SCENARIO, SPELL DOOM FOR KAWAI. SINCE THERE ARE CLEAR FLAWS IN THE DEFENCE THEORY, AND ^{SINCE THE} EIGHTY PER CENT OF KAWAI'S INCOME THAT IS TOURIST ORIENTED WOULD BE SEEN, ON THAT BASIS ALONE THE ARGUMENT FOR STARS IS OUTWEIGHED BY THE ARGUMENT AGAINST STARS.

AS FOR THE EIS, I AM CONCERNED STILL ABOUT OVER-ROAD TRANSPORT OF LIQUID FUELS, SINCE THE ALTERNATIVE MAY NOT ALWAYS BE FEASIBLE IN BAD WEATHER. ARE YOU PLANNING ON CLOSING OUR ROADS OR JUST TAKING YOUR CHANCE WITH OUR POTHOLES AND CONFUSED TOURISTS HOPING NEITHER WILL BE IN THE WRONG PLACE AT THE WRONG TIME? AND OF COURSE YOU HAVE A "FLIGHT TERMINATION SYSTEM" AND AN ESTABLISHED GROUND HAZARD AREA AND FLIGHT SAFETY ZONE. DO YOU PROTECT THE PUBLIC FROM DEBRIS IN THE EVENT OF A FLIGHT TERMINATION, BUT THAT PRESUMABLE FLIGHTS MIGHT HAVE TO BE TERMINATED AND

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EX53 (cont.)

IS THERE
 WHAT GUARANTEE IF A FLIGHT HAS GONE WRONG, THAT
 IT WILL BE OVER THAT GROUND HAZARD AREA AND
 IN THAT FLIGHT SAFETY CORRIDOR? IT SEEMS OBVIOUS
 THAT IF A FLIGHT NEEDS TERMINATING THAT IT
 MIGHT VERY WELL BE BECAUSE IT WAS HEADED IN
 THE WRONG DIRECTION AND WOULD NOT, THEREFORE,
 BE WHERE IT WAS SUPPOSED TO BE WHEN BEING
 TERMINATED, SO WHAT OR WHO ELSE MIGHT ALSO
 BE TERMINATED AT THAT POINT? THIS IS A SMALL
 ISLAND AND IN FAR TOO DELICATE A BALANCE TO
 WITHSTAND SUCH IRRESPONSIBLE MAN-HANDLING,
 I, TOO, URGE YOU TO ALLOW PMRF TO CONTINUE
 ITS PRESENT PROGRAMS AND TO DECIDE IN
 FAVOR OF THE NO ACTION ALTERNATIVE.

MAHALO.

1-56

EX54

McGehee ①

*Other important
 issues regarding
 the cultural
 and so*

Dr. Dorothea McGehee - Asst. Prof. UH - Hono
 • w/ a research team and cert of Dept. of Health
 to identify impact cultural resources to carry
 for preservation of Hawaiian religious centers, ponds
 • am a consultant to the Kala Spanglet EIS

ES does not conform to NEPA standards *spiritual and subsistence*
 • Remind you that native Hawaiian cultural practices are provided by the Bi-Partisan Commission
 Article XII, sec 7. / HRS Chapter 7-1 /
 Chapter 174C-101
 Will assist in writing - my not get any *with* list of deficiencies
 deficiencies are *steps in mobile condition*

1. Water resources - how much water will be consumed for *water rights*
 where will it come from, *what is impact on use of water for settlement*
 of *OH* how *handstand up market*
2. native plant species - not include *seaweed*
and bird subsistence
3. wildlife not include types of fish *and corals*
 and impact on subsistence fish *90% of the*
 Hawaiian fish of PMRF. *Pristine ocean.*
 Native fish species which allow *some* the produce when
 Oahu too rough Oahu than Maui.
Shaded fish like to Aquel High Spanglet.
 of the sea deep ocean for April
 to Spanglet - *very severe impact.*

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EX54 (cont.)

Mc Gyege ③

4. April to Sept. coincide w/ not same for
~~the same year~~ sea levels produced and the Endangered Species Act May through August
5. Also coincide w/ busy season for Donald's Shrimps.
 In Caribbean Venezuela is restricted for Shelly
 Culebra when the ~~the~~ ~~substantive~~ ~~then~~ are nearby.
 Perhaps some ~~act~~ should involve alternative
 journal would be to restrict ~~land~~ for April
 July Sept.
6. Chain of cultural Impact of subsistence fish
 is disrupted: 'Ohama sky network disrupted
 reduce ~~source~~ of living / diet
 impact ability to hold family units/
 its traditions, baby clinics
7. Cultural Impact - not confine to National Historic Preserve
 Act - no delimitate made. ~~the~~ should include sites
 in populated coastal zone. Should give maps of
 sites to assess. Refer to study by Flores
 & Kaul - request study so can assess of capabilities.
 - Impact on dry burial is ~~for~~ significant
 impact on ~~land~~, shells, fish shells,
 irrevocable.
 - Potable Dune is sacred / seen a Ka'ho'ho / Lohia

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EX54 (cont.)

Mc Gyege ③

- need ~~prize~~ ~~land~~.
 - Make a request to the Land.
- Don W / Protect Kaloohi'Okua - The Ohama opposes
 the SRRES - further reason as we would
 of 15 years to stop body of Kaloohi'Okua.
Sacred lands should not be addressed for
 destruction military purpose
8. Land Use - impact on settlement of DHAHL lands
 Says have upon Dec 1993. 21,000 a
 weekly list. Time now, to settle land.
 Hawaii few will not be able to settle
 Waikiki is an ideal area to resettle given
 that it is an entire ~~abundance~~ intact.
 9. No social / community Impact Assesst
 - what kind of new jobs?
 - how many new people to ~~come in~~ - new social tensions
 - ~~But~~ that base want closer if don't have
 SRRES especially since just lost Kaho'ho land,
 Subia, Clark.
 10. No assesst of impact on Ni'ihau / Kauai, Lehua
 11. Impact health of great resources of ~~an~~ if an accident
 11. Does not ~~propose~~ assess Impacts w/ Differt Scenarios.
 1. if Hawaii Home lands settled
 2. if ceded lands, change use
 3. if ceded lands & DHAHL lands are included as part of a
~~successor~~ Hawaii land base.

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EX55

INTRODUCTION:

MY NAME IS LARRY AIWOHI

I AM A RETIRED U.S. AIR FORCE RADAR REPAIR TECHNICIAN

I AM ALSO A DISABLED VETERAN AND A MEMBER OF CHAPTER 5 OF THE DAV
MY LAST ASSIGNMENT, WAS WITH THE 3208 TECH/FACILITY TEST GROUP

3208 TEST SQUADRON, AC&W, GC1 (AIRCRAFT CONTROL & WARNING-GROUND
CONTROL) APPROACH. AFSC 30352C

THIS SQDN. WAS PART OF THE ARDC, AIR RESEARCH & DEVELOPMENT COMMAND
OUR MISSION WAS PRIMARILY RANGE CONTROL AND SUPPORT FOR THE VARIOUS
TEST WITH SUCH WEAPON SYSTEMS AS THE IM-99A&B "BOMARC" MISSILE; THE
GREEN QUAIL MISSILE; HOUND DOG MISSILE; THE VULCAN ELECTRONIC GATLIN GUN
AS WELL AS SUPPORT TEST WITH THE ARMY NIKE AJAX & HERCULES ANTI-AIRCRAFT
MISSILES. I AM THEREFORE WELL AQUAINTED WITH ELECTRONIC WEAPON SYSTEMS.

AFTER LISTENING TO LAST NIGHT'S TESTIMONIES I WOULD LIKE TO MAKE THE
FOLLOWING COMMENTS, AND RESERVE THE RIGHT TO MAKE MORE EXTENSIVE STATEMENTS
COVERING A HOST OF TOPICS WHICH ARE GERMAIN TO THE ISSUES AT HAND, BUT
BECAUSE OF THE PARAMETERS OF TIME LIMITATIONS OF THREE (3) MINUTES, I WOULD
LIKE TO ADDRESS MY CONCERNS IN LETTER FORM BEFORE THE APRIL 13 DEADLINE

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EX55 (cont.)

-2.-

VETERANS FEELINGS AND ATTITUDES:

ALTHOUGH I DO NOT SPEAK OFFICIALLY FOR THE VETERANS AND DISABLED VETERANS
OF KAUAI, I KNOW ~~FOR~~ THOROUGHLY SUPPORTIVE OF THE MISSIONS PERFORMED BY THE
TECHNICIANS AND AERO-SCIENTISTS INVOLVED WITH THE SDI PROGRAM CONDUCTED @
PMRF, AS WELL AS, THE OTHER TEST LAUNCHES AND DEFENSIVE EXERCISES IN THE TEST
AREAS ADJACENT TO THE BASE. THESE VETERANS HAVE SERVED THEIR COUNTRY LOYALLY,
AND GAVE OF THEMSELVES WHEN CALLED TO ARMS. SOME OF THEIR COMRADES GAVE THE
ULTIMATE SACRIFICE....THEIR LIVES!

THEIR DREAMS AND HOPES WERE THAT THEIR CHILDREN, AND THEIR CHILDREN'S
CHILDREN WOULD BE ALLOWED TO LIVE FREE FROM WARS, AND THE THREAT OF WARS.
HOWEVER, BECAUSE OF THE VARIOUS AVARICES AND VICES INNATE IN THE CHARACTER
OF MAN, THIS HAS NOT HAPPENED IN THIS CENTURY. THEREFORE, IT HIS OUR HOPE
THAT OUR COUNTRY'S SCIENTIST RESEARCH AND DEVELOPMENT TECHNOLOGY WILL
CONTINUE TO GO FORWARD AND DEVELOP NEW HIGH TECH WEAPON SYSTEMS THAT WOULD
PERHAPS BECOME A FORMIDABLE DETERRENT AND AN UNSURMOUNTABLE BARRIER THAT
WILL FINALLY GIVE SOME FORM OF A GUARANTEE THAT CAN GIVE OUR DESENDANTS
THE OPPROTUNITY LIVE IN PEACEFUL TRANQUILITY, AND PURSUE HAPPIER FUTURES —
FREE FROM THE THREATS OF WAR, AND THE FEAR THAT SOME NATION THAT IS CONTROLLED
BY SOME NEO-HITLER LEADER WOULD LAUNCH A NUCLEAR HOLOCAUST UPON THIS NATION!

ANYONE WHO PRESENTLY BELIEVES THAT THERE ARE NO SUCH MONSTERS AS SUCH, IN
THIS WORLD ARE NOT PRAGMATIC, NOR ARE ~~THEY~~ PAYING MUCH ATTENTION TO CURRENT
WORLD EVENTS THAT UNDER-SCORE THE FANATICAL PERSONALITIES OF: KIM IL SUNG,
HIS SON AND SUCCESSOR KIM JUNG IL, MOMAR KADAFI, AND THE INFAMOUS SADA:
HUSSEIN.

1-58

THE PATRIOT VS SCUD MISSILE: *The Gulf War of 1991*

YOU HEARD TESTIMONY LAST NIGHT GIVEN BY ONE OF OUR LEADING COUNTY ADMINISTRATORS IN WHICH ^{*this person*} SHE QUOTED THE FIGURES THAT THE PATRIOT MISSILE WAS ONLY EFFECTIVE 50% OF THE TIME, BUT THIS FIGURE MASKS CERTAIN FACTS THAT SHOULD ^{*have*} BE BROUGHT TO LIGHT:

1. THE PATRIOT WAS STILL IN THE PRELIMINARY STAGES OF RESEARCH & DEVELOPMENT, AND WAS THEREFORE NOT READY TO ^{*be*} PLACED INTO THE OPERATIONAL PHASE, BUT BECAUSE OF NECESSITY AND URGENCY OF THE SITUATION, IT WAS PLACED INTO THIS PHASE ANYWAY!
2. THIS FACT UNDERSCORES THE FACT THAT MORE TESTING, MORE REFINEMENT, OR IN OTHER WORDS, MORE RESEARCH AND DEVELOPMENT WAS AND IS NEEDED, AFTER WHICH ALL CRITICS WOULD OR SHOULD BE SILENCED. THIS IN ESSENCE ONLY STRENGTHENS THE CASE FOR SUPPORTING THE SDI R & D PROGRAM AT PMRF. I DO NOT BELIEVE THE OPPONENTS CAN ARGUE THAT WE NEED TO BE PROTECTED AGAINST THE POSSIBILITY OF AERIAL ATTACK BY EITHER ICBMs OR IRBM MISSILES.....WE NEED A THIS PROTECTIVE UMBRELLA THAT THE SDI PROGRAM WILL EVENTUALLY MAKE AVAILABLE.

3. GIVEN THE FACT THAT THE PATRIOT WAS NOT ACTUALLY READY TO GO TO WAR IN THE PERSIAN GULF LAST YEAR, BUT WAS STILL ABLE TO ^{*GO*} INTO SERVICE AND PREVENT MORE LOSS OF LIVES THEN NOT PUTTING IT INTO OPERATIONAL USE. BECAUSE OF THIS SCORE-RECORD PRES. BUSH WENT TO THE FACTORY THAT PRODUCED THESE ANTI-MISSILE MISSILE WHERE HE FORMALLY THANKED THE WORKERS THAT PRODUCED THEM.

^{*4. R&D development in the Hi Tech field*} THEREFORE, PLEASE PUT LITTLE TO NO CREDENCE IN WHAT ^{*made it possible for a quick end of the Persian Gulf war. low death rate.*} SHE CONTENDED IN HER ^{*the testimony*} TESTIMONY. I PROMISE TO EXPAND AND ELABORATE ON MORE SUCH ITEMS IN HER REPORTED "FACTS."SUFFICE IT TO SAY, IT WAS PERMEATED MISLEADING FACTS THAT CAN BE DISCOUNTED AS "MALE BOVINE FECAL MATERIAL", OR SIMPLY B.S..

IN CLOSING I WOULD LIKE TO THANK YOU FOR KIND ATTENTION, AND FOR ALLOWING US TO INTERFACE AND RENDER SUPPORTIVE TESTIMONY.

I WOULD LIKE TO END THIS WITH TWO WELL-WORN AND FREQUENTLY USED EXPRESSIONS FROM TWO WARRIOR LEADERS:

1. "DAMN THE TORPEDOS, FULL SPEED AHEAD"
2. "IMUA E NAKOA...INU I KA WAI AWA AWA!" KAMEHAMEHA THE GREAT, AT THE BATTLE OF KEPANI WAI, MAUI, CIRCA 1793.

hearing testimony re Stars, 3/25/72

I'm Suzanne Marinelli Chair of the Kawai Sierra Club. I'm also the Pacific vice president of the National Sierra Club, whose membership numbers about 650,000. Our national policy opposes space-based weaponry of all forms, including Star Wars in all its aspects. Lt. Col. Manguso, Mr. Gallen, & Mr. Michaelson, Aloha.

For the better part of the last 2 years, we've sat across many tables from one another. We've gotten to know, & usually like, one another. I'd like to share a couple of observations from this process we've shared.

For the most part, your people have been gentlemen, all the way through.

I'd like to say thank you for that, and add a personal aside that if you had more ladies working with you, I think you'd get a lot more done more efficiently & well, & with a lot less money.

There's another thing.

In the months our people have gone about rewriting the Stars program, we've operated in nearly complete freedom. We've come & gone among our legislators, engaged the media, spoken our opinions loud & clear, whenever & whenever we've chosen. We are the freest people on earth.

Our armed services protect these priceless freedoms, whether we wish it or not. So I'd like to thank you from my heart for the true protection your

organization provides us. We are grateful.

Humans are an aggressive species. Until this changes, we will have the military. We human beings expend half our global resources, half the world's economy, half our earning lives, on militarism & war, even when there is no war.

Thus I choose to see the military as a deadly vital resource more in need of conservation than any other, more in need of ceaseless vigilance from its employers. That's us - human beings.

We as people have our failings, and yet we're a wonderful species, too. We are worthy of the best that you can give us.

We want a lot in exchange for half our lives - we want our money's worth.

We want a military that isn't a wasteful drain on the only resources this earth will ever have to offer us. We want programs that work, not fail; provide true safety and not increased endangerment. We want you to take a long hard look at the \$50 billion dollars the United States will spend this year on militarism, and explain to me with straight faces why we are not protected enough already if we are not, then the military has not been doing its job, & urgently needs to come under quality review, from the originators of its programs on down.

EX56 (cont.)

Take your Stars program away & bury it.
Turn away from assailing the home of
Kwajalein's 10,000 suffering people, whom even the
rains have deserted now.

Turn away from Kauai with your exploding
antiques & rockets, your mislabeled poisons,
your inconsiderations for the living & the dead, the
plentiful and rare.

Turn away, Gus & Randy. While we may care
for you, we do not want your program here.

(Suzanne Marnelli)

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EX57

My name is Vernon Kalaukahili White, a resident of Anahola, Kauai
for 42 years. Born Kekaha, Kauai, and my Hawaiian come from Jame K. Keao
grandfather and Annie Kane of Maui.

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The Strategic Target System Project should remain open because of
two incidents that I can recall in my 64 years on Kauai except 5 years
in the Army Air Corp., in 1945 to 1949. Our National Defense is most
needed for a nation such as the United States even though our Congress
wants to cut the National Defense Budget. Mana Air Base and Strategic
Target System not should, but must, remain open because this base is
one of many Strategic Commands that must remain open because of the
needs to protect our nation, as Pearl Harbor and Schofield on Oahu is
needed like Mana Air and Strategic Command is needed.

No. 1 Incident:

During the Desert Storm encounter there were lots of comment-who
should go to war? First was women to be included or only men? And
why should we fight for oil or why should we protect Kuwait - but
by this war one wondered and saw how National Defense is needed and the
weapons used.

As I grew up on Kauai and Hawaii and can remember my youth when
Mana Airport was open to Hawaiian Airlines as the first air transportation
for big C47 type propeller aircraft with smaller planes from Port Allen,
Kauai. Mana or Barking Sands Base has always being used as transportation
and airport for our Hawaii National Guard planes and at one time training
area for our military. Now the local military train in Hawaii and parts
of the United States, even overseas. These missiles must remain on
Kauai not only for economic purposes but for defense for the State of
Hawaii. The area is available and as a veteran, defense is needed to
protect even the people against everything. Desert Storm has shown how
the missile works and in our minds, we should support the Strategic
Target System because of common sense to National Defense and value of

EX57 (cont.)

the economy. My point of value is how the missiles were used in Desert Storm.

No. II Incident:

On December 7, 1941, Sunday Morning, I was 14 years old and went with my Uncle Ben Ohai, Sr. to the Kapaa Mormon Church Farm going through the old entrance of Lydgate Park, Wailua, to the 2 acres farm large tomatoes and had to be picked ripe from the vines. About six thirty we were there and I went down to the beach area to get cane from along the railway tracks. When I saw with these same eyes yellow airplanes flying out of Nawiliwili area coming from somewhere from Niihau Island. My attention was the noise and lots of airplanes. I looked at them just about day break more or less 6:30 a.m. December 7, 1941. I went back and told my Uncle Ben Ohai (Fish and Game Department Head, Territory of Hawaii) about what I saw-lots of yellow airplanes heading for Honolulu. His comment was never mind the airplanes pick tomatoes.

As I remember from my 14 years boyhood, those planes started World War II and were coming from the Mana or Barking Sand area. I believe this Project Strategic Target System is more needed to stop future sneak attacks to our island and National Defense. Let us be realistic to the needs of the use of Barking Sands site as a continuing project regarding National Defense.

One more point of value: we must write to our Congressional person from Hawaii to support the security of Hawaii's National Defense in supporting the continuance of this Strategic Target System and to work for a 100 mile off limits to any foreign nation in the Hawaiian waters instead of 3 miles.

EX58

SUPPORTING THE PACIFIC MISSILE RANGE BASE AND STRATEGIC TARGET SYSTEM
MY NAME IS EMMALINE KALIKOLAUA LOVELL WHITE, A KAMAAINA AND RESIDENT OF ANAHOLA, KAUAI, AND AN AMERICAN OF ABORIGINAL HAWAIIAN ANCESTRY. HAVING READ THE DRAFT THAT WAS PREPARED BY THE U. S. ARMY STRATEGIC DEFENSE COMMAND. I FIND THAT THE STRATEGIC TARGET SYSTEM MISSILE IS SAFE AS A LAUNCH VEHICLE AND THAT IT CONTAINS NO NUCLEAR ACTIVITY.

LOOKING BACK AT THE DECEMBER 7, 1941, ATTACK ON PEARL HARBOR, WHERE THE ISLANDS WERE UNPREPARED FOR DEFENSE PROTECTION, I BELIEVE WE SHOULD SUPPORT THIS MATTER OF NATIONAL DEFENSE.

IT IS IMPORTANT THAT THE NATIONAL DEFENSE OF THE UNITED STATES BE PREPARED FOR ANY NUCLEAR ATTACK FROM ANY AGGRESSOR NATION.

AS WE WATCHED THE DESERT STORM WAR ON TELEVISION, ONE CAN SEE WHERE THE SCUDS ARE INTERCEPTED IN THE AIR BY THE PATRIOT MISSILE.

HAD THE UNITED STATES WITH ITS NATIONAL DEFENSE NOT BEEN PREPARED, THOUSANDS OF PEOPLE WOULD HAVE PERISHED AND DIED.

THE PACIFIC MISSILE RANGE IS A VITAL PART OF OUR COUNTRY'S DEFENSE. IT IS NOT ONLY OUR DEFENSE THAT IS VITAL, BUT OUR ISLAND ECONOMY AS WELL.

SO MANY TOWNS IN OUR COUNTRY ARE ASKING TO KEEP THE BASES IN THEIR AREA OPEN, WHY SHOULD WE CLOSE THIS PARTICULAR ONE. WE SHOULD SUPPORT ITS PRESENT EXISTENCE. THE MANY PERSONS WHOSE JOB IS DEPENDENT ON THIS BASE IS VITAL TO THEIR FAMILIES EXISTENCE.

THEIR JOBS ON THE BASE PROVIDE FOOD FOR THEIR FAMILIES, PAYS THEIR HOUSE MORTGAGES, AND SUPPORTS THEIR FAMILIES' ENTIRETY. THEY DON'T HAVE TO DEPEND ON THE GOVERNMENT OR SOCIAL SERVICE FOR THEIR FAMILY'S SUPPORT. AFTER ALL, IT IS THE HUMAN RACE WHO ARE THE ENDANGERED SPECIES THAT NEED TO BE PROTECTED, FED AND CLOTHED.

EX58 (cont.)

SO MANY MALAHINES AND OUTSIDERS WHO COME TO OUR ISLAND SHORES RELY ON THE GOVERNMENT AND GRANTS TO GET THEIR OBJECTIONS ACROSS, NEEDLESS TO SAY THEIR TOWNS ARE BEING DESTROYED BY FLOODS AND EROSION, THEIR FOREST HAVE BEEN ON FIRE AND DESTROYING HOMES; I BELIEVE THAT OUR MALAHINES AND OUTSIDERS SHOULD BE LOOKING AT THE ENVIRONMENTAL CONDITIONS IN THEIR BACK YARDS BY HELPING TO PROTECT THEIR TOWNS AND CITIES FROM FLOODS AND FIRES AND NATURAL DISASTERS.

WE WORRY ABOUT THE O-ZONE AND THE COMPEXITIES OF THE SITUATION, BUT WE DO NOTHING WHEN DICTATORS AND WAR MONGERS SUCH AS SADDUM HUSSEIN FIRES MISSILES AND ROCKETS THAT WOULD AFFECT THE ATMOSPHERE OR STRATOSPHERE. WE AS ISLANDERS AND KAMAAINAS HERE ON KAUAI SHOULD SUPPORT THE EXISTENCE AND OPENING OF THE PACIFIC MISSILE RANGE BASE WITH ITS STRATEGIC TARGET SYSTEM MISSILE PRACTICE, BOTH FOR OUR NATIONAL DEFENSE AND FOR OUR ECONOMY HERE ON KAUAI.

1-63

EX59

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

① What is going to happen to the Rocket boosters after separation after launch and are the boosters going to be recovered from the ocean?

1

② Provide information on the detailed analysis on the composition of the propellant and their impact on the environment and human health.

2

③ I would like to know about the public storage containers plan and how much of propellant will be stored at the test site at any given time.

3

Name Peter ALVO

Address 1661 PEE RD, KOLUA, HI 96756

Street Address

City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

EX60

To Strategic Defense Committee:

The Polaris missile has a 20 year track record which includes hundreds of launches. This Environmental Impact Draft ignores this history except for a brief undocumented reference to a 97% success rate.

Newspapers reported a Polaris missile failure at Cape Canaveral last summer and today we have received a report of another mishap just this week at Vandenburg.

SDI

How these failures were handled and what the consequences were seems of vital interest to us here on Kauai. The final draft of the EIS should have a complete accounting for this missile less than perfect history.

The British Military rid itself of all of its Polaris missiles in the 1980's due to "basic system unreliability".

What do they know that you haven't told us?

If we are to accept your stated figures of 3 failures in a hundred, can we not than expect at least one failure in your proposed 40 launches? And if this particular failed launch traveling at a rate of speed which will take it into the stratosphere in only 46 seconds turns back over the island? Kekaha is only 8 miles away and I am unconvinced that 18 tons of missile will suddenly disappear when and if the terminate button is pushed.

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EX60 (cont.)

In todays Garden Island a truly frightening truth has been told:

After a 30 day waiting period the Strategic Defense Initiative Organization will issue a Record of Decision "taking into account the agency's statutory mission and national policy"

Translation: We are wasting our breath here while the power to make this decision lies in the hands of some anonymous committee. Who exactly are these persons that believe they should be granted the power to effect this islands fate? We didn't elect them and how will they be accountable if God forbid, there is a serious accident.

The Army claims to be committed to defending Democracy.

If this democracy is truly sacred then let the people of Kauai decide our own fate. Let's put this matter on the ballot this November. Not just Kekaha or the North Shore and certainly not just a few Army commanders; This choice belongs to the people of this entire island.

Thank you
Tom Hall

3

EX61

August C. Manguso
Lieutenant Colonel, USA
U.S. Army Strategic Defense Command
Product Manager
Strategic Target System

Dear Colonel Manguso,

These remarks refer to the Draft Environmental Impact Statement for the Kauai PRMF, dated February 1992. They are addressed only to the Biological Resources, Vegetation, mentioned on pages 3-16 through 3-20 and 4-26 through 4-28.

My qualifications are a Ph.D. in Electrical Engineering, specializing in the mathematics of large scale Systems Engineering, University of Southern California, 1971. My field of interest has been evolutionary biology, and for the past 12 years I have studied the indigenous flora of the island of Kauai. I operate a business that grows these plants in a nursery and designs natural landscapes.

I support the effort of the employees and other Westsiders to preserve PRMF, it offers a tremendous opportunity and resource, compared to the alternatives, and we must all help to preserve its presence on Kauai.

My opinion of the current draft EIS concerning the vegetation on the pages cited above is that it is woefully inadequate. The document mentions only Ohai (*Sesbania tomentosa*) and Puapua moa (*Ophioglossum concinnum*). Other indigenous species that I have observed on the base, and are confirmed in the Botanical Consultants report of 1985 and the Transverse Group study of 1987 referenced in the EIS, are:

- A'ali'i (*Dononaea viscosa*)
- Alena (*Boehavia repens*)
- 'Aki 'aki (*Sporobulus virginicus*)
- 'Akoko (*Chamaecybe celestroides*)
- 'Akulikuli (*Sesuvium portulacastrum*)
- Hi'aloa (*Waltheria indica*)
- Hinahina kahakai (*Nama sandwicensis*)
- Huna kai (*Ipomeas imperati*)
- 'Ilima (*Sida fallax*)
- Kauna'oa (*Cuscuta sandwichiana*)
- Mau'u 'aki 'aki (*Fimbristylis cymosa*)
- Naupaka (*Scaevola sericea*)
- Pohinahina (*Vitex rotundifolia*)
- Pohuehue (*Ipomea pes capre*)
- Pa'u o hi'iaka (*Jacquemontia ovalofolia*)

Many of these plants are not listed as endangered by the Federal government, although list is not necessarily indicative of the real situation because political considerations and bureaucratic incompetence play a large role in the listing process. The IUCN (International Union for Conservation of Nature and Natural Resources) lists at least one the above plants (Hina hina kahakai) as vulnerable to endangerment due to extensive habitat destruction. And there are many listed endangered plants, and

1-65

EX61 (cont.)

extinct plants, that were previously present on the land which PRMF occupies.

Some of the above species are not listed as endangered only because they are found on other Hawaiian islands. But with respect to Kauai only, they are in danger of extinction on this island. Also, the outdated concepts used by taxonomists do not recognize the unique gene pools that exist on Kauai and the genes that will be lost as the populations on the islands continue to decline. Even on Kauai, plants such as A'ali'i, have different genes at Mana and Barking Sands than they do in Kokee.

It is a grievous fact, that the largest accident I can imagine at PRMF would be a small insult to these native plants, compared to the holocaust that has befallen them since the arrival of the Europeans. The No Action Alternative on page 4-28 states: "Therefore no impacts to biological resources are expected to result from the no action alternative." However, even this is a incorrect statement; if the current neglect and some actively destructive practices continue at PRMF, the indigenous plant population will continue to decline, and other alien species brought in by humans will continue to choke them out.

This situation is certainly no different than elsewhere on Kauai. But PRMF has a special opportunity. And it is possible, with minimal effort, to become the best location on Kauai in terms of effort to protect and restore indigenous plants. You can restore the Ohai, and Pua pilo, and Ilie'e, the Nalo, and the dwarf Naupaka, and 'Ihi to their former home.

If you would start an active program to restore and protect indigenous plants at PRMF no one could fault you for performing the most exemplary effort on the island. You should plant and monitor several such communities of these plants at varying distances from the launch sites. I do not think that the plants would be damaged at a distance of about 200 feet, and you should not hesitate to put plants there, and collect long term data. This data will help in the long term use of the base for future launches or other purposes.

These indigenous plants represent a resource that no amount of technology can replace once they are extinct. They have been on Kauai for thousands of centuries and they have changed in ways that have adapted them to these islands as their only home. It is not unlikely that one of the actions we currently consider the most insignificant in this program, will turn out to be your largest endowment to national security.

Sincerely,

Brian Schaefer

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25 Mar 1991

PUBLIC COMMENT TO THE EIS

I've looked at the STARS EIS and I support its conclusions that there will be no significant environmental damage to Kauai. The people putting together the EIS should be commended for making a thorough and honest attempt to evaluate any potential damages.

Frankly, I'd rather eat dirt than stand in front of this microphone and try to force my beliefs on somebody else. It's not my personality to be an activist and whine about things. But I have to get a few things off my chest.

First of all, this meeting is not about the hole in the ozone layer. To solve that particular problem, we're going to have to ban aerosol spray cans, ban air conditioning, ban refrigerators, and even ban the space shuttle - just to name a few things. Yes, this is the same space shuttle that is presently orbiting the earth, studying the depletion of the ozone layer. And not only ban these things in the United States but also in the rest of the world. ~~That's the real problem, because the poorer nations of the world are not going to accept any high-cost alternatives that technology might come up with. The STARS contribution to this problem is miniscule. I'm surprised nobody has testified that STARS launches are going to contribute to global warming, because they will.~~

Secondly, this meeting has nothing to do with Hawaiian homes or Hawaiian sovereignty. The Hawaiian people have a problem, and I agree they need visibility, but that problem has nothing to do with the STARS program. It's a separate issue entirely. The STARS project can't solve Hawaiian problems. Our legislators are going to have to do that.

STARS is said to violate the "spirit" of Kauai. What is the "spirit" of Kauai anyway. Is it the Westin? Princeville? The traffic jams in Kapaa? The doubling and tripling of the size of Poipu over night? Why don't you people who know so much about the "spirit" of Kauai try to solve a real issue that has an impact on all of us? For twenty years PMRF has been launching rockets from Manaa and there has been no negative impact on the West side. In fact, it's common knowledge that the West side of Kauai is one of the last places that has any "aloha spirit" left. Different rocket programs have come and gone and none of this has changed. STARS won't change it either.

People say that they're opposed to STARS and all of SDI because they want to promote peace in the world. ^{from 2A1} That's not what is being demonstrated by the STARS protestors. I hear nothing but anger, hostility, antagonism, discourtesy. If you can't demonstrate peace and humility to your own neighbor, how can you expect to promote peace in the world? For thousands of years, Christianity and every major religion has been preaching love.

compassion, and non-violence. But for thousands of years there have been wars. Let's be realistic. Let's start planning for the next war - today. So those of you that want peace in the world, I salute you, but don't try try to cram your version of peace down my throat.

So in summary, I support STARS and I don't think it will change our Kauai lifestyle one slight bit.

James Hager
Kalaheo

EX63

COMMENTS TO STRATEGIC TARGET SYSTEM DEIS

I am Jim Lawshe from Kalaheo, and I support the Strategic Target System and PMRF. I have been a resident of Kauai and a contractor employee at PMRF for the last 18 years. Four years prior to this I was involved with modifications of optical instrumentation equipment to White Sands Missile Range, Edwards Air Force Base and the Western Test Range. Before this I was at Holloman Air Force Base and White Sands Missile Range in New Mexico for 23 years.

I have stood at the impact site of the first test vehicle launched at Holloman. It was a booster test and the test vehicle was a telephone pole. I was present when the first ground launched aircraft guided missile found its target and bored a hole through the parachute target. I have been at ground zero at the Trinity atomic bomb site in New Mexico. I observed Enos, the second chimpanzee in space, at Holloman after his notable flight. I was there when Colonel Stapp rode the high speed sled at Holloman onto the cover of Time magazine, and today all of us fastened our seat belts when we drove to this meeting.

Now I am at PMRF and I am very excited about the STARS program. I will be watching the first Strategic Target System lift-off, gain speed and disappear to keep its rendezvous at the Kwajalein Missile Range - 250 miles from the island. That is right - 250 miles. It will not "Bomb the Island", as someone stated last night. Sometimes, the truth is very illusive.

My greatest experience at Kauai has been the local PMRF people. There is more Kauai Spirit at PMRF than from those who oppose STARS. For proof, I refer to as recent as last night. Charlene Castor, sincere, quietly respectful, and Hawaiian, showed far more O'Hana than other speakers. If there are ten unemployed Hawaiians for every employee at PMRF, they, the unemployed should do something about it as the locals at PMRF have done. The locals at PMRF have made the effort to improve themselves, They have earned what they have, and I respect them for it.

I commend the Army for the DEIS. I am; however, reminded of the cliché -

EX63 (cont.)

When you want people to listen, - you tell them, you tell them again, and then you tell them again. Regarding air quality, and I quote from the DEIS. "Air samples will be collected during the first demonstrative launch to validate compliance with federal and state standards." To the preparers of the EIS I request you say it again, and again, and then that you can demonstrate compliance. A few months ago, air quality of the Hawaiian Islands was poor. The culprit was not the Strategic Target System, the culprit was volcanic ash. Volcanoes contribute as much as a third of the total annual global stratospheric chloride burden, while the Strategic Target System will contribute 0.001 percent to the total annual burden. Those concerned about ozone depletion, already, are blaming STARS. They should be talking to Madame Pele, not to the army about their concerns.

The Mayor, in her infinite wisdom, has decreed that there will be no transportation of liquid hydrazine and nitrogen tetroxide on Kauai public highways. This is the same infinite wisdom that is doing so well in solving the islands traffic problems and the boating problems at the north shore. Those who have vocally opposed STARS are overlooking that four alternate transportation routes have been established in the DEIS. Two of these do not involve Kauai highways or ports. They also overlook the statement that the proposed action in the DEIS is to transport hydrazines using military, exclusive-use cargo aircraft to deliver the fuel to PMRF. Exclusive-use cargo aircraft is also being considered for nitrogen tetroxide (although a waiver from DOT will be required).

I'd like to suggest another alternative to the Army.

At Oahu, load and secure the tetroxide container onto an amphibious vehicle. Load and secure this vehicle to the deck of a cargo ship. The ship will then proceed offshore of the PMRF landing beach, lower the amphibious vehicle into the water which can then proceed to and up the beach directly to the holding pad at KTF. This requires a relatively calm ocean, but the number of deliveries in a year is only one, two, or maybe three, and they can be scheduled during calm periods.

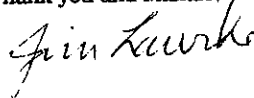
In closing we have just today collected 134 additional Declaration of Support for PMRF letters. These when added to the Declarations presented by

EX63 (cont.)

Annelle Hazlett for Dave Nekomoto will bring the total Declarations for the record to 1902.

I have one final request of the Army, The DEIS is good. For the sake of the PMRF local people - the yellow shirts - the real Kauai Spirit - MAKE IT MO BETTA.

Thank you and Mahalo.



89-1

EX64

Comments of Ken Jones On the Draft Environmental Impact Statement for the Strategic Target System

Tuesday, March 24, 1992

The following comments address the portion of the DEIS concerning the impact of the proposed STARS launches on the protective Stratospheric Ozone layer of the earth.

The DEIS inadequately addresses the potential for increases in human skin cancer due to depletion of stratospheric ozone as a direct result of the STARS launches (NRC 1982).

The DEIS points out (pages 4-17 - 4-20) that the Strategic Target System program will release ozone depleting chemicals in the in the first and second stage exhaust emissions and in the halon 2402 used at altitudes between 18 miles and 104 miles.

The DEIS (p. 4-19) assumes only a best-case scenario concerning the impact that each 1-percent decrease in stratospheric ozone will have on the percent increase of the incidence of human skin cancer. Research provided by the National Research Council shows an estimated RANGE of 2% to 5% increase of basal cell skin cancer, and a probable 4% to 10% increase of squamous cell skin cancer per 1% decrease in stratospheric ozone.

A NASA report released in February showed a 10 percent drop in the density of the ozone layer over Kauai. At the worst case scenario of 10% increase of squamous cell skin cancer for each 1% drop in ozone that equals a 100% increase in the incidence of squamous cell skin cancer. And this is before any of the ozone has been depleted by the STARS launchings.

The DEIS states that "the predicted increases are appreciably greater at lower latitudes (closer to the equator) than at higher (NRC 1982)" (p. 4-19). It then goes on

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EX64 (cont.)

to say that the "effect of changes in the ozone layer on the incidence of skin cancer was explored using data from Norway." The final EIS should evaluate data taken from Hawaii, not Norway.

2

While the DEIS states that there will be no significant impact on the incidence of skin cancer resulting from the launches, the evidence indicates a high probability that of the 51,000 people on Kauai one person will get skin cancer as a direct result of the Polaris launchings over a period of a year.

On January 1, 1991 the Hawaii Ozone Layer Protection Statute went into effect prohibiting any person in the state from willfully causing or allowing release of designated chlorofluorocarbon chemicals into the air from any source or process including automobile air conditioners and household air conditioners and refrigerators. The overall purpose and intent of the law was to protect the people of Hawaii and the rest of the world from increased exposure to skin cancer, cataracts, and damage to the human immune system that occurs when the protective ozone layer is depleted by release of those and other chemicals.

So, while the U.S. Army Strategic Defense Command has found a loophole in the state law against Freon release, they are violating the spirit and intent of the law if not the letter of the law, and are willing to jeopardize the health of the people of Hawaii and other places in the world to test their missiles.

Thus, I find that the DEIS is inadequate, and that the danger to human life and health is too great to continue with the proposed missile launch program.

1-69

EX65

~~Keia...
Keia...
Keia...~~

~~Na Po 'o Po'ele, na makua~~
~~Mo'e 'o Wākea iā Papa~~
Loa'a i nā mokupuni hewa 'o Hawaii
nei.
Loa'a 'o Hāloa iā Kapo'e Hawaii
~~maia Hāloa, ke kākāina o nā~~
~~mokupuni o Hawaii.~~
~~o kōu 'ohana mai Kauai a me~~
Ni'ihau mai. Aloha no.

1

①

1-69

destroying ^{any} land, whether it be
 thru carelessness, or the intentions
 of ~~destroying~~ ^{be it} someone's ^{else's} home, ~~where~~
 the ~~land~~ of Iraq, ~~the~~, or
 the newly separated ex-Soviet
 republics.

For years, Native Hawaiians have been
 passive, reluctantly allowing the U.S.
 government to take advantage of our
 aloha. Today, our sacred lands
 are being misused, our exotic
 plants and animals are in jeopardy,
 but greatest of all, our people are
 now on opposite sides of each other.

I just want to say:

Stop the damage. Stop reconstructing
 the land for foolish purposes. Stop
 destroying the endemic flora and fauna
 which, ~~through centuries of natural~~
~~selection, adapted to the unique~~
~~geophysical make up of this paradise.~~

And stop, by all means, dividing our
 people by telling them that their
 lives will be affected if it doesn't
 happen rather than the other way
 around.

②

>

On my way here, I was
 pleased with the appearance of
 my 'aumakua. My family's spiritual
 guardian, The pueo or owl, flew
 above our car this evening. I
 know that the spirits of my
 ancestors are on our side, the
 few, living, endangered Hawaiian
 people seeking justice in this never-
 ending battle.

The spirits of our ancestors cry
 out. Let the 'aina live. Let
 the people live. Let aloha live.

Mahalo no ko 'oukou
 ho'olehe ana.
 Mahalo ~~no~~.

③

Kaleiali'i Ka'ōpio
 4676 Mā'ilihuna Rd.
 Kapaa, HI 96746

EX66

PATSY T. MINK
SECOND DISTRICT, HAWAII

WASHINGTON OFFICE
2135 RAYBURN HOUSE OFFICE BUILDING
WASHINGTON, DC 20515-1102
(202) 225-4908
FAX (202) 225-4987

DISTRICT OFFICE
5104 PRINCE KYUNG FEDERAL BUILDING
P. O. BOX 50174
HONOLULU, HAWAII 96850-4977
(808) 841-1998
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**Congress of the United States
House of Representatives
Washington, DC 20515-1102**

COMMITTEE ON EDUCATION AND LABOR
SUBCOMMITTEES:
ELEMENTARY, SECONDARY & VOCATIONAL EDUCATION
POSTSECONDARY EDUCATION
LABOR-MANAGEMENT RELATIONS
COMMITTEE ON GOVERNMENT OPERATIONS
SUBCOMMITTEES:
HUMAN RESOURCES AND INTERGOVERNMENTAL RELATIONS
GOVERNMENT INFORMATION, JUSTICE AND AGRICULTURE

STATEMENT FROM
U.S. REPRESENTATIVE PATSY T. MINK
ON THE DRAFT ENVIRONMENTAL IMPACT STATEMENT (DEIS)
FOR THE STRATEGIC TARGET SYSTEM (STARS)

MARCH 25, 1992

Thank you for this opportunity to comment on the DEIS for the Strategic Target System testing program from the Pacific Missile Range Facility (PMRF) at Barking Sands, Kauai. This is an issue of immense importance to this community, which is called the Garden Island for good reason.

The people of this blessed island have always taken the custody of Kauai's natural assets as a priority concern, and this guardianship has persisted in the face of economic cycles of hardship and prosperity, a transformed citizenry, an all-pervasive visitor industry, and the inexorable demands for new housing, transportation, infrastructure, power generation, waste treatment, clean water and other critical services of government.

It is no coincidence that Kauai's environment has endured despite these many perils, and the STARS program must also satisfy this scrutiny in proportion to its potential to inflict greater, and heretofore unimagined damage, on the land and seascape.

EX66 (cont.)

That this EIS came to be mandated by Congress in the FY 92 Defense Department Appropriations Act is a consequence of the Army's resistance to such a study in the face of public outcry that its court-ordered and narrowly-focused Environmental Assessment (EA) conveyed little assurance of the testing program's wider implications. I am pleased that my actions in the U.S. House of Representatives on May 22, 1991 kept the requirement for an EIS alive through language in the House version of the DoD authorization bill, which declared the "sense of the Congress" that STARS testing was a major federal action. The Army's flippant dismissal of this language was quickly dispelled when Senator Inouye inserted irrefutable language in his Armed Services appropriations subcommittee that restricted STARS funding until this EIS was conducted and accepted in final form.

I join with the community in commending the Army in its efforts to consult with the public throughout its EIS process, however. The briefings, notices and public meetings conducted on Kauai in the last several months have demonstrated a concerted attempt to gather community input and concerns, so I am disappointed that the actual draft document should be so flawed, despite this effort at community relations.

Let me state at the outset that I am in total support of PMRF and the research role it plays in our national defense. I believe the majority of Kauai also supports the facility, which has been a good and reliable neighbor on the island. The test site is a

EX66 (cont.)

good and reliable neighbor on the island. The test site is a welcome employment alternative for residents, and has operated according to the highest scientific and safety standards in the past.

But we are confronted with a Draft EIS on a Kauai Test Facility program that was long and hard in coming from the military; it betrays a bias that is inescapable, given its sponsor and authorship. I offer my comments only to improve the content and confidence of the final EIS, and look forward to the Army's candid response to my critique along with those of others participating in this hearing.

Although the National Environmental Policy Act (NEPA) requires consideration of all reasonable alternatives to a proposed action, I note that this DEIS reviews STARS' environmental consequences and mitigations with the summary dismissal of other possible alternatives without thorough examination. From "Geology and Soils" to "Water Resources," "Noise," "Hazardous Materials" and beyond, the "No Action Alternative" is the only other option consistently offered. It appears that the authors took little effort to explore middle ground, insisting on the Army's way or no way.

In contrast, the discussion of the transport of toxic liquid fuel propellant to PMRF includes four alternatives. Shipment directly to the facility is possible via military air cargo, by commercial cargo vessel to Oahu and beach delivery by landing

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EX66 (cont.)

craft, the same route with transfer to beach landing craft at Port Allen, or overland transfer to Barking Sands after ocean shipment to Port Allen. The preferred, proposed action is to transport hydrazines using military, exclusive-use cargo aircraft directly to the facility, with the remaining options utilized in the event of "unexpected adverse conditions." In keeping with this DEIS's single-mindedness, no description of these adverse conditions is addressed, much less why the fuel would be safer in a landing craft working its way through surf to come ashore at Major's Bay, or why being driven on a public highway is more plausible under these same adverse conditions.

I am concerned that the DEIS does not adequately investigate STARS's threat to endangered species in the locale of the test facility. However remote the possibility of harming species such as the ohai, Adder's tongue, Hawaiian ducks, coots, stilts, monk seals and hoary bats, green sea turtles, Newell's shearwater, and humpback whales, any contribution to the irrevocable extinction of these plants and animals must not be risked under any circumstances. Mitigation measures seem hardly adequate within the context of the report.

Termination of launch activities is reviewed under three scenarios: on the launch pad, in early flight, and with pitch back over the island. Once launched, great reliance is placed on the "more than sufficient time" of 1.5-seconds for a Range Safety officer to detect, decide and terminate a missile's flight to

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EX66 (cont.)

minimize the fire, debris and air pollution around or beneath the exploding missile vehicle.

The restricted ground hazard area for each launch is a modified 10,000-foot arc encompassing portions of Polihale State Park and nearby sugar cane fields. In the event of a termination decision within the 3.5-second window, damage is expected to be confined to this area.

There is no deliberation whatsoever, however, of a worst-case scenario. Suppose the decision time takes longer than 3.5-seconds. Suppose the termination command apparatus inexplicably delays or fails to respond. Suppose the missile heads for Hanalei Valley, or Lihue?

What are the appropriate emergency measures and equipment to deal with such a catastrophe? Will civil firefighting, burn and rescue techniques be adequate? The damage from a 36,577 pound, refurbished Polaris A3 missile with an CRBUS 1 third-stage motor is sure to cause damage as yet unknown to Kauai's emergency personnel.

However unpleasant, prudence dictates that this eventuality be reviewed, and that the State and County be furnished with proper equipment and training to respond quickly and effectively to the more extensive property damage or human casualties of a flat-out missile disaster.

5

EX66 (cont.)

Of equal concern is the use of booster rockets averaging 26 years old that must undergo extensive refurbishing to bring up to Weapon Specification 1151 performance, reliability and safety compliance. Older Polaris A3 second-stage boosters have already experienced forward dome burn-through failures that current refurbishment procedures are supposed to correct. But aging caused this problem, and there is little cause for comfort that more than 3 dozen identical missiles will be launched from Kauai.

The payload third-stage motor also benefits from the military's indulgence. Toxic hydrazine liquid propellant will be used in this stage on some occasions, and there is apparently "not a large statistical data base to address motor reliability." Rather, a manufacturer's predicted reliability factor based on computer programs and manufacturing information is accepted, with a five-year storage life projected. One wonders about the dependability of payload stages in the later phases of STARS.

This Draft does not review at all the history of missile launches at PMRF, and whether there were any mishaps or incidents in years past. Neither does it discuss the differences and similarities of these earlier launches, so we might better transpose historical records to what is anticipated and provided for in STARS.

Finally, since the Army went through so much effort to identify public concerns and objections to the STARS project through briefings, hearings and other methods, I am troubled that it

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EX66 (cont.)

would dismiss so many of these issues with terms such as "small risk," "unlikely," "all precautions will be undertaken," "insignificant," "no impacts anticipated" and "very little hazard." I suggest that the authors review the entire EIS and substitute the information that those terms are based on to assure readers such comments are warranted, and why.

As a Member of Congress, I am called upon to debate and vote upon matters of national defense and policy time after time. My return to the U.S. House in 1990 was predicated on the dividends of a post-Cold War economy that would rechannel our resources and energies into more productive pursuits critically needed by our people. After more than a decade of runaway spending on new and grander weapons systems, our cities, infrastructure, schools, highways, environment and social services have suffered enormously.

With the nationalization of eastern-Europe, global trade alliances, collapse of the Soviet Union and other momentous events around this planet, our priorities have also changed. Congress agonized over base closures throughout our military system, and more are surely to come. We have battled to fund the full range of services while digging ourselves out of a debilitating recession and national deficit. And we have seen the inescapable writing on the wall that America is no longer able to afford everything it wants from its government.

EX66 (cont.)

The Pacific Missile Range Facility has unique and exceptional operational characteristics unavailable to the U.S. military anywhere in our country. The quality and dedication of its employees are unquestioned, and they have every reason to be prideful of their work, their expertise, and their record.

It is my hope that the EIS that is finally issued on STARS testing at Barking Sands does justice to the facility and its personnel. Many have called for this study, and now we have the opportunity to judge and criticize at will. If we are sincere in this process, then the outcome can only add to our understanding of STARS, so an informed consensus can be reached on its future.

Thank you for your attention.

Pat T. Mike

EX67

1-75

NO TO
STARS
ON KAUAI.
David G. Dornell

1

EX68

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

Who makes the decision on the final EIS?

The decision on the Final EIS
will be made by the
Director of the Strategic
Defense Initiative Organization,
Ambassador Henry Cooper.

1

Name

Mary Eiser

Address

Street Address

City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

EX68 (cont.)

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

A Question/Comment:

To Randy Gallien + Col. Manguso,

I strongly object to your responding to Anti-STARS speakers' comments. We as opponents are not given a similar ability to respond immediately to what we perceive are misfacts.

Again, you are turning this into a one-sided ability to respond to comments. This is unfair. Thank you for history.

May Eisen

Name _____

Address _____

Street Address

City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

1-76

EX69

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

Question:

WHAT WILL BE THE TOTAL NUMBER OF MISSILE LAUNCHES FROM KTF IN ONE YEAR (SDI & all other launches).

1

Name FRANK GOMEZ

Address _____

Street Address

City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

EX70

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

Q: ~~WHAT~~ WHAT DOES IT MEAN
INSIGNIFICANT IMPACT MEAN
EXACTLY?

1

Name _____

Address _____

Street Address

City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

1-77

EX71

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

QUESTION / COMMENT.

I deeply resent and object to Col. Manguco's, at times, interjections after Anti-STARs speakers speak. We, as opponents, do not have an opportunity to respond in the same way. You are making this into an unfair debate, with only your side able to respond to speaker's comments being made.

1

Name _____

Address _____

Street Address

City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

EX72

March 23, 1992

After reviewing the EIS concerning the "STAR Wars" program, I feel the concerns of the citizens of Hawaii have not been addressed. This program may prove hazardous and should not be allowed to take place.

As a resident of Hawaii please count me as opposed to this program.

Thank you
Yolanda Leong
Kalaheo HI

1

1-78

EX73

March 25, 1992

Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-ENV (D.R. Gallien)
POB 1500
Huntsville, Alabama 35807-3801

Dear Commander:

I want to focus our time, energy and money in directions other than STAR WARS technology. I'm against continuation of any such projects here on Hawaii and specifically against rocket launches from PMAF.

I believe it is time that our government began enacting policy that is more life affirming and responsive to the new world that is being created in this decade.

I believe the impact on Hawaii of the Strategic Target System program is contrary to the spirit of Hawaii and quite harmful to us who live here.

Sincerely
Sharon Tomes
POB 503
HANAPEPE, Hawaii, HI 96716

1

EX74

3/25/92

Dear LTC. Manguso,

The testimony you're about to read cannot be cross-referenced in a book because this material comes from my heart. It is based on my beliefs and the love I have for my country. It is also based on being a working mother of a lively, beautiful 2 year old daughter and having a household to maintain. You know... bring home the bacon, fry it up in the pan, and never let him forget he's a man... Well, that leaves me with very little time to scrutinize every bit of the DEIS as the opposition has done. I've read some of the DEIS and am satisfied with the stuff I can understand. I trust in you and the Government for the rest and anything after that I don't have a need to know. (Having done 6 years in the Hawaii Air National Guard, I am fully aware of "knowledge on the need to know" basis).

The opposition implodes us towards peace and to lay down our arms because the Cold War has ended. I feel this Country's mainstay is it's unsurpassed technologies in defense which we need to maintain and even upgrade to keep up with the flow of world events. And the flow of my world's events is my daughter's future. I believe the STARS project will enhance my quest of ensuring my daughter's free future. The opposition seems to have forgotten how so many people before us have given their lives to maintain the freedom to do and say what you want, when you want and how you want that this Country is so known, loved and envied for. There's a bumper sticker I've seen around --- "Lucky you live Hawaii", but I say "Lucky you live U.S.A."

Candace Agustin

EX74 (cont.)

Candace Agustin
4430 Pio St.
Lihue, HI 96766

1

1-79

EX75

March 23, 1992

Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

Re: EIS for Strategic Target System, Kauai, HI.

Dear Mr. Gallien,

As a taxpayer I am not in favor of spending tax money on the Strategic Target System.

My comments are about the section in the EIS paragraph 4.12, Socioeconomics. This section is very poorly developed in the sense of the costs to the people in Kauai of their tax money being spent on the system. No figures are given as to how much it will cost each citizen. Additionally, no estimate is given for if the money that is being spent on fuel and hardware were spent in a more productive manner what the effects would be on the socioeconomics of Kauai. Jobs could be created if the cost of the project were given to Kauai County. They could improve the homeless situation, improve the parks, schools, and roads. These projects would definitely add jobs and improve the quality of life as well.

The other longrange concern has to do with the brain-drain of scientists in our country to continue working on useless military projects when they could be solving other problems. Alternative enegy sources, improved machines, and many other creative projects could be developed if our scientists could be free from spending so much time on useless military projects.

Investing in our children as scientists by spending the money on science classes would be a longrange socioeconomic benefit and the cost of not doing that should be expressed in an EIS that talks about socioeconomics. The money for one launch would pay for many computers in our schools.

Kauai is not the place to launch the system and I believe it should not be launched anywhere else, either.

Sincerely yours,
E. Woodyard
E. Woodyard, Ph.D.
Suite 3039-129 Kaunualii Hwy
Lihue, HI 96766

1

2

1-80

EX76

DECLARATION OF SUPPORT FOR PMRF

TO: SENATOR DANIEL K. INOUE
SENATOR DANIEL K. AKAKA
REPRESENTATIVE PATSY T. MINK
REPRESENTATIVE NEIL ABERCROMBIE
GOVERNOR JOHN WAINEE
SENATOR LEHUA FERNANDES SALLING
REPRESENTATIVE EZRA KANOHO
REPRESENTATIVE BERTHA KAWAKAMI
MAYOR JOANN YUKIMURA
KAUAI COUNTY COUNCIL

Dear Honorable Elected Officials;

By this letter, I affirm my support for the Pacific Missile Range Facilities, its people, and its program. Recent controversy over a certain PMRF program has been supported by a vocal minority, largely from the North Shore communities of Kauai. Their true intent was revealed after the decision was made to do an Environmental Impact Statement in response to their protests--and that intent is to stop the program altogether, regardless of what the EIS determines.

This kind of attitude could be detrimental to the very existence of PMRF. A base closure is not unrealistic to consider. It would result in severe impact to the economy of Kauai. In addition to the loss of jobs, facilities such as hotels, restaurants, rental car companies, recreation oriented businesses, banks, super markets, gas stations, automobile dealers, parts suppliers, construction companies, hardware suppliers, computer related businesses, etc, etc, would feel the impact of a PMRF shut down.

There are many people like myself who have been silent throughout this controversy, and feel that its time to be heard. I am registering my confidence in the managers of the base and of the many programs at PMRF, that they are doing everything they can to ensure success.

PMRF has been a good neighbor and Kauai's high tech employer. It is a place to which our children can return to find challenging work. It directly supports our nation and its defense effort. We don't want an issue like this to spark thoughts of a base closure. Please evaluate the long term impacts and make decisions wisely.

Yours Truly;

Signature *William C. Hughes*
Printed Name William C. Hughes
Address PO BOX 1083
KEKAAHA HI 96752

(WRITTEN COMMENTS ON BACK)

1

EX76 (cont.)

Also I would like Mr Inouye, Mr Akaka,
Gov. Waiker and Joann Yukimura, I'm not
happy with your performance and I will vote
against you in upcoming election

Wm. Waiker

1-81

EX77

DECLARATION OF SUPPORT FOR PMRF

TO: SENATOR DANIEL K. INOUE
SENATOR DANIEL K. AKAKA
REPRESENTATIVE PATSY T. MINK
REPRESENTATIVE NEIL ABERCROMBIE
GOVERNOR JOHN WAIHEE
SENATOR LEHUA FERNANDES SALLING
REPRESENTATIVE EZRA KANOHO
REPRESENTATIVE BERTHA KAWAKAMI
MAYOR JOANN YUKIMURA
KAUAI COUNTY COUNCIL

Dear Honorable Elected Officials:

By this letter, I affirm my support for the Pacific
Missile Range Facilities, its people, and its progress.
Recent controversy over a certain PMRF program has been sup-
ported by a vocal minority, largely from the North Shore
communities of Kauai. Their true intent was revealed after
the decision was made to do an Environmental Impact Statement
in response to their protests--and that intent is to stop the
program altogether, regardless of what the EIS determines.

This kind of attitude could be detrimental to the very
existence of PMRF. A base closure is not unrealistic to
consider. It would result in severe impact to the economy of
Kauai. In addition to the loss of jobs, facilities such as
hotels, restaurants, rental car companies, recreation oriented
businesses, banks, super markets, gas stations, automobile
dealers, parts suppliers, construction companies, hardware
suppliers, computer related businesses, etc, etc, would feel
the impact of a PMRF shut down.

There are many people like myself who have been silent
throughout this controversy, and feel that its time to be
heard. I am registering my confidence in the managers of the
base and of the many programs at PMRF, that they are doing
everything they can to ensure success.

PMRF has been a good neighbor and Kauai's high tech
employer. It is a place to which our children can return to
find challenging work. It directly supports our nation and
its defense effort. We don't want an issue like this to
spark thoughts of a base closure. Please evaluate the long
term impacts and and make decisions wisely.

Yours Truly;

Signature *Wm. Waiker*
Printed Name Wm. Waiker
Address Box 211
Keolu, HI 96722

<WRITTEN COMMENTS ON BACK>

EX77 (cont.)

- 1) Save jobs! not unemployment
- 2) Compensate Hawaiian Home land commission
fair market land lease if not being done.
- 3) Valid EIS.

1

1-82

EX78

DECLARATION OF SUPPORT FOR PMRF

TO: SENATOR DANIEL K. INOUE
 SENATOR DANIEL K. AKAKA
 REPRESENTATIVE PATSY T. MINK
 REPRESENTATIVE NEIL ABERCROMBIE
 GOVERNOR JOHN WAIHEE
 SENATOR LEHUA FERNANDES SALLING
 REPRESENTATIVE EZRA KANOHO
 REPRESENTATIVE BERTHA KAWAKAMI
 MAYOR JOANN YUKIMURA
 KAUAI COUNTY COUNCIL

Dear Honorable Elected Officials;

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1

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Yours Truly;

Signature
 Printed Name
 Address

Maxine Correa

 MAXINE CORREA

 128 597

 KAUAI HI 96765

(WRITTEN COMMENTS ON BACK)

EX78 (cont.)

*I'm glad my comments
have been adhered to -*

1-83

EX79

DECLARATION OF SUPPORT FOR PMRF

TO: SENATOR DANIEL K. INOUE
SENATOR DANIEL K. AKAKA
REPRESENTATIVE PATSY T. MINK
REPRESENTATIVE NEIL ABERCROMBIE
GOVERNOR JOHN WAIHEE
SENATOR LEHUA FERNANDES SALLING
REPRESENTATIVE EZRA KANOHO
REPRESENTATIVE BERTHA KAWAKAMI
MAYOR JOANN YUKIMURA
KAUAI COUNTY COUNCIL

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Yours Truly:
Raymond Jennings

Honolulu, Hawaii, HI
96715

Signature
Printed Name
Address

(WRITTEN COMMENTS ON BACK)

*See written comments
on back!*

1

EX79 (cont.)

It's my opinion that those who are protesting the existence of the base are the operations are those that of this island but from the outside. Our concerns, those born and reared here on Kauai, feel that they care less of us and our concern, but of their own selfish needs. PMRF is a vital importance for us and for the safety of the U-S

1-84

EX80

DECLARATION OF SUPPORT FOR PMRF

TO: SENATOR DANIEL K. INOUE
 SENATOR DANIEL K. AKAKA
 REPRESENTATIVE PATSY T. MINK
 REPRESENTATIVE NEIL ABERCROMBIE
 GOVERNOR JOHN WAIHEE
 SENATOR LEHUA FERNANDES SALLING
 REPRESENTATIVE EZRA KANOHO
 REPRESENTATIVE BERTHA KAWAKAMI
 MAYOR JOANN YUKIMURA
 KAUAI COUNTY COUNCIL

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Yours Truly;

Signature
 Printed Name
 Address

Mark M Markowski
 MARK M. MARKOWSKI
 P.O. BOX #124
 KEKONA, HI 96752

<WRITTEN COMMENTS ON BACK>

1

EX80 (cont.)

I KNOW THE UNITED STATES NEEDS A STRONG MILITARY, AND I KNOW THE UNITED STATES NEEDS MILITARY PROGRAMS LIKE THE STAR'S PROGRAM, A STRONG MILITARY IS THE SAFEST WAY, FOR A LONG LASTING PEACEFUL COEXISTENCE.

RESPECTFULLY SUBMITTED
Mark M. Markowski
MARK M. MARKOWSKI

1-85

EX81

DECLARATION OF SUPPORT FOR PMRF

TO: SENATOR DANIEL K. INOUE
SENATOR DANIEL K. AKAKA
REPRESENTATIVE PATSY T. MINK
REPRESENTATIVE NEIL ABERCROMBIE
GOVERNOR JOHN WAIHEE
SENATOR LEHUA FERNANDES SALLING
REPRESENTATIVE EZRA KANOH
REPRESENTATIVE BERTHA KAWAKAMI
MAYOR JOAHN YUKIMURA
KAUAI COUNTY COUNCIL

Dear Honorable Elected Officials;

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Yours Truly;

Signature
Printed Name
Address

Leaika Carter

Leaika Carter

PO BOX
1196 WAIMEA, KAUAI 96796

(WRITTEN COMMENTS ON BACK)

1

EX81 (cont.)

DON'T LISTEN TO A BUNCH OF HAOLE'S
WHO ARE NOT EVEN FROM HAWAII, OR HAVE
JUST LIVED HERE 2 YEARS THEY SHOULD
GO HOME, AND NOT TRY TO RUN OUR
ISLAND LIKE CALIFORNIA, THESE GROUPS
LIKE SERREA CLUB

Kauika cube

P.S. Open your eyes, this will NOT
ONLY AFFECT HAWAIIANS BUT ALL THE
LOCAL PEOPLE, BORN AND RAISED IN
HAWAII

1-86

EX82

DECLARATION OF SUPPORT FOR PMRF

TO: SENATOR DANIEL K. INOUE
SENATOR DANIEL K. AKAKA
REPRESENTATIVE PATSY T. MINK
REPRESENTATIVE NEIL ABERCROMBIE
GOVERNOR JOHN WAIHEE
SENATOR LEHUA FERNANDES BALLING
REPRESENTATIVE EZRA KAHOHU
REPRESENTATIVE BERTHA KAWAKAMI
MAYOR JOANN YUKIMURA
KAUAI COUNTY COUNCIL

Dear Honorable Elected Officials:

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Signature
Printed Name
Address

Yours Truly,
Michael W. Dorr
Michael W. Dorr
P.O. Box 1007
Waimea, HI 96752

(WRITTEN COMMENTS ON BACK)

1

EX82 (cont.)

Leave on people, we elected you folks to support us "quite" people, trying to make a living on this island. I hope you guys are not "swayed" by all the "propaganda" & false statements made by a select few which to me, have no idea what they are talking about. And the impact the westside would experience if the Navy pulled out.

Sincerely
D. D. [Signature]

1-87

EX83

DECLARATION OF SUPPORT FOR PMRF

TO: SENATOR DANIEL K. INOUE
SENATOR DANIEL K. AKAKA
REPRESENTATIVE PATSY T. MINK
REPRESENTATIVE NEIL ABERCROMBIE
GOVERNOR JOHN WAIHEE
SENATOR LEHUA FERNANDES SALLING
REPRESENTATIVE EZRA KANOHO
REPRESENTATIVE BERTHA KAWAKAMI
MAYOR JOANN YUKIMURA
KAUAI COUNTY COUNCIL

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Yours Truly;

Signature
Printed Name
Address

John D. Veracini
John D. Veracini
P.O. Box 704
ELEAHE, HI 96705

(WRITTEN COMMENTS ON BACK)

1

EX83 (cont.)

I SUPPORT PMRF & THOSE WHO WAD OPPOSE IT, ALTHOUGH, HAS A PERSPECTIVE THAT IS REALLY BLOWN OUT OF PROPORTION; THEY FEEL THAT THERE WARNINGS SHOULD BE VALID, NOT KNOWING THE OTHER SIDE OF THE COIN, IS TO BE IMPACTED ECONOMICALLY.

1-88

EX84

DECLARATION OF SUPPORT FOR PMRF

TO: SENATOR DANIEL K. INOUE
SENATOR DANIEL K. AKAKA
REPRESENTATIVE PATSY T. MINK
REPRESENTATIVE NEIL ABERCROMBIE
GOVERNOR JOHN WAIHEE
SENATOR LEHUA FERNANDES SALLING
REPRESENTATIVE EZRA KANOHO
REPRESENTATIVE BERTHA KAWAKAMI
MAYOR JOANN YUKIMURA
KAUAI COUNTY COUNCIL

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Yours Truly;

Signature
Printed Name
Address

George A. Kasina
George A. KASINA
POB #
KAWAII, HI 96716

(WRITTEN COMMENTS ON BACK) (over)

1

EX04 (cont.)

To those concerned - it is not often the Westside of Kauai asks for something for themselves - I feel that this concern is very important for our community and may well guide the future of West Kauai

Aloha
George

1-89

EX05

DECLARATION OF SUPPORT FOR PMRF

TO: SENATOR DANIEL K. INOUE
SENATOR DANIEL K. AKAKA
REPRESENTATIVE PATSY T. MINK
REPRESENTATIVE NEIL ABERCROMBIE
GOVERNOR JOHN WAIHEE
SENATOR LEHUA FERNANDES SALLING
REPRESENTATIVE EZRA KANOHO
REPRESENTATIVE BERTHA KAWAKAMI
MAYOR JOANN YUKIMURA
KAUAI COUNTY COUNCIL

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Yours Truly;

Signature
Printed Name
Address

Scott W. Stevens

SCOTT W. STEVENS

P.O. Box 529

Waimana, HI 96796

(WRITTEN COMMENTS ON BACK)

10-11-89 10:00 AM

EX85 (cont.)

Dear elected officials:

It is my personal opinion that your attention in this matter is well overdue. To force a base into closure due to financial consideration is one matter. To allow a special interest group to effect the economic growth of this small island is another. It is your responsibility to represent the people that elected you: Not the special interest groups that pat you on the back and provide financial support.

I would like to point out that this special interest group hiding behind the environmental issue is in fact the headquarters for the **NEW AGE RELIGIOUS GROUP** and their main objective is one world government. No wonder they want the military out of their domain: It demonstrates a threat to their overall purpose.

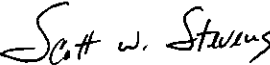
Please do not fall into the same pattern the Roman Empire demonstrated: We are strong and no one could possibly attack. History has always repeated itself and unless you are careful, you could easily fall into the same category.

The Soviet Union is still an enemy of the constitution of the United States because the Soviet Union has never changed their overall major goal: To control the world with their ideology. Facts are they can not feed their people, this does not mean they have become our friends. The people are wonderful I am sure, but the government still has the same major aim.

In conclusion, please consider the major purpose of this special interest group on Kauai, (The New Age Movement), and their primary interest in the military base closure. Then consider that Soviet Union remains a viable threat. Then consider the impact Barking Sands base closure would have to the fighter pilots who were trained on the Phillipine ranges, and then consider the impact to the local economy.

I am concerned at the disregard for the voter's rights by Congressmen and how the votes are tailored to represent special interest groups. It is high time you consider the position you were elected for and represent the needs of Kauai and the nation as opposed to the group that pads your pocket. Remember, Kauai helped in the election process, whereas all the environmentalists did was to raise a stink and show up. Please do not become their puppets! Thank you.

Sincerely,



Scott W. Stevens
P.O. Box 549
Waimea, HI 96796
808-742-1728

EX86

DECLARATION OF SUPPORT FOR PMRF

TO: SENATOR DANIEL K. INOUE
SENATOR DANIEL K. AKAKA
REPRESENTATIVE PATSY T. MINK
REPRESENTATIVE NEIL ABERCROMBIE
GOVERNOR JOHN WAIHEE
SENATOR LEHUA FERNANDES BALLING
REPRESENTATIVE EZRA KANOHO
REPRESENTATIVE BERTHA KAWAKAMI
MAYOR JOANN YUKIMURA
KAUAI COUNTY COUNCIL

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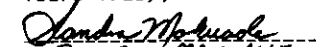
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There are many people like myself who have been silent throughout this controversy, and feel that its time to be heard. I am registering my confidence in the managers of the base and of the many programs at PMRF, that they are doing everything they can to ensure success.

PMRF has been a good neighbor and Kauai's high tech employer. It is a place to which our children can return to find challenging work. It directly supports our nation and its defense effort. We don't want an issue like this to spark thoughts of a base closure. Please evaluate the long term impacts and make decisions wisely.

Yours Truly;

Signature
Printed Name
Address


SANDRA MAKUAOLE
Box 212
WAIMEA HI 96796

(WRITTEN COMMENTS ON BACK)

06-1

1

1

EX86 (cont.)

I have not been silent. I feel our North Shore neighbors are spreading untruths and half truths in an attempt to stop programs they know nothing about. America needs a strong defense. Russia is not the only enemy. Every day, every decade, will be bring a new bully for the day

Stanley Makinade

1-91

EX87

DECLARATION OF SUPPORT FOR PMRF

TO: SENATOR DANIEL K. INOUE
SENATOR DANIEL K. AKAKA
REPRESENTATIVE PATSY T. MINK
REPRESENTATIVE NEIL ABERCROMBIE
GOVERNOR JOHN WAIHEE
SENATOR LEHUA FERNANDES SALLING
REPRESENTATIVE EZRA KANOHO
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Yours Truly;

Daniel K. Inoue

Makela K. Maki

H. Maki

H. Maki

Signature
Printed Name
Address

(WRITTEN COMMENTS ON BACK)

1

EX87 (cont.)

What the damn jobs are worried
about, they have underwater missiles
operating now, and they can keep it
ok as long time they want so
what's the huff.

1-92

EX88

DECLARATION OF SUPPORT FOR PMRF

TO: SENATOR DANIEL K. INOUE
SENATOR DANIEL K. AKAKA
REPRESENTATIVE PATSY T. MINK
REPRESENTATIVE NEIL ABERCROMBIE
GOVERNOR JOHN WAIHEE
SENATOR LEHUA FERNANDES SALLING
REPRESENTATIVE EZRA KANOHO
REPRESENTATIVE BERTHA KAWAKAMI
MAYOR JOANN YUKIMURA
KAUAI COUNTY COUNCIL

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the decision was made to do an Environmental Impact Statement
in response to their protests--and that intent is to stop the
program altogether, regardless of what the EIS determines.

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existence of PMRF. A base closure is not unrealistic to
consider. It would result in severe impact to the economy of
Kauai. In addition to the loss of jobs, facilities such as
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businesses, banks, super markets, gas stations, automobile
dealers, parts suppliers, construction companies, hardware
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employer. It is a place to which our children can return to
find challenging work. It directly supports our nation and
its defense effort. We don't want an issue like this to
spark thoughts of a base closure. Please evaluate the long
term impacts and and make decisions wisely.

Yours Truly;

Signature
Printed Name
Address

Paul S. Kano
PAUL S. KANO
3877 PUNAHU ST
Lihue Kauai 96766

(WRITTEN COMMENTS ON BACK)

1

EX88 (cont.)

Being a construction worker I know there is no major development in the future of 1992. Also, the ~~tourist~~ industry is very slow in the state of Hawaii. We all know that layoffs + job cuts only occurs the recession. If PMRF is closed or if there is no more extra work done what will happen to all of these employees? Why can't everyone think of the other instead of think about themselves? Think about how other families will be affected with mortgages + children? Close PMRF or reduce the employment will only hurt these families + children, is this what the USA is all about? I hope not, because these children + families are very much Kauai's future.

1-93

EX89

DECLARATION OF SUPPORT FOR PMRF

TO: SENATOR DANIEL K. INOUE
 SENATOR DANIEL K. AKAKA
 REPRESENTATIVE PATSY T. MINK
 REPRESENTATIVE NEIL ABERCROMBIE
 GOVERNOR JOHN WAIHEE
 SENATOR LEHUA FERNANDES SALLING
 REPRESENTATIVE EZRA KANOHO
 REPRESENTATIVE BERTHA KAWAKAMI
 MAYOR JOANN YUKIMURA
 KAUAI COUNTY COUNCIL

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Yours Truly;

Signature _____
 Printed Name _____
 Address _____

Patsy T. Mink

 PATSY T. MINK

 WAIHEE

 KAUAI

(WRITTEN COMMENTS ON BACK)

1

EX89 (cont.)

Be prepared. Don't wait until other countries are well prepared. Like in World War II we had equipment from World War I

1-94

EX90

DECLARATION OF SUPPORT FOR PMRF

TO: SENATOR DANIEL K. INOUE
SENATOR DANIEL K. AKAKA
REPRESENTATIVE PATSY T. MINK
REPRESENTATIVE NEIL ABERCROMBIE
GOVERNOR JOHN WAIHEE
SENATOR LEHUA FERNANDES SALLING
REPRESENTATIVE EZRA KANDOH
REPRESENTATIVE BERTHA KAWAKAMI
MAYOR JOANN YUKIMURA
KAUAI COUNTY COUNCIL

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Yours Truly;

Signature
Printed Name
Address

Harold A. Fujiwara
HAROLD A. FUJIWARA
4967 LEHUA ST.
KAUAI HI 96746

See
(WRITTEN COMMENTS ON BACK)

(SEE OVER)

1

In addition to the concerns mentioned above, I am appalled by the lack of concern of Governor Waihee and the State of Hawaii; Mayor Yukimura and the Kauai Council on the following:

1. National security is the concern of the State of Hawaii and the other 49 states. (The PMRF involvement with STAR'S and the concerns of the Federal Government to strategically locate a site in Hawaii is imperative in National defense of the United States of America (Hawaii as well as the Mainland).)

2. Without a site established to defend against Star Wars, Hawaii and its people are placed in a position of possible future nuclear attack from any country in the Far East possessing the scientific and technical capability of long range nuclear missiles. (The lack of concern of Governor Waihee and Mayor Yukimura for the people of Hawaii demonstrated a public view on the need to support National Security for all citizens of the United States of America. National Security is the concern of the United States Government for all its citizens and this includes the American Citizens living in the 50th State.)

3. The withdrawal of one Strategic Site, Hahaione, Kauai, being the most western geographical location of the Hawaiian Islands and the network of the National Defense System of the U.S.A. This makes Hawaii vulnerable in the event of an attack against the U.S.A.

4. Short sightedness on the part of individuals and special interest groups, Sierra Club and the Hawaiian Foreign Nation people in living in the past (keeping Kauai as Hawaii) lacks the concern for National Security. What good is Kauai if it is devastated by a nuclear bomb or missile? Can Oahu and Hawaii if it is devastated by a nuclear bomb or missile? Will the Sierra Club or the Hawaiian Foreign Nation members of dollars in funds, resource and space technology to protect the people of Hawaii?

5. You may agree that with the advancement of air travel, the members of the North Shore (Mainlanders) and Sierra Club members will be the first to fly back to the main land when Hawaii becomes threatened from nuclear missiles. This leaves the majority of Kauai residents digging in and preserving whatever they can (Stoveware and rebuild).

6. Based on the foregoing and a concerned American Citizen, it is my opinion that STAR'S be implemented and become a viable strategic site (Far West) as a part of the National Defense of the U.S.A. The State of Hawaii is an integral part of the U.S.A. and what act accordingly for all citizens of the U.S.A.

H.A.L.

1-95

DECLARATION OF SUPPORT FOR PMRF

- TO: SENATOR DANIEL K. INOUE
- SENATOR DANIEL K. AKAKA
- REPRESENTATIVE PATSY T. MINK
- REPRESENTATIVE NEIL ABERCROMBIE
- GOVERNOR JOHN WAIHEE
- SENATOR LEHUA FERNANDES SALLING
- REPRESENTATIVE EZRA KANOHO
- REPRESENTATIVE BERTHA KAWAKAMI
- MAYOR JOANN YUKIMURA
- KAUAI COUNTY COUNCIL

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Yours Truly:
 Mrs. Caroline Santos
 CAROLINE SANTOS
 P.O. Box 444
 PELOHA, HAWAII 96752

Signature
 Printed Name
 Address

(WRITTEN COMMENTS ON BACK)

(over)

1

EX91 (cont.)

As a worried & believe we should back up this project because of good relations within the state & community. Are we going to be like General Motors & the rest of the nation. Are you going to support the jobless pay for the people's rental & bills. There will be more crime than drugs to contend with. Think before acting on this matter. The people of the northshore depend a lot on Wilgore & H&D whereas the locals are the workers. I am not ashamed to say this. These people have time to protest anything. Thank you for your consideration on this matter.

Caroline Lester.

1-96

EX92

DECLARATION OF SUPPORT FOR PMRF

TO: SENATOR DANIEL K. INOUE
 SENATOR DANIEL K. AKAKA
 REPRESENTATIVE PATSY T. MINK
 REPRESENTATIVE NEIL ABERCROMBIE
 GOVERNOR JOHN WAIHEE
 SENATOR LEHUA FERNANDES BALLING
 REPRESENTATIVE EZRA KAMOH
 REPRESENTATIVE BERTHA KAWAKAMI
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Yours Truly;

Signature
 Printed Name
 Address

Rodney C. Martin

 RODNEY C. MARTIN
 PO BOX 1058
 KEKAHA HI 96752

(WRITTEN COMMENTS ON BACK)

1

EX92 (cont.)

I've built my home and I'm raising my family in the town of Keolu which is approximately 9 miles from the Stear's launch site. PMRF is basically in my back yard. I have faith in the men who run the "Range" department at PMRF many who also reside in Keolu with their families. The base has had and will continue to have a fantastic safety record under the leadership of the men and Captain Mullins. If I felt the lives of my family members and friends or the environment on Kauai would be jeopardized by this program I would not be signing this document in the interest of not only national defense but saving my planet, please read this program thru.

Thank you
Kel Mullins

EX93

DECLARATION OF SUPPORT FOR PMRF

TO: SENATOR DANIEL K. INOUE
 SENATOR DANIEL K. AKAKA
 REPRESENTATIVE PATSY T. MINK
 REPRESENTATIVE NEIL ABERCROMBIE
 GOVERNOR JOHN WAIHEE
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Yours Truly:

Signature
 Printed Name
 Address

Harriet K. Horibe
 Harriet K. Horibe
 P.O. # 373
 Lawai, HI, 96765

(WRITTEN COMMENTS ON BACK)

(over)

1-97

1

EX93 (cont.)

As an employee of Kekaha School, PMRF has been a welcomed neighbor. Throughout the years, the children of Kekaha School has received many many services from the personnel at PMRF. They have always been supportive and generous whenever the school was in need of assistance.

Should a shut down occur, the employees of Kekaha School will suffer a big loss.

1-98

EX94

DECLARATION OF SUPPORT FOR PMRF

TO: SENATOR DANIEL K. INUYE
 SENATOR DANIEL K. AKAKA
 REPRESENTATIVE PATBY T. MINK
 REPRESENTATIVE NEIL ABERCROMBIE
 GOVERNOR JOHN WAIHEE
 SENATOR LEHUA FERNANDES BALLING
 REPRESENTATIVE EZRA KANOH
 REPRESENTATIVE BERTHA KAWAKANI
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Yours Truly;

Signature _____
 Printed Name _____
 Address _____

Peggy Soti

 Peggy Soti

 Kekaha HI 96741

(WRITTEN COMMENTS ON BACK)

1

EX94 (cont.)

I support PMRF billy my father worked there for over 15 yrs and my brother also works there. I believe all this controversy is a pile of bull, I've been to several of the rocket launches and every precaution is taken by Sendia laboratories to ensure no one gets hurt.

They also scrub a bunch at the slightest hint of trouble; the people of PMRF work very hard at these jobs and should be supported by our government as much as possible.

Please dont let a bunch of fools ruin 100's of lives and distroy familys who work for a living.

Sincerely
Reggie [Signature]

1-99

EX95

DECLARATION OF SUPPORT FOR PMRF

TO: SENATOR DANIEL K. INOUE
SENATOR DANIEL K. AKAKA
REPRESENTATIVE PATSY T. MINK
REPRESENTATIVE NEIL ABERCROMBIE
GOVERNOR JOHN WAIHEE
SENATOR LEHUA FERNANDES BALLING
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MAYOR JOANN YUKIMURA
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Yours Truly;

Signature
Printed Name
Address

[Signature]
ROBERT INOUE
1420 W. 22
KAUAI KONA HI 96747

(WRITTEN COMMENTS ON BACK)

(over)

1

EX95 (cont.)

IM A DISABLE, VET. SUFFERING FROM AGENT CRANJE
FROM VIETNAM.

1-100

EX96

March 24, 1992

Dear Sirs:

I feel that SDIO programs for Kauai are safe. As an employee of the Pacific Missile Range Facility I would not stand by and let anything hurt my family, friends and neighbors. Missile launches have been conducted safely from Kauai Test Facility at PMRF for many years.

Signature Ken K. Mangan

Printed Name Ken K. Mangan

Address P.O. Box 2311, Lihue, Kauai, HI

City/Zip Lihue, HI

1

EX96 (cont.)

To whom it may concern,

I'm a firefighter at ~~the~~ Ewing Sands fire department on the Pacific missile Range facility.

I'm proud to work for and at PMRF KAUAI. So, it burdens and saddens me that these bunch of people are trying to stop the SDIO Programs.

By withdrawing this SDIO programs it inhibits our capabilities for surveillance and training. Therefore, we could be at risk of our occupations thus, these people don't realize about all the people who work here and their families who depend on PMRF in their livelihoods. So, this is why I'll stand behind our company and the SDIO programs to go ahead and continue with ~~the~~ programs. Also ~~the~~ Kauai's economy would be devastated by the loss of PMRF.

For this reason I say people who oppose the SDIO ^{and PMRF} programs are not concerned with our nation's welfare about defense.

Roni R.K. Murayama

1-101

EX97

March 24, 1992

Dear Sirs:

I feel that SDIO programs for Kauai are safe. As an employee of the Pacific Missile Range Facility I would not stand by and let anything hurt my family, friends and neighbors. Missile launches have been conducted safely from Kauai Test Facility at PMRF for many years.

Signature *Roni R.K. Murayama*

Printed Name RONI R.K. MURAYAMA

Address P.O. BOX 733

City/Zip WAILUA KAUAI HI 96791

1

EX97 (cont.)

3/24/92

TO WHOM IT MAY CONCERN:

I WISH TO SHOW SUPPORT FOR
THE SDIO PROGRAM AND THE PACIFIC
MISSILE RANGE FACILITY.

MY JOB, FAMILY & FELLOW WORKERS
DEPEND ON EMPLOYMENT TO SURVIVE.
WE FEEL MISSILE LAUNCHES ARE
SAFE, AS RECORDS WILL SHOW.

PACIFIC MISSILE RANGE FACILITY HAS
BEEN PART OF MY LIFE FOR THE PAST
13 YEARS AND HOPE TO KEEP IT FOR
THE REST OF MY LIFE.

MAHALO
Jason Y Chiba
NEASON / CHIBA

EX98

March 24, 1992

Dear Sirs:

I feel that SDIO programs for Kauai are safe. As an employee of the Pacific Missile Range Facility I would not stand by and let anything hurt my family, friends and neighbors. Missile launches have been conducted safely from Kauai Test Facility at PMRF for many years.

Signature *Wesley K. Yano*
Printed Name Wesley K. Yano
Address P.O. Box 984
City/Zip KEEAU, HI 96752

1-102

1

EX98 (cont.)

24 March 1992

To Whom it Concerns

I AM FOR P.M.R.F. AND THE "STARS" PROGRAM FOR THEY SUPPORT MY FAMILY. IT WOULD BE VERY HARD TO RAISE FAMILIES WITH-OUT A JOB.

I HAVE BEEN AT P.M.R.F. FOR 14 yrs AND I'D LIKE TO KEEP P.M.R.F. HERE FOREVER.

OUR CHILDREN CAN GO TO COLLEGE GET AN EDUCATION AND RETURN TO KAUAI AND HAVE JOBS AVAILIBLUE FOR THEM AT P.M.R.F

THANK YOU,
Wesley F. Johns

1-103

EX99

March 24, 1992

Dear Sirs:

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Signature Wesley F. Johns

Printed Name Wesley F. Johns

Address 1000

City/Zip 11111 11111

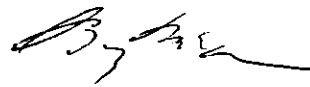
1

EX99 (cont.)

March 24, 1992

Concerning the SDIO programs on Kauai,

I am an employee at PMRF and I don't see why all the people don't like this base. The missiles aren't meant to hurt anyone. These missiles are for our future & children's future. Don't let these people who think they know everything about this situation judge the program. The Government should do what is right and keep this base open to better our national security!

Thanks
By 

1-104

EX100

March 24, 1992

Dear Sirs:

I feel that SDIO programs for Kauai are safe. As an employee of the Pacific Missile Range Facility I would not stand by and let anything hurt my family, friends and neighbors. Missile launches have been conducted safely from Kauai Test Facility at PMRF for many years.

Signature Richard J. Morris
Printed Name Richard J. Morris
Address 635P Kipapa Rd.
City/Zip Kapaa, HI 96746

1

EX100 (cont.)

Mar. 24, 1992

To whom it may concern,

I believe the issue here is not the "Storrs"
but someones idea to get the military out of the
area, and bring up the issue of a "National
Park" at Kaae and the surrounding areas,
more than 1/3 of the island, which includes
Polihale, and the site PMRF sits on, IT
was tried once before in congress, but the
military was present and the people did not
want a national park, so it died in congress.

Now they are trying again, only this time
they want the military out first. Remember
Kilauea light house, we could go anytime to visit
the area, now you have to pay a fee, a national
park will hurt the people, (Hunters, Campers, Vacation Homes,
etc.) No one will win in this case, the end come is
obvious.

Richard J. Mann

EX101

March 24, 1992

Dear Sirs:

I feel that SDIO programs for Kauai are
safe. As an employee of the Pacific
Missile Range Facility I would not stand
by and let anything hurt my family,
friends and neighbors. Missile launches
have been conducted safely from Kauai
Test Facility at PMRF for many years.

Signature Jim Pelegrino
Printed Name JAMES D PELEGRINO
Address BOX 1104
City/Zip LAWAI HI 96765

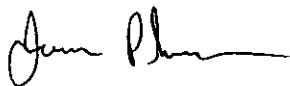
1-105

1

EX101 (cont.)

To whom it may concern,

I Am a member of the PMRF FIRE Dept.
and a strong supporter of all operations
that go on at PMRF. It saddens me
to hear people not supporting the United
States of America for the price of
Freedom. please support us in our
efforts to maintain our jobs, pride
and freedom



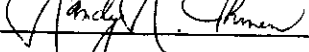
1-106

EX102

March 24, 1992

Dear Sirs:

I feel that SDIO programs for Kauai are safe. As an employee of the Pacific Missile Range Facility I would not stand by and let anything hurt my family, friends and neighbors. Missile launches have been conducted safely from Kauai Test Facility at PMRF for many years.

Signature 
Printed Name RANDY R. CHINEN
Address P.O. BOX 1133
City/Zip KEKAHA, HI 96752

+ Note: I've read the Draft EIS
and concur that these
launches are 100% safe!

1

EX103

March 24, 1992

Dear Sirs:

I feel that SDIO programs for Kauai are safe. As an employee of the Pacific Missile Range Facility I would not stand by and let anything hurt my family, friends and neighbors. Missile launches have been conducted safely from Kauai Test Facility at PMRF for many years.

Signature _____

Printed Name _____

Address _____

City/Zip _____

1-107

EX103 (cont.)

3/24/92

to whom it may concern,

I would like to say that PMRF is the only underwater tracking range in the Pacific & that's what the team forces use to train. And if the STARS Don't go through, the only Defense Systems that will intercept the incoming missiles and also have taking a lot of people's jobs. And further more the US military is helping Kauai's economy. And it don't like it just to be back from where you came from. Besides mostly vegetarians making the biggest noise.

1

Angie [Signature]

March 25, 1992

To the STARS Program Manager,

I support the STARS Program at PMRF.

You have a Green Range sir, let's pick up the count.

Signature: Lawrence Mirowsky

Print Name: LAWRENCE MIROWSKY

① ~~I grew~~ Prior To Moving To Hawaii I lived in the shadow of Cx 39A N F B at the Kennedy Space Center on Merritt Is. F

② ~~my current home here on Kauai is the same distance from~~

③ ~~But the I have~~

Much concern has been expressed by many people here regarding the environmental impact on the ecology of Kauai.

④ KSC is ~~located~~ a National Wildlife Sanctuary which encompasses an area that approximates the area of Kauai. ^{is}

⑤ The Audubon Society conducts annual surveys of various species Birds All ^{over} the ^{Island}

⑥ Visitors - Contrary to a deterrent to visitors VIC

Not only close off shore
But Ploghinda Beach
Closed for weeks not hours

Tech. is necessary to provide the
Vehicle of monitoring changes in atmospheric
condition caused by countries & Agencies
not controllable by

First of all, you lyin', wassaly, little ass- bucket bastards- let me say how typically callous and disrespectful it is of you to make us to stand down here at your crotch level, symbolically ready to kiss your ass.

(To audience) I hold in my hand the biggest pack of lies yet from the most notorious liars on the face of the planet- the U S army. Who would believe that these ass holes could come up with a bigger piece of deceitful garbage than their last pack of lies- the environmental assessment.

But why not. They're not here to really listen to us. They're here because they're legally required to sit here while we talk ourselves blue in the face to no avail.

But even though I'm no farmer, I know bullshit when I see it.

(To army) Please you murdering pack of money-crazed jackals- please send me ten more copies of your pack of lies- I need more toilet paper.

I'm furious. I'm more than furious- I'm seething with venom for you Manguo, for you ~~Smith~~ ^{Salis} and for your mouthpiece, that dishonorable blowhard, Senator Inouye.

I'm not gonna stand here and thank you for the opportunity to let you ignore me. I can't believe the parade of brave and intelligent people who've come up here and read the words that they wrote in anger with meek, submissive voices. Now is our turn to show our outrage.

In their name, here. (start tearing, wiping and throwing pages) Here's what I think of your god damn BIS. Take it back and shove it up your collective asses.

March 25, 1992

To the STARS Program Manager,

I support the STARS Program at PMRF.

You have a Green Range sir, let's pick up the count.

Signature: Richard L. Runny

Print Name: RICHARD RUNNY

EX107

March 24, 1992

Dear Sirs:

I feel that SDIO programs for Kauai are safe. As an employee of the Pacific Missile Range Facility I would not stand by and let anything hurt my family, friends and neighbors. Missile launches have been conducted safely from Kauai Test Facility at PMRF for many years.

Signature _____

Printed Name _____

Address _____

City/Zip _____

1

1-110

EX108

March 25, 1992

To the STARS Program Manager,

1

I support the STARS Program at PMRF.

You have a Green Range sir, let's pick up the count.

Signature: _____

Print Name: _____

EX109

DECLARATION OF SUPPORT FOR PMRF

TO: SENATOR DANIEL K. INOUE
SENATOR DANIEL K. AKAKA
REPRESENTATIVE PATSY T. MINK
REPRESENTATIVE NEIL ABERCROMBIE
GOVERNOR JOHN WAIHEE
SENATOR LEHUA FERNANDES SALLING
REPRESENTATIVE EZRA KANOHO
REPRESENTATIVE BERTHA KAWAKAMI
MAYOR JOANN YUKIMURA
KAUAI COUNTY COUNCIL

Dear Honorable Elected Officials:

By this letter, I affirm my support for the Pacific Missile Range Facilities, its people, and its progress. Recent controversy over a certain PMRF program has been supported by a vocal minority, largely from the North Shore communities of Kauai. Their true intent was revealed after the decision was made to do an Environmental Impact Statement in response to their protests--and that intent is to stop the program altogether, regardless of what the EIS determines.

This kind of attitude could be detrimental to the very existence of PMRF. A base closure is not unrealistic to consider. It would result in severe impact to the economy of Kauai. In addition to the loss of jobs, facilities such as hotels, restaurants, rental car companies, recreation oriented businesses, banks, super markets, gas stations, automobile dealers, parts suppliers, construction companies, hardware suppliers, computer related businesses, etc, etc, would feel the impact of a PMRF shut down.

There are many people like myself who have been silent throughout this controversy, and feel that its time to be heard. I am registering my confidence in the managers of the base and of the many programs at PMRF, that they are doing everything they can to ensure success.

PMRF has been a good neighbor and Kauai's high tech employer. It is a place to which our children can return to find challenging work. It directly supports our nation and its defense effort. We don't want an issue like this to spark thoughts of a base closure. Please evaluate the long term impacts and and make decisions wisely.

Yours Truly;

Signature _____
Printed Name _____
Address _____

(WRITTEN COMMENTS ON BACK)

1111

EX110

JoAnn A. Yukimura
Mayor

Gwen S. Harnabata
Administrative Assistant



4396 Rice Street, Suite 101
Lihue, Hawaii 96766

(808) 245-3585
FAX: (808) 246-4620

OFFICE OF THE MAYOR

TESTIMONY OF MAYOR JOANN YUKIMURA
ON THE STARS DRAFT ENVIRONMENTAL IMPACT STATEMENT
KAUAI WAR MEMORIAL CONVENTION HALL
March 24, 1992

Lt. Col. Manguso, Mr. Gallien, Mr. Michelson, Good People of Kauai and Niihau --

Aloha!

As I look out at all of the people who are here today, I am once again reminded of what an extraordinary community we have here on Kauai.

Yes, all of us here tonight, no matter what our position on STARS may be, are part of a tradition on Kauai. A tradition of caring about our island. Caring enough to come out and speak up, to listen, to be part of the discussion and dialogue. And I want to thank each of you for coming out tonight.

It's not easy. Sometimes it gets tense. Sometimes it is difficult to listen to someone who disagrees with us. Sometimes it's hard to speak up, to say what we feel. Other times it's hard to calm down and not get carried away in our passion.

But we keep stepping forward, because we care for our community, our jobs, our economy, our culture, and our island's environment: we care about each other.

1

STARS DRAFT ENVIRONMENTAL IMPACT STATEMENT
 TESTIMONY BY MAYOR JOANN YUKIMURA
 March 24, 1992

Page 2

And because we care about each other, we learn to listen, even when it's hard to do. Whatever your position on STARS, I know we all -- each one of us wants our children to grow up in a world at peace. World Peace does begin with me, with you, with us. We create the beginning of a peaceful world by how we relate to each other here and now tonight!

Before I make specific comments on the Draft Environmental Impact Statement (DEIS), I wish to make several acknowledgements.

First, to Senator Daniel K. Inouye, for his pivotal role in ensuring that this EIS process would occur.

Second, to Lt. Col. Manguso, Mr. Gallien and the other members of the project for the professional way in which they have gone about their jobs. I believe these gentlemen have sincerely attempted to get as broad an input as possible.

Third, to Captain Mullins for his honest and exemplary leadership. I have appreciated how Captain Mullins and his staff have been straightforward with the community and avoided any sensationalism. I am very impressed with his commitment to the community. Kauai is lucky to have such a fine leader at PMRF.

Before I begin my specific comments, I wish to reaffirm publicly my commitment to PMRF and the men and women employed at the base. I have always said that the PMRF is an asset to Kauai. It is the high tech center of our community -- the place to which our highly trained young people return to seek jobs after they

STARS DRAFT ENVIRONMENTAL IMPACT STATEMENT
 TESTIMONY BY MAYOR JOANN YUKIMURA
 March 24, 1992

Page 3

get their degrees. As the Draft EIS indicates, the average salary is higher at PMRF than with the County or the State. It is a world class training and testing facility having a match no where else in the world with its 1,000 square miles of electronically monitored ocean floor. It is the only place in the Pacific where you can have underwater, surface and air operations/monitoring. It is a very important employment center and industry for Kauai, especially the Westside. And it has been a source of volunteer and community assistance that enhances life on Kauai.

Let us be clear of the County of Kauai's and my commitment to PMRF.

Let us know that this hearing is about a project at PMRF, that this hearing gives us the opportunity to analyze the STARS project, and that this project of the U.S. Army needs to be independently scrutinized for its potential impacts on our community.

I would hope that we can all recognize this, so that anyone who questions the project is not automatically labeled as being against PMRF. If the STARS project is a good one, it will withstand scrutiny. This scrutiny is important for our environment, for our economy and for Kauai's future.

Let me now begin with my comments. My concerns fall into basically four areas:

STARS Benefits Questionable

First, an EIS covers not only the potential negative impacts, but also the benefits. Thus, the first question we all need to address is what is the benefit of the STARS program to our nation.

1

In recent months, the longstanding doubts of the STARS program have come to a crescendo, summarized in recent articles in Newsweek (3/23/92), The New York Times (2/22/92) and Washington Post (3/11/92) which are attached to my testimony. From the original SDI concept of a perfect shield to the more recent evolution of ground-based missiles, the actual feasibility of the objectives of the STARS program is under serious question. I call your attention to other attached articles in which experts are challenging the alleged effectiveness of even the Patriot missile. Especially in this time of national recession and savings and loan bailouts, the American public is less and less willing to spend hundreds of billions of dollars on a "pipe dream." In my mind, the benefits of the STARS program have not yet been shown.

Ozone Depletion

As for the negative impacts, while solid rockets are responsible for only a tiny portion of total ozone depletion worldwide, they are among the largest single source of ozone-

2

depleting substances. Given the particular problems of the ozone layer above Hawaii which we hear has been thinning out more rapidly than expected, and the importance of our sun-oriented visitor industry, I believe particular weight must be given to the issue of ozone depletion. As pointed out in testimony of Sierra Research, the DEIS has very little quantitative baseline data on existing air quality conditions. It also fails to properly evaluate impacts to the ozone layer over Hawaii. The quality of Hawaii's environment -- specifically, air quality and ozone protection -- is so important to the visitor industry and economy of Kauai and Hawaii that it can not be compromised.

3

Public Access to Beaches

One of the key components of life on Kauai and visitor satisfaction is the enjoyment of the shoreline and beaches. I am deeply concerned about the issue of access to a very popular coastline. According to the DEIS, one portion of the "Major's Bay to Polihale coastline" will be closed to the public for about two months out of the year. In addition larger areas will be closed for actual launches. Although each launch will take three hours to clear the area according to the DEIS, there could be more than one rehearsal per launch -- i.e., "false alarms," so to speak, which occur when the procedure does not result in a successful launch -- or when delays occur and lengthen closure time of the area. Furthermore, we know there will already be greater than four launches cumulatively. And STARS could just be

4

1-113

STARS DRAFT ENVIRONMENTAL IMPACT STATEMENT
 TESTIMONY BY MAYOR JOANN YUKIMURA
 March 24, 1992

Page 6

the beginning of more. Added to the times when regular PMRF testing and training require closure, the STARS program could gradually whittle away the public's right of access to the beach and ocean. Given the growing number of residents and visitors this is a very precious part of our lifestyle, especially the Westside lifestyle, that must remain intact.

Transportation of Hazardous Fuels on Public Roads

One of the key issues to me as Mayor, is the issue of public health and safety. I had thought that all transport of hazardous fuels would be by air and sea, not by public roads. However, the DEIS indicates that if sea conditions are poor, the alternative plan is to move the hazardous materials by public highway from Port Allen to the base. This is not acceptable to the County as the dangers are not worth the risk. I wish to note also that while Fire and Civil Defense, the two County agencies dealing with hazardous materials, have been consulted in the process, they have not been included in any of the transportation procedures or emergency planning, and this concerns me greatly.

Lastly, as Mayor of this County, my concern is for the spirit and identity of the islands of Kauai and Niihau. As we perceive ourselves, so we are, so we continue to grow and become. There is this special place of ours -- Kauai and Niihau -- where there is a special bond of a people to a land. It is a positive image. As a part of our own identity, and as an economic factor

5

STARS DRAFT ENVIRONMENTAL IMPACT STATEMENT
 TESTIMONY BY MAYOR JOANN YUKIMURA
 March 24, 1992

Page 7

in our visitor industry, the image of Kauai as a STARS launching site is not a positive one. For example, Point Mugu is known primarily as a missile launching site. We cannot, as a visitor destination, afford to have Kauai be known as a STARS missile launching site.

We see ourselves, and we constantly strive to be, a place of peace and aloha. To be known as the site of the STARS missile launching is contradictory. It is incompatible with the gentleness and beauty of our land -- the sparkling ocean, the sweeping landscapes of cane and open spaces and mountains. Especially if there is a bad accident, aside from the safety of our community, imagine what the image and reputation of Kauai will be. Imagine what impacts it would have on our visitor industry. It is important -- for us -- and our economic health, to have Kauai continue to be known for its specialness. An island of unspoiled scenic wonder, an island with that special quality of life.

In summary, the actual benefits of the STARS program have not been shown. Indeed, there are very serious doubts about the viability and value of the program to the defense of America. Instead of funding speculative ventures, let's give more money to the training and development of our armed services, which would hopefully give PMRF more work and income. And let us work on strengthening nuclear nonproliferation agreements and limiting missile technology transfers and arms sales -- real improvements

STARS DRAFT ENVIRONMENTAL IMPACT STATEMENT
TESTIMONY BY MAYOR JOANN YUKIMURA
March 24, 1992

Page 8

in international security.

And let us not compromise the environment, visitor industry, the economy, or the lifestyle of the people of Kauai.

1-115

SOCIETY
SCIENCE

A Safety Net Full of Holes

After nine years and \$30 billion, new charges brand the Star Wars defense effort a fraud

It seemed like a good idea at the time. In a speech on March 23, 1983, President Ronald Reagan described his vision of "intercepting and destroying strategic ballistic missiles before they reached our own soil . . . an effort which holds the promise of changing the course of human history." Nicknamed "Star Wars," the defense shield would replace the terror of mutually assured destruction (MAD) with the promise of demolishing any missiles coming America's way. From the start, though, many physicists and military officers warned that Star Wars was technologically impossible. Now, \$30 billion later, there is evidence that the Strategic Defense Initiative (SDI), as the Star Wars command is known, saw the flaws all along—and knowingly masked the program's failures and overstated its progress just to keep the money rolling in.

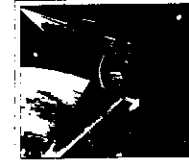
Engineer Aldric Saucier, who was fired from the SDI program last month, described in an op-ed piece in *The New York Times* last week a conspiracy within SDIO worthy of an Oliver Stone movie. He accused SDIO of "systematic illegality, gross mismanagement and waste, abuse of power and the substitution of political science for the scientific method." He said SDIO officials took money allocated by Congress for one program and spent it on another, and falsified data about the efficacy of such marvels as the X-ray laser in order to keep the dollars gushing in. In an interview with *Newsweek*, Saucier detailed allegedly false statements made by SDI officials about the effectiveness and cost of various systems, leading to underestimates of between \$222 billion and \$1 trillion. He charged that SDIO kept expenditures off the books, destroyed or hid thousands of scientific reports and data, and deliberately covered up fatal flaws in the systems. Saucier, chief scientist for Advanced Technology and Architectures for the army's Strategic Defense Command, concludes that Star

Wars will never provide an impenetrable umbrella against nuclear missiles.

Pentagon scientists criticize Saucier's work and even question his sanity. SDIO will not comment on his allegations, however, until the U.S. Office of Special Counsel, which investigates whistle-blowers' charges, finishes its inquiry into Saucier's firing. As far as SDI goes, however, Col. Simon P. Worden, the program's deputy for technology, calls it "one of the best-managed" advanced technology programs in all of government.

Battle stations: Doubts about SDI are not exactly new, however. From the beginning, Defense Department advisers such as physicist Richard Garwin of IBM have pointed out that a perfect nuclear shield either defied the laws of physics or relied on weapons that could be easily neutralized by Soviet countermeasures. Defensive battle stations in space would be easily shot down. Missile killers designed to pop up into space when an enemy launches ICBMs couldn't get aloft high enough and fast enough to intercept the missile before it spewed out multiple warheads. Claims for SDI, says physicist Theodore Postol of MIT, have "proven to be false and made without technical or scientific merit." Exotic new lasers, neutral- and charged-particle beams and electromagnetic rail guns, he says, all failed to live up to their billing.

This isn't news to some of the hot young physicists hired to build a nuclear shield. Elliott Kennel, a former air force nuclear engineer who worked on SDI in the mid-1980s, describes how, "by 1987, many of us



Ground-Based Laser

This \$1 billion free-electron laser shoots at a mirror, which reflects death beams at missiles. Stalled; SDIO prefers Pebbles.

The target: Independent warheads from the MX Peacekeeper missile, the kind SDI means to stop.

cocky whiz kids had realized that the game was over. We had tried very hard to fulfill the technical requirements of President Reagan's vision of an 'impenetrable shield' and failed."

And so quietly, secretly, SDI did what might charitably be called "evolve." According to a report from Congress's General Accounting Office, released last week by Rep. John Conyers, SDI lowered its sights in 1987 to discourage, not block, a massive Soviet missile attack. Taxpayers may not



Neutral-Particle-Beam Weapon
A \$700 million project, scrapped because of inaccuracy. Failed to recognize decoys or to reach needed power levels.



Brilliant Pebbles
8,000 orbiting missile interceptors, part of a \$46 billion-\$100 billion space and land-based system. Plagued by software and accuracy problems.



Space-Based Lasers
More than \$1 billion spent so far for X-ray and chemical lasers. X-ray hasn't worked; chemical lacks the power to kill missiles.

crecy. "If you keep all the technical data under wraps," says Kennel, "it's easy to keep it funded."

In fact, SDI has scored a few successes. In a 1990 test, a ground-based interceptor destroyed an unarmed missile. Of course, the defenders knew when the missile was coming and from where; deliveries from Baghdad would not be publicized beforehand. The Defense Department denies that SDI's goals have changed. Rather, it says that from its inception SDI was meant to "direct" a research program that will provide the basis of an informed decision regarding the feasibility of eliminating the threat posed by ballistic missiles. "Moreover, the Pentagon disagrees that deploying a space- and ground-based defense system poses significant technological challenges. The complexity of the software required to coordinate Star Wars, for instance, is no more daunting than programs that control nuclear reactors, it says. And in any case, argues SDIO, the system could operate with "minor errors or weaknesses." Of course, a missile defense that "doesn't work perfectly has failed completely," says John Pike of the pro-disarmament Federation of American Scientists.

New notes: How does the Star Wars calculus change now that the West has won

the cold war? The new justification for SDI is that emerging nuclear powers may not be deterred by mutually assured destruction. Even a single nuke from a martyr-minded nation could bring a holocaust. Star Wars has a better chance against a small barrage than a huge one, but that does not necessarily justify space-based missile killers. Infrared warning satellites spied every Scud that Iraq launched during the Persian Gulf War. Those satellites, teamed with 100 ground-based interceptors located in Grand Forks, N.D., argues IBM's Garwin, "would be simpler and more effective than... space-based interceptors." In part, that's because the Pebbles must hit a missile dead on in order to destroy it. Large antiballistic missiles

have realized it, but the billions of dollars were not going to buy Reagan's popular perfect defense. SDI switched course again in 1990 with the introduction of Brilliant Pebbles, a program to develop an armada of hundreds of small orbiting interceptors that would swarm toward incoming missiles and destroy them by impact. In 1991, SDIO conceded that Pebbles could protect America only against limited (up to 200 warheads) ballistic-missile attacks from anywhere (read: crazed Saddam-type dictators). Changing goals as it went along was central to what Saucier calls the main point of SDI: "to keep the research-and-development money flowing." That required se-

S O C I E T Y

JUSTICE

A Guillotine for Lawyers?

The Feds punish a firm for keeping secrets

(ABMs) might be more effective. Don't count Brilliant Pebbles out of the budget yet, though. Last week President George Bush nominated TRW executive Daniel Goldin to head NASA. Goldin worked on the Brilliant Pebbles contract at TRW.

The perceived success of ground-based defense in the gulf war ratcheted up the SDI budget. Says a congressional aide who has followed SDI for seven years: "The TV images of the Patriot were worth \$1 billion to SDI." That's how much additional funding Congress voted for SDI last year, after three years of flat or declining appropriations. Yet a study by MIT's Postol questions the Patriot's performance. Writing this year in the journal *International Security*, he argues that the Iraqi Scuds fell apart, as they homed in on their target, with no help from the Patriots. When Patriots that sped toward the fragmenting Scuds fired their warheads, the fireballs that resulted were mistaken for hits. His analysis of videotapes shows that Scuds flew by untouched. The army contends that Patriots were 80 percent successful in Saudi Arabia and 60 percent successful in Israel.

Since Saucier went public, says attorney Jeff Ruch of the Government Accountability Project, "people have been coming out of the [SDI] woodwork" with similar charges. Three congressional committees are launching inquiries into the allegations. Saucier has been reinstated in his job at SDIO pending review of his charges. Still, no one believes that a whistle-blower can bring down Star Wars. President Bush has requested \$5.4 billion for SDI next fiscal year, compared with \$4.1 billion in 1991-92. Yet SDI competes for scarce dollars with other defense programs. In an era of shrinking budgets, says a congressional aide, "the people who are going to kill SDI are in the Pentagon."

SHARON SEGLEY with DANIEL GLICK in Washington



Blowing the whistle: Physicist Saucier

Lawyers, watch thy necks. The French Revolution, he says, has come to American legal practice.

Last week a prominent Manhattan law firm agreed to pay a galling \$41 million to settle a federal suit arising from its defense of Charles Keating and his Lincoln Savings and Loan Association. The government's claim? The firm, Kaye, Scholer, Fierman, Hays & Handler— and three partners, including former managing partner Peter Fishbein—deceived federal banking regulators by withholding damning information about its client. Kaye Scholer's response? It was being treated like Malesherbes, the counsel-or-guillotined for representing Louis XVI before the revolutionary assembly.



Caught between the government and a client: Fishbein

Kaye Scholer admitted no wrongdoing as part of the settlement. The firm insists it is the victim of a crusade by an overly aggressive federal government caught up in the political frenzy of the savings and loan scandal. The partners were particularly upset that the government took the draconian step of freezing its assets in order to extort a settlement. Freezing assets pending trial is a tactic typically reserved for drug dealers and other lower lowlives presumed likely to hop the next flight to Rio. "They bludgeoned us into a settlement," says a source close to Kaye Scholer, citing the firm's inability to get credit and mounting bad publicity. "Freezing our assets makes us look like John Gotti." Yet skeptics in the legal community wonder why the 400-lawyer firm, whose profits per partner in 1990 reportedly were \$660,000, caved within days of the \$275 million suit being filed. "If they had full confidence they could beat the rap," says Prof. Charles Wolfram of Cornell law school, "they wouldn't have settled."

Besides sending tremors through blue-chip law firms around the country, the Kaye Scholer episode once again raised that trickiest of ethical quandaries facing a lawyer in an adversarial system—how to draw the line between zealous representation and active deceit, when to conceal the client's confidences and when to squeal. The rule in most American jurisdictions is

that the lawyer may disclose a confidence only to prevent an imminent, violent crime or to prevent perjury. Within the peculiar prescriptions of legal ethics, one classic case is easy: your client admits killing her husband. You can't put her on the witness stand to deny the crime, that, after all, would be a lie. But neither can you go to the D.A. and reveal the confession; that would be a breach of your obligations to the client.

Crash time: Now take the classic case that's more disconcerting. Your client is sued after a car accident. On the stand, he's asked by the prosecutor if he was wearing his glasses at the time of the crash. Yes, he says he had his sunglasses on. End of that line of questioning. Trouble is, you know those sunglasses weren't his prescription and that your client was thus blind. Should you speak up? If you did, you could be disbarred.

Is there a difference between that example and Kaye Scholer's alleged wrongful concealing of information? Perhaps, since the government argues that the firm's failure to disclose information made it a direct participant in bilking taxpayers out of millions. Moreover, the government seems to suggest that practicing before regulators carries special strictures of candor. If that's true, it presents an impossible choice to lawyers with slippery, unpoplar clients—blow the whistle on them or remain ignorant of things they might have in reveal later. Otherwise, it's off to the tumbrel.

DAVID A. KAPLAN with BOB COHN in Washington

New York Times Feb. 22, 1992

It's Lunacy to Keep 'Star Wars' Alive

By Flora Lewis

WASHINGTON — The U.S. and Soviet Union are heading toward arms reduction agreements that will cut nuclear missile arsenals dramatically. That makes it all the more preposterous to go ahead with the "Star Wars" program. The plan to establish a joint early warning center to detect ballistic missile threats from almost any point on the globe offers an effective and symbolic measure of the new Russian-American relations.

Other countries will be invited to join. That doesn't go nearly far enough to control proliferation of missiles. But it will be a good start in showing that major countries are prepared to act together against the techniques of aggression and black-

mail they themselves invented. It is mindless to develop new devices that may or may not work but would surely promote the technological arms race the world wants to end. Early claims that the original Reagan idea provided perfect protection and that the space-based X-ray laser would make it work were abandoned as sheer fantasy long ago. When the U.S. realized the X-ray laser and an impenetrable shield were delusions, it switched its focus to "Brilliant Pebbles," a vast number of space-based non-nuclear interceptors that might stop some missiles. It is continuing on that course: President Bush asked for more than \$5 billion for it in the new defense budget — an increase over last year's \$4.2 billion appropriation.

The official argument for it is called Global Protection Against Limited Strikes, meaning accidental launches or small-scale attacks by rogue states such as Libya or Iraq. It sounds logical until you look at alternatives and details.

A better way to insure against accidental or unauthorized launches (which have never happened) is to help the Russians improve their control systems, as the U.S. is doing in offering to help transport their missiles for dismantling and keep their scientists employed so they won't be tempted by nefarious foreign offers.

Destroying third world intercontinental missiles, if it should ever become necessary, can easily be done on the ground. Testing and production can't be hidden, and there should no longer be a problem of getting a Moscow-Washington agreement to get rid of them by non-nuclear bombing long before such a threat could become operational.

The more realistic threat is medium-range missiles, which were banned by a Soviet-American treaty applying only to both superpowers. It should be extended to all countries, and any that refuse to sign and accept inspection would brand themselves potential violators susceptible to international punishment.

The Russians know all this. Why

"It's easier [for bureaucrats] to find a new argument than to find a new job. If Mr. Bush can't get the 'Star Wars' out of his eyes-- and he obviously doesn't want to --Congress must bring him down to earth."

then are they asking to join the "Star Wars" program, which Ronald Reagan promised they could do and President Bush has refused to permit?

The answer, according to Yuri Voronin, who is expected to become the new Russian Foreign Minister, is simply that if the U.S. insists on what he calls its "beloved baby" Moscow fears being left out.

Although, geographically Russia would be far more vulnerable to a third world missile threat than the U.S., Mr. Voronin says Russia would cancel the whole "Star Wars" idea if Washington agreed. He says Moscow hasn't pushed in this direction because it is convinced Mr. Bush won't give up his "beloved baby."

There is more convergence here than meets the eye. Bureaucrats don't want to give up their programs and their budgets. It's easier to find a new argument than a new job. If Mr. Bush can't get the "Star Wars" out of his eyes — and he obviously doesn't want to — Congress must bring him down to earth.

"It is mindless to develop new devices that may or may not work but would surely promote the technological arms race the world wants to end."

Flora Lewis is Senior Columnist of The New York Times.

THE WASHINGTON POST

WEDNESDAY, MARCH 11, 1992 A7

'Star Wars' Plan Invites Problems, GAO Warns

By George Lardner Jr.

The Strategic Defense Initiative faces still more delays, escalating costs and performance problems in the next few years if it fails to overcome "tremendous technological challenges" confronting it, the General Accounting Office warned yesterday.

In a report to House Government Operations Committee Chairman John Conyers Jr. (D-Mich.), GAO investigators said the dangers are raised by the Defense Department's plans to proceed with a system that uses ground- and space-based interceptors.

"The Star Wars program is floundering. Conyers charged. They haven't a clue where they are going or how to get there. They are mired in confusion and drowning in useless, redundant studies."

"Such a system will push the cutting edge of technology," the report said, stressing the risks of making the space-based interceptors, known as "Brilliant Pebbles," an effective component. "SDIO [the Strategic Defense Initiative Organization] must rely on some technologies that are as yet unproven and learn how to integrate them into a reliable system."

"Designing, developing and deploying a system with these uncertainties," GAO said, "increases the risk that the system will not provide the level of protection SDIO currently promises."

Conyers summed up the report in blunter terms. "The Star Wars program is floundering," he charged. "They haven't a clue where they are going or how to get there. They are mired in confusion and drowning in useless, redundant studies."

SDIO officials have changed their approach to the program, popularly known as "Star Wars," several

times since President Ronald Reagan launched it in 1983, "consuming billions of dollars along the way," the report noted.

It originally was intended to defend the United States against a massive Soviet attack, but President Bush in January 1991 prescribed a more modest goal of defending against limited strikes. Last December, Congress enacted the Missile Defense Act, calling for deployment of a system that would protect the United States, its forward deployed troops and allies against accidental or unauthorized launches from any country.

The new law emphasized a ground-based defense by providing for deployment of 100 interceptors at Grand Forks, N.D., by 1996. But it also authorized \$485 million for research and development of Brilliant Pebbles, a proposed constellation of 2,500-pound rockets that would circle Earth, waiting to swoop down on enemy missiles.

Defense Department officials say the entire system, known as GPALS (Global Protection Against Limited Strikes), will cost \$48.8 billion through 2005, but Congressional Budget Office analysts recently put the figure at \$87.5 bil-

"Designing, developing and deploying a system with these uncertainties," GAO said, "increases the risk that the system will not provide the level of protection SDIO currently promises."

lion. According to CBO estimates the cost will be close to \$100 billion if expenses for secondary research, operations and support for ground-based systems, and needed replacements for the Brilliant Pebbles interceptors are counted.

The GAO report said a major problem stems from the lack of any stable architecture, or definition, of the GPALS system and the relationship among components. If the controversial Brilliant Pebbles are in-

"...Confusion and duplication of effort could already be occurring" in the crucial area of battle management for the entire system.

tegrated into the system but never deployed, systems design and engineering costs may be wasted. On the other hand, if they are not included in the architecture and are "later deemed desirable," the report said, costly redesign and re-engineering work will be necessary.

The 1991 law does not say whether Brilliant Pebbles should be integrated into the architecture, but SDIO officials say they are including them. The GAO report recommended that the Pentagon give Congress an analysis of the costs of incorporating them and then not deploying them, as well as the costs of excluding them and then deciding to use them.

The report said SDIO has added to the risks of the design and development effort by assigning integration work to different contractors "without identifying the exact subsystems" to be used in GPALS's ground-based segments, thereby increasing the danger of incompatibility. GAO said officials at the Army's Strategic Defense Command and the Air Force's Electronic Systems Command have stated that "confusion and duplication of effort could already be occurring" in the crucial area of battle management for entire system.

Defense Department officials told GAO they did not agree with the report's descriptions of the complexity of the GPALS system and "the immaturity" of some critical technologies, but GAO said the Pentagon failed to offer "convincing evidence" to support its objections.

EX111



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This is a representation of a 3 x 4 foot painting sent to Ambassador Henry Cooper.

CHAPTER 2
COMMENT LETTERS

CHAPTER 2

COMMENT LETTERS

This chapter presents copies of the comment letters received during the public comment period. The public comment period ran from February 28 to April 13, 1992. A total of 510 comment letters were received during this period. Included in this section are copies of letters received by Senator Inouye regarding the Strategic Target System Draft EIS (WR329 through WR495). The commentor number appears in the upper left corner and categorized comments are shown in the right margin.

WR1

February 16, 1992

Dear Lt. General Hammond,

I am a mother of two young sons who live on Kauai. What can I do to convince you that to continue with the STARS program would be a disaster to our island? Both in safety terms and when you consider how this will affect tourism (our main money maker) as well as polluting the air, land and seas. I can seriously think of better things to do with these missiles and better things to do with the time spent on the STARS project. I understand you have the final say on whether this program will become active. Please don't let it happen. I feel that Kauai is an unspoiled paradise and I feel safe here. I would not feel safe if these missiles were launched. Yes, I have read the statistics. Please consider my letter and request. Thank you for putting yourself in my shoes

Sincerely,



Ruth Ann Lester

6599-A Kuhoho St.

Kapaa, Hawaii

96746

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WR2

March 7, 1992

COMMENTS ON THE DRAFT ENVIRONMENTAL IMPACT STATEMENT (DEIS) FOR THE STRATEGIC TARGET SYSTEM (STARS)

The February 1992 DEIS for STARS does address many important issues which were not adequately treated by the original STARS Environmental Assessment (July 1990) or by the Supplement (July 1991), but there are still some serious deficiencies. Areas that need more work are possible launch failures, the impacts on air quality, and the cumulative effects of all launch activities at the Pacific Missile Range Facility (PMRF).

1) On page 4-53, it is stated that it is unlikely that any flights would have to be terminated because of "an overall system reliability of 97 percent and a higher individual component reliability." Presumably most components can be tested separately to determine their reliability. One could then calculate the reliability of the whole system assuming that failures of components are independent. Is this how the overall system reliability is determined? The crucial test of this calculation is to actually do test launches of the entire system. Some information should be given about the results of previous test launches of Polaris boosters to allow a better judgment of the likely reliability of the STARS booster. It should also be noted that, if the probability of a successful individual launch is 97%, the probability of 40 successful launches is only 30%.

The scenario described on page 4-53 in which the booster is destroyed because it had pitched back toward the island should be considered in more detail. This scenario is similar to the Arius launch failure at Cape Canaveral on Aug. 20, 1991. Press accounts of the Arius failure stated that the destruct command from the ground was issued 23 seconds into the flight and that burning debris hit the ground "a few miles from the launch pad." The STARS EIS should indicate to scale on a map of the area around PMRF where debris from a similar failure would hit the ground. The Arius failure also calls into question whether a similar STARS failure could be detected and the destruct command issued in 15.1 seconds, as assumed in the DEIS.

2) The discussion of the TRPUF and REEDM computer models used to calculate the concentrations of hydrogen chloride, carbon monoxide, and particulate matter is still inadequate. No detailed evidence is given to support the preference for the REEDM predictions as the better estimator. It is hard to understand why these two models should give results which differ by factors of 10 to 400 and, incredibly, the comparison of the models was not done for the same wind speed. In Tables 3-1 and 3-2 of the Supplement to the STARS EA, TRPUF results are given for a wind speed of 0.46 m/sec but these results are not included in Tables 4-3 and 4-5 of the DEIS. These results are important because the carbon monoxide concentration is predicted by TRPUF to exceed the Hawaii 1-hour air quality standard at the boundary of the launch hazard area. The REEDM results in the DEIS also do not seem consistent with those given in the Supplement. For example, the peak instantaneous concentration (which should be nearly independent of the wind speed) of hydrogen chloride at a distance of 1000 meters is given to be 0.252 ppm in Table 4-5 of the DEIS but is 0.027 ppm in Table 3-1

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WR2 (cont.)

of the Supplement. Such discrepancies cast considerable doubt on the reliability of the results quoted for REEDM. My conclusion is that the information in the DEIS is not sufficient to have confidence that STARS launches will have no significant impact of air quality. The TRPUF and REEDM models need to be compared for the same wind speed and data from previous launches should be used to try to decide which model is the better estimator. Neither of these has been done in the DEIS.

A related area that I feel needs more justification is the fuel vent experiments. These experiments would cause ozone depletion and produce suspected carcinogens and transporting and storing the hydrazine fuel needed for these experiments is very hazardous. For these reasons, it seems to me that the STARS EIS should consider the "no action alternative" for these experiments specifically

3) The cumulative impacts of all planned launch activities at PMRF need to be clarified and considered in more detail. For example, on page 2-25 it is mentioned that, during the ten years of STARS launches, there would also be three EDX and eight Vandal launches per year in some years. Appendix C indicates that the ground hazard area around PMRF for these launches might have to be cleared as many as thirty times per year. The Vandal launches were not mentioned in the original STARS EA or the Supplement and the cumulative impacts of all these launches is considered only on land use in the DEIS. Other cumulative environmental impacts of these launches also need to be considered; if other major launch programs are contemplated during the ten years of the STARS launches, they should also be included in the assessment of cumulative impacts in the STARS EIS.

Finally, the evaluation of the significance of some of the environmental impacts identified in the DEIS is inadequate. An obvious example is the discussion of freon release on pages 4-20 to 4-21. The 360 kilograms of freon 114B2 (also known as halon 2402) that would be released yearly by STARS launches is compared to the current amounts of CFC's in the stratosphere, but no mention is made of international agreements, such as the Montreal Protocol, whose goal is to reduce dramatically the production and use of these ozone-depleting chemicals. Viewed in the context of these international efforts and efforts by the State of Hawaii to help protect the ozone layer, freon release by the STARS launches looks much more significant. In other areas, judgments of significance are more subjective but the DEIS seems to have an equally self-serving view. Increasing the fraction of time that parts of the PMRF recreational areas are closed to the public from 30% to 58% may be more significant to residents and visitors to Kauai than to the authors of the DEIS. One wonders if the DEIS authors would consider an increase in their income tax rate from 30% to 58% to be significant.

Michael Jones

Michael Jones
Physics Dept.
Univ. of Hawaii
2505 Correa Rd.
Honolulu, Hawaii 96822

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WR3

Deputy Commander re: Missile testing on Kauai, Hawaii

As a concerned citizen of Kauai I demand that you keep missile testing off our island.

You people have no idea of the delicate balance of the environment here. The impact and hazards are too great to overlook.

I suggest you test the missiles in your own back yard & see how you like it.

We don't want any part of your star wars program on our peaceful, beloved island.

Monica Uelanda
2-5-92

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WR4



ALABAMA AGRICULTURAL AND MECHANICAL UNIVERSITY

NORMAL, ALABAMA 35762

OFFICE OF THE DIRECTOR
J. F. DRAKE MEMORIAL LEARNING
RESOURCES CENTER

POST OFFICE BOX 489
TELEPHONE (205) 891-5704

February 27, 1992

Col. Robert S. Troth
Acting Deputy Commander
Department of the Army
U.S. Army Strategic Defense
Command - Huntsville
P. O. Box 1500
Huntsville, Alabama 35807-3801

Dear Col. Troth:

This is written to acknowledge the receipt of a copy of Draft Environmental Impact Statement (DEIS) for the Strategic Target System program at the Kauai Test Facility (KTF). On behalf of the faculty and staff of the Learning Resources Center, I would like to express our sincere appreciation to you for sending this copy to our Learning Resources Center.

We look forward to your continued support.

Sincerely,
Birdie O. Weir
Birdie O. Weir, Director
J. F. Drake Memorial Learning
Resources Center

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WR5

March 10, 1992

Deputy Commander
U.S. Army Strategic Defense Command
C55D-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

Dear Sir:

I want to let you know that I am against the establishment of the STARS program here on the island of Kauai. I am a resident of this beautiful island and feel that the program is too risky for the people that live here and for the environment.

Please investigate and choose another location. Thank you.

Sincerely,
Kathie J. Mackey
Kathie J. Mackey
1140 Hoala, #1811
Hue III 914166

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WR6

147 Royal Drive
Kapaa HI 96746
March 16, 1992

Deputy Commander, USA SDC
CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville AL 35807-3801

Dear Sir:

I am writing with the strongest plea possible to urge the SDI Program to be removed from my island, Kaua'i. Numerous reasons underlie my concern. One of the strongest relates to efforts currently under way to provide native Hawaiians with at least the same rights as other native Americans. In creating a sovereign Hawaiian nation it is imperative that lands illegally taken from them be returned to their governance. Hawaiian homelands near the Pacific Missile Range Facility may well be incorporated in the Hawaiian nation. You, no doubt, are familiar with steps taken by the Congress at the initiative of Sen. Daniel S. Inouye regarding Hawaiian sovereignty.

Launching a long-term SDI testing program next door to land that could someday mean homes for native Hawaiians may not be a wise investment of Army resources.

Please hear out the people of Kaua'i before they are forced to civil disobedience.

Sincerely,



Robert E. Levine

March 19, 1992

6335 B Waipouli Rd.
Kapa'a, HI 96746

To Whom It May Concern:

As a citizen of Kaua'i and of the world, I want to register my dislike, disapproval and disgust regarding the U.S. Army's testing of its Strategic Target System at Barking Sands, or anywhere else. In my study of the Army's draft EIS, the main purpose of Reagan's Star Wars program is to seek out and destroy "enemy" Intercontinental Ballistic Missiles coming toward us from some mythical bad guys.

Wake up Americans! We are the enemy! We just pulverized hundreds of thousands of people into dust in the Persian Gulf, so that our President and his military/industrial/bureaucratic profiteer friends can continue to get rich at everyone else's expense. They conveniently left Hussein alive, so they can justify their outrageous defense expenditures into the future, like the Star Wars program.

Not content to bring misery, starvation and death to millions of innocent people in other countries, the military now asks our permission to test their death machines over our very heads, on this Island which they stole from the native people in a military taking ninety nine years ago. They want us to agree that their own EIS mitigates all concerns that we may have. Of course it doesn't. It's a self promotion scam put together by the Army's Strategic Defense Command in Huntsville, Alabama. My concern is that the Star Wars program continues to exist, at all.

I urge my fellow citizens to speak loudly against this disastrous course of action, and further, to demand that the Army closes down its PMRF base, gives the land back to the Native Hawaiian people, and leaves the Hawaiian Islands forever!

Angrily, Fred Dente



cc: U.S. Army Strategic Defense Command, Huntsville, Alabama

The Kauai Times, Lihue, Hawaii

Responsible Citizens For Responsible Government, Hanalei, Hawaii.

WR8

206 S. Grove #10
Urbana, IL 61801

March 19, 1992

Deputy Commander
U.S. Army Strategic Defense Command
CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, AL 35807-3801

re: Draft Environmental Impact Statement for
Launch of Strategic Target System vehicles from the Kauai Test Facility at the
Pacific Missile Range Facility on the island of Kauai, Hawaii

As an environmental engineer with a background in aerospace, I find the Draft Environmental Impact Statement (DEIS) an interesting study of the effects of a new research program involving the launch of rocket systems.

While I found the document to be generally well thought-through and professionally prepared, there are a few areas with which I would like to take issue. I will attempt to deal with them in the order in which they are presented in the DEIS.

2.1.1 Flight Preparation

"Approximately 45 additional temporary personnel will be required for all Strategic Target System operations...."

•At no point in the rest of the DEIS are the impacts of these personnel on the environment discussed.

2.1.1.2 Booster Flight Preparation

First-Stage Booster Reliability

"Case-to-insulation separation has been shown by studies and testing not to affect ballistic performance."

•What is the source of this information?

4.3 Air Quality

4.3.1.2 Launch Activities

Aluminum Oxide and Particulate Matter

•In this section, possible problems were suggested, but were quickly discounted by first denigrating the chosen TRPUF model as only a "screening" tool, and then stating "Aluminum oxide is considered an inert, nuisance particulate with no significant toxic effects to humans."

If this is true, why was it considered at all? And upon what is the "no significant toxic effects" based? What is "significant" entail? As one who has dealt with the failings of using animal models, and one who has seen a great deal of circumstantial evidence that causes me to give aluminum respect, I find it frustrating to have this issue brushed away so casually.

Carbon Dioxide Levels

•Most everyone's contribution to the greenhouse effect are "minute." Yet every minute addition adds up.

Also, the effects of transport of the materials, personel, etc. for the project are never discussed. Increased motorized traffic and aircraft or boat journeys from the mainland contribute to the impact on the environment, especially air quality, as well as the fragile carrying capacity of the island.

WR8 (cont.)

Impacts on Stratospheric Ozone

Booster Exhaust Emissions

•The comparisons to the rest of the space program of the U.S. is misleading. Merely because there exists a greater contributor to an environmental impact does not make the smaller impact insignificant. Especially in the case of the issue of ozone loss, where the effects are not well known, and the consequences could be tremendous.

"...it is estimated that the Strategic Target System program could result in an annual global ozone loss in the range of 0.00001 to 0.0001 percent." This quote is striking! One small program, which is being presented as having no impacts, can have a significant contribution to what some consider to be the greatest threat to mankind.

"Plant species appear to be sufficiently adaptable so that food crop yields would be maintained." This is a controversial statement. A great deal of literature has suggested that the crops used now to produce the bulk of the food for the U.S. may be extremely vulnerable to changes in exposure to ultraviolet rays, since the genotypes of the crops are becoming increasingly focused and specialized.

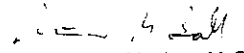
It seems extremely misleading to separate out the effects on ozone between the booster emissions and the freon released. This is even admitted: "The release of Freon...will not, by itself, significantly affect stratospheric ozone levels." [emphasis added] Why then, was it treated separately from the other ozone-depleting chemicals involved with the program.

I am shocked that the addition of "0 to 1 nonmelanoma skin cancer annually to the total United States population" is not found to be "significant". It is outrageous that the rest of the world, which will pay the price for this program as well, are just ignored! Using rough calculations, this program, by the Army's own admission, add 20 skin cancer cases to the world each year! This strikes me as quite significant.

While a case is well made by the DEIS that the impacts of the Strategic Target System are minor relative to other programs, the impacts must be evaluated on this specific case's merits.

Is the refinement of tracking techniques worth the increased, however minor, encroachment of humanity into the environment of Kauai? Will the advancements gained by this program offset the lives of those individuals stricken with cancer? On a political level, is the money to be spent on this program best serving the case of security and peace in these changing times?

To my mind, this program cannot adequately argue the affirmative for any of these questions.


Matthew M. Ball

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WR9

March 25, 1992



1521 I Street
Sacramento, CA 95814
(916) 444-8666
Fax: (916) 444-8373

Deputy Commander
U.S. Army Strategic Defense Command
CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, AL 35807-3801

Subject: Comments on Draft Environmental Impact Statement for the Strategic Target System

Dear Mr. Gallien:

Enclosed please find our comments on the air quality portions of the Draft Environmental Impact Statement for the Strategic Target System program proposed for the Kauai Test Facility and Pacific Missile Range Facility. The comments indicate a number of areas where we believe the Draft EIS is inadequate.

Please don't hesitate to call if you have any questions or need additional information.

Sincerely,

Gary Rubenstein
Senior Partner

encl

cc: w/encl
Mayor Joann Yukimura, Kauai County

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WR9 (cont.)

Comments of
Sierra Research
on the
Draft Environmental Impact Statement
for the
Strategic Target System

March 19, 1992

The following comments address the air quality related portions of the Draft Environmental Impact Statement for the Strategic Target System, dated February 1992.

1. The DEIS fails to describe the existing air quality and emissions sources in the vicinity of the PMRF in adequate detail.

The discussion of existing air quality in the vicinity of the PMRF is limited to a single paragraph (p. 3-15) which states that "[a]ir quality in the vicinity of PMRF and KTF is generally excellent". This treatment of the environmental setting is inadequate to allow for an analysis as to whether the air quality impacts associated with the STS, in conjunction with existing air quality levels, could result in significant cumulative air quality impacts.

In particular, this discussion of the affected environment should include a summary of particulate data from the Lihue monitoring station for at least the last five years, along with a discussion as to how air quality at the PMRF would likely compare with the measured data in Lihue. In addition, available data from other monitoring stations (either on Kauai or on neighbor islands) should be summarized to present a general description of existing air quality levels at PMRF. The Hawaii Department of Health should be consulted to determine which monitoring stations would be most likely to represent conditions at PMRF.

The discussion of existing emissions sources at PMRF and KTF is similarly inadequate. This section should be expanded to include an estimate of emissions in recent years associated with the following sources:

- PMRF Diesel-powered generators
- KTF Diesel-powered generators
- Rocket, drone and target launches from the facilities
- Burning of cane fields
- Vehicle traffic associated with PMRF and KTF material/supply deliveries, employees and visitors

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These data should be presented on an episodic basis (e.g., per day of activity) and on an annual basis, for comparison with the increased emissions associated with the proposed project.

2. The DEIS fails to quantify the estimated emissions associated with construction of STS support facilities.

Construction dust emissions were identified as one of the air quality issues during the scoping process (DEIS, p. 1-8). Despite this fact, the DEIS contains no estimate of construction dust emissions, or of the impact that these emissions would have on air quality in the vicinity of the PMRF. The DEIS should contain an estimate of dust emissions, as well as of emissions for criteria pollutants from construction equipment. Any mitigation measures which are a project design feature, such as the water application measure discussed at p. 4-6 of the DEIS, should be described in detail (i.e., frequency of dust suppressant application, type of suppressant used, etc.).

3. The DEIS fails to quantify the emissions associated with solvent use, storage and handling.

Although the DEIS indicates that "small quantities" of industrial solvents may be used for cleaning during vehicle assembly (DEIS, p. 4-6), no estimate of emissions associated with the use, storage and handling of these solvents is presented. The DEIS fails to provide adequate information to allow a reviewer to determine whether the quantities involved are, in fact, "small".

4. The DEIS fails to discuss the emissions associated with the transport of fuel and vehicle components to the PMRF and KTF.

The DEIS indicates that the main components of the STS vehicle (boosters, payloads, control electronics, navigation system) are tested in the continental United States and shipped to KTF for integration into the flight configuration (DEIS, p. 2-6). However, the DEIS fails to discuss the emissions associated with the transport of these components via aircraft, ship/barge and/or truck to the KTF. Emissions for each potential transport route should be estimated and included in the project emissions totals.

5. The DEIS fails to discuss the additional emissions from increased Diesel electric generator operations associated with the STS project.

At several locations in the DEIS, the presence of Diesel electric generators at the PMRF and KTF is mentioned. (See, for example, p.3-15, p.3-47, and p.4-71.) The DEIS indicates that KTF operates two 300 kw Diesel electric generators which switch on automatically at any time KTF demand goes over 120 kw (DEIS, p. 3-47). The DEIS further indicates that STS demand for electricity will exceed this level (DEIS, p. 4-71), thus resulting in increased use of the two 300 kw Diesel generators.

However, the DEIS fails to quantify the increase in emissions associated with the increased Diesel generator operations. The DEIS should contain an estimate of increased Diesel generator emissions associated with the STS program. In addition, the DEIS should include a discussion as to whether this increase in operation of the Diesel generators is consistent with the Authorities to Construct issued for the generators by the Hawaii Department of Health.

6. The DEIS fails to estimate the increase in emissions due to increased vehicle traffic associated with temporary support personnel.

The DEIS indicates that flight testing and launch activities for the STS program would consist of up to four launches per year over a ten year period (DEIS, p. 4-73). The DEIS further indicates that each launch would require approximately 45 temporary support personnel for a one month period. However, the DEIS fails to estimate the increased emissions due to the increased vehicle traffic associated with these temporary support personnel.

7. The DEIS fails to properly estimate the oxides of nitrogen (NOx) emissions associated with launch activities.

The DEIS identified emissions of nitric oxide (NO) as a significant issue raised during the scoping process (DEIS, p. 1-8). However, the treatment of this issue in the DEIS is limited to the conclusory statement that "[t]he Strategic Target System chemical propulsion system is not reported to produce nitrogen oxides emissions" (DEIS, p. 4-18). This statement is not supported by technical references, and is inconsistent with previously published information on this subject.

For example, NASA Technical Memorandum 78753, "Launch Vehicle Effluent Measurements During the May 12, 1977, Titan III Launch at Air Force Eastern Test Range" (G.L. Gregory, et al, January 1979) reported NOx concentrations as high as 1,000 $\mu\text{g}/\text{m}^3$ within the plume of a Titan III launch vehicle. While these concentrations at elevations of 1000-1500 meters are not representative of ground level concentrations, they clearly indicate the inaccuracy of the conclusion in the DEIS.

In a more recent analysis, the Environmental Assessment for the Testing of Solid Propellant Rocket Motors at Edwards Air Force Base (Department of the Air Force, December 1986) estimated a conservatively high NOx emission rate of 22,000 pounds per 2-minute test burn of either a 2-segment rocket motor or a 5 $\frac{1}{2}$ -segment rocket motor. This estimated emission rate was determined based on an analysis of the data from the 1977 Titan launches discussed above. If these emission rates were scaled based on the weights of the test motors, the emissions associated with the complete burn of the STS launch vehicle propellant would be as follows:

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WR9 (cont.)

Titan 2-segment motor:	206,120 lbs propellant
	22,000 lbs NOx
-	106.7 lbs/1000 lbs propellant
Titan 5 $\frac{1}{4}$ -segment motor:	465,800 lbs propellant
	22,000 lbs NOx
-	47.2 lbs/1000 lbs propellant
STS motor:	30,451 lbs propellant
-	1,437 - 3,249 lbs NOx

The initial work performed by the USAF in the 1986 Environmental Assessment suggested that NOx emissions were less a function of the quantity of propellant than of the burn time, the size of the plume, and the degree to which turbulence in the plume entrains oxygen from the ambient air which, at the high temperatures present in the plume, combines with nitrogen in the plume to form NOx, principally in the form of NO. Thus, care should be taken before using the above values to estimate NOx emissions from the STS launches. However, the data clearly indicate that NOx emissions from the launches will not be negligible, and should be quantified in the EIS.

2-10

WR10

March 23, 1992

Deputy Commander
U. S. Army Strategic Defense Command
CSSD-ED-V (D.R. Gallien)
P.O. Box 1500
Huntsville, AL 35807

Dear Sir:

I am writing in regard to the E.I.S. for the U. S. Army's proposal to conduct "Star Wars" research at the Pacific Missile Range Facility on Kauai, Hawaiian Islands.

It is my belief that it is totally crazy to be spending even one cent on such stupidity in this present world environment. Now that the Soviet Union is no more, who are we supposed to be protecting ourselves against anyway? The 1980's and now the 1990's have shown us that we can ill afford to waste funds on such projects when our entire infrastructure is coming apart at the seams.

Perhaps if there are really enemies of the United States, it would not be those from the outside that may wish to destroy us, but all those responsible for such projects as Star Wars and those who support them for whatever reason. To sacrifice our country for such waste is truly Unamerican!

Sincerely,
Samuel J. Burris
Samuel J. Burris
1875 Kalaniana'ole Ave. #705
Hilo, HI 96720

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WR11

RMS92-43

24 March 1992

Deputy Commander
U.S. Army Strategic Defense Command
CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, AL 35807-3801

Attn: Paul J. Mulek, Colonel, U.S. Army
Acting Deputy for Operations

Subject: DRAFT ENVIRONMENTAL IMPACT STATEMENT FOR THE STRATEGIC
TARGET SYSTEM PROGRAM

In my capacity as the General Manager for the operating contractor at PMRF, I have reviewed the subject document and I have concluded that the Army has thoroughly analyzed all of the potential hazards associated with the program. The project does not pose any unusual or difficult scenarios outside the normal capability of PMRF.

Our workforce is completely trained to support the PMRF Commanding Officer in his role as the safety review authority for the project. You have identified the transportation and launch issues very well and the safeguards provided are more than adequate. The pre-launch preparation represents a realistic technical approach to ensure a safe launch.

PMRF, with its present capabilities and proposed future technical upgrades, is an ideal national range to conduct projects such as STARS. The DoD requirement to accomplish more testing and training with less resources mandates combining research, development test and evaluation with training capability on ranges like PMRF. This range has excellent growth potential for special strategic projects due to its geographic location, unrestricted sea and airspace, tracking equipment and experienced workforce.

We believe that national ranges must be flexible enough to shift technical assets and capability commensurate with rapidly changing national priorities in order to provide cost-effective testing and training resources. I feel that the STARS program complements the mission of PMRF and enhances its position for the future.

Ronald M. Shields
Ronald M. Shields
General Manager

/kc

2-11

WR12

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

The Draft EIS is a good report but it is incomplete. It does not address, in particular, the benefits, if any, to the island of Kauai, if the STARS program is approved. I respectfully submit that Kauai's interests do not feature at all in the overall plan from the Military. We on this island are merely a geographically convenient launching pad for the firing of missiles. The potential for accidents is scary.

In today's world we must seek other ways of achieving global peace. Proliferating the war machinery is an antiquated way of promoting peace.

Not the least of my concerns is the plight of the Marshallese now living in tiny Ebeye island, having been evicted from their homeland on Kwajalein. Missiles shot from Kauai will be aimed toward Kwajalein, further hindering the Marshallese people.

Name: Maria C. Snyder M.D. Thank you for listening
Address: P.O. Box 58, Kapaa, HI 96746

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

WR13

3/26/92

Dear LTC. Mangano & Mr. R. Gallien;

It has been for me a privilege, moral duty and especially an honor to have supported the STARS program this far. I look forward to our first launch!!

Candace Aquino

4480 Pio St.

Lihue, HI. 96746

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2-12

WR14

March 23, 1992

Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

Re: EIS for Strategic Target System, Kauai, HI.

Dear Mr. Gallien,

As a taxpayer I am not in favor of spending tax money on the Strategic Target System.

My comments are about the section in the EIS paragraph 4.12, Socioeconomics. This section is very poorly developed in the sense of the costs to the people in Kauai of their tax money being spent on the system. No figures are given as to how much it will cost each citizen. Additionally, no estimate is given for if the money that is being spent on fuel and hardware were spent in a more productive manner what the effects would be on the socioeconomics of Kauai. Jobs could be created if the cost of the project were given to Kauai County. They could improve the homeless situation, improve the parks, schools, and roads. These projects would definitely add jobs and improve the quality of life as well.

1

The other longrange concern has to do with the brain-drain of scientists in our country to continue working on useless military projects when they could be solving other problems. Alternative energy sources, improved machines, and many other creative projects could be developed if our scientists could be free from spending so much time on useless military projects.

Investing in our children as scientists by spending the money on science classes would be a longrange socioeconomic benefit and the cost of not doing that should be expressed in an EIS that talks about socioeconomics. The money for one launch would pay for many computers in our schools.

Kauai is not the place to launch the system and I believe it should not be launched anywhere else, either.

Sincerely yours,

E. Woodyard
E. Woodyard, Ph.D.
Suite 3039-129 Kaunualii Hwy
Lihue, HI 96766

WR15

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

*Thank you for presenting this program.
I do not feel that we the government
should be cutting this kind of money on
the tax payer's ^{money} such a useless endeavor
with the collapse of the USSR and their
need for financial aid we have them
in a position to help them only if they
reduce their ICBM missiles then we don't
need a dreamy Star, P.R. & Pils or what
is a damaged mind of the people who
support this program along with the
old who for the last 50 years since starts
from within with the law and together*

1

Name Francis W. Morrison
Address P.O. Box 1364 Honolulu HI 96814
Street Address City/State/Zip Code

*concerned
citizens
is a threat
action*

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

*my comment
see also sent
to the senators
& Representatives*

2-13

WR16

Attn: Mr. D.R. Gallien (CSSD-EN-V), Deputy Commander 27 March 1992
US Army Strategic Defense Command
P.O. Box 1500
Huntsville, Alabama 35807-3801

Subject: Testimony on the DEIS for the Strategic Target System, US Army, February 1992

My name is Don Heacock, I'm a professional fisheries biologist and scientist. Although I am in favor of having a well trained military to defend our fine country against national emergencies and foreign attack, I am totally against nuclear warfare and against the proposed STARS and EDX testing by the Dept. of Defense (DoD) at PMRF, Barking Sands, for the reasons listed below.

Our National Budget cannot afford the SDI program! SDI is an offensive, not a defensive system, that was conceived out of oldtime Anti-Communist fundamentalism. SDI makes no sense today, economically or socially, since the Cold War is over, the nuclear Arms Race is over (except for SDI), and Marxism and Communism have succumbed to the American way - Capitalism. Furthermore, SDI "protects" only against ICBM's, not against nuclear weapons carried by airplanes, submarines, trucks or suitcases.

1

For many decades the nuclear arms race and SDI have been the \$100+ billion dollar brain drain on the United States of America, where these programs have re-routed untold 1,000's of the brightest minds in America away from more important fields of study, such as improving our educational system, and making socially and intellectually meaningful advances in science, medicine, and technology.

The STARS and EDX testing are having a negative impact on the social, cultural, and environmental resources of the native peoples of the Marshallese Island of Kwajalein, and of native Hawaiians who have similar concerns on Kauai, particularly regarding the Sacred Nohili Dunes area of Barking Sands.

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Both the EA and EIS for the STARS and EDX programs inadequately address the potential negative environmental impacts these programs may have on nearshore marine ecosystems, particularly endangered and threatened species, which occur around Kauai, Niihau, and around Kwajalein atoll.

4

Finally, the average man, woman, and child "gives" about \$1,200 per year in tax dollars to supporting the SDI program, a program which was ill-conceived and is now obsolete. PMRF was on Kauai before the SDI, STARS, and EDX programs were conceived, and PMRF will be here after these obsolete programs are abandoned. The only way the public can stop these wasteful testing programs on Kauai is to immediately WRITE AND PHONE THEIR CONGRESSIONAL DELEGATES, particularly Senator Daniel Inouye who chairs the Defense Appropriations Committee, his phone number is (202) 224-3934.

Sincerely,
Don E. Heacock
Donald E. Heacock
P.O. Box 1323
Lihue, Kauai 96766

cc. Senator Daniel K. Inouye

WR17

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I support the "NO ACTION ALTERNATIVE"
Kauai's environment is our economy
We cannot risk even ONE accident.
PLEASE stop this program IMMEDIATELY.

Sincerely

Beth Francisco
P.O. Box 930
Hanalei HI 96714

Name _____

Address _____

Street Address

City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

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2-14

WR18

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

Please consider all of the ramifications of Star Wars.
We do not want it on Kauai. In fact, I don't want it anywhere.
Make Love, Not War ☺

Not only will human lives be in danger, but the Star Wars
effects of our marine mammals has yet to be determined.

We must protect our beloved land, people and animals
and not be placed in jeopardy over our old missile testing.

♥ Please pray and meditate on this ♥

No one wins, we will all lose if Star Wars is
allowed to be fired off of Kauai.

NO STAR WARS!

Respectfully submitted

Name Charlene L Bentley

Address PO Box 140 Hanalei HI 96703

Street Address

City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

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WR19

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

The impact of the "STARS" program on a global scale is counterproductive & dangerous. The impact of the "STARS" program on a National level will endanger our "developing peacetime economy" by perpetuating our military buildup when efforts & money should be shifted to "peacetime economy. The impact of the "STARS" program on a local level will subject our tourist industry to adverse publicity, subject our local population to the threat of an unnatural catastrophe, limit access to an important State park at Palihoko & further divide & inflame the racial animosity that already exists. The Impact IS ALL NEGATIVE!!!

Name Philip Freeman
Address P.O. Box 1120 Kabaho, HI 96741
Street Address City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

2-15

WR20

Written Comment Sheet

Strategic Target System March 28, 1992
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

Dear Sirs:
A lot of work and money have gone into this DEIS, but I still must protest The military's plan to shoot Polaris missile, from PMRF to Kwajalein in The Marshall Islands. It is time to honor treaties and stop this "Arms Race". The island of Kauai is too fragile. Any accident could, and might happen.

Our military has overspent and overarmed and to many of us, "STARS" is just another way to waste money that could be spent helping our citizens. Our national debt is a disgrace to our government and one way to "stop the flow" is to cut unnecessary (STARS) spending.

It is also immoral and inhumane to have moved an island people from their homes in order to have a "target". The people of the Marshall Islands should be permitted (over)

Name Kenie Hutchings
Address PO Box 3438 Prineville, HI 96722
Street Address City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

to return to their home islands. When one
thinks of "Quality of life" for Americans, one
must also think of "Quality of life" for the
Marshallese.

Let's get these "STARS" out of our eyes.
Do what is right!!

Sincerely,
Jennie Hutchings

cc. - Sen. Dan Inouye

Masek 28, 1992

Skaron & Doug, Box 10

P.O. 175

NANAE, HI. 96714

Dear Mr. Gallison,

You must realize by now that
the people of Kawai are sincere
about not wanting the launches -

Please do not disrupt our
peaceful island and tear it into
those for and against. Life
is so fragile on Kawai -

Please put a halt to
the launches - The grounds are
so special & sacred -

Sincerely,

Skaron R. [Signature]

WR22

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

*Valdez Alaska was once beautiful - now man
destroyed it's beauty.*

Honolulu was once beautiful - now look at it!

*Save some beauty for our children - please use
your heart & mind today - that's why they
come in the same package.*

Name *Jama Miller*

Address *P.O. Box 100* *Kapaa, Kona HI 96748*

Street Address

City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

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WR23

To whom it may concern;

In reference to alternatives eliminated from further consideration (sect 2.3) I would like a United States recognised international law expert.

Thank you for handling our personal safety, our homes, our lives our children in a mature + responsible way. I try every day to do something nice for the next person. I am giving you the opportunity to do the same.

Thank you very much,

*Jana Livingston
Box 833
Hanalei Kawai
96714*

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2-17

WR24 Name: James L. Dawson
Employee of the Base

Thank you for allowing this time to voice my opinion.

My family has been in the islands and PMRF for approximately 27 years, with the exception of a 3 year stint in California. (Of which two of those years were with PMRF.)

1. First of all, I would like to commend, the limited few of those in opposition to the STARS launches at PMRF for taking the time to read and try to give some constructive criticism to the EIS process. Were it not for them, our country may be in the chaotic state of other countries around the world.

2. I would like to point out that PMRF and the Navy did not just rubber stamp either the initial EA or the EIS. Many long and hard hours have been dedicated to ensure a safe and successful STARS operation. Long before the initial EA was submitted by the Strategic Defense Command, it was made perfectly clear...that the Navy would not accept the program until certain conditions were met. Certainly not the least of which...was the concerns for the public safety and community relations/concerns.

3. The Not in my back yard (NIMBY) syndrome seems to be running rampant on other side of the Island, but what about those whos' Front Yard is affected. i.e. the Westside and yes the Kwajalein Atoll (which was addressed via a separate EIS). Some of you may not know it, but the US Navy and PMRF employ some of the most restrictive safety and environmental requirements of Training/Testing ranges around the globe. If there are those of you in the "front yard" that still feel uncomfortable about the possible presence of STARS launches...please address them in your comments to the DEIS.

4. I can not speak for the US Navy or Capt. Mullens, but wish to discuss a personal feeling as to the loss of PMRF, if STARS does not come to PMRF....NO; it more than likely will not immediately close the Base. But, it will have a definite affect on the re-imbursable dollars that have been used in the past to make us the Premier training range in the world. As the defense dollars decrease (already a 25% cut next FY in our operating budget....congressionally mandated), PMRF must continue to obtain Test and Evaluation (T & E) dollars to survive without drastic cutbacks. PMRF is not unique in this area, as all defense projects and support areas are presently doing the same thing. Therefore, I would urge the final EIS to reflect there may be a significant impact to the SOCIOECONOMICS of Kauai.

Respectfully,
James L. Dawson
PMRF Employee

WR25

Written Comment Sheet

Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

See Attachment

Name RALPH EDWARD CONWAY

Address 4527 AKEKEKE RD. KEEHAHA, HAWAII 96752

Street Address

City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

Written Comment Sheet

Having a degree in science and six years experience directing missile and rocket launches from PMRF, I am confident that this program is sound and the margin of risk is acceptable. Please do not let a mayor and a small political action group formed and controlled by her (Mayor Joanne Yukimura) decide the fate of this project.

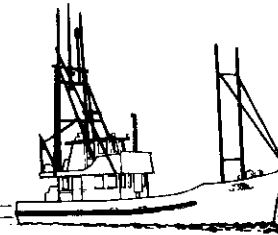
I have only lived on this island for 6 1/2 years, however in that short period of time I have made certain observations of Kauai that might help you make your final decision to go forward with the STARS program on Kauai.

(1) One only needs to drive around the island one time to see where all or most of the county funds go into making Kauai a better place to live. The mayor has always helped the East shore communities before the West side gets any improvements.

(2) PMRF is the only place educated well trained people can get a job on the West side. From the time many children are in High School till their middle twenties they go into the service to learn skills needed by PMRF or attend private Universities to bring back those skills to this area. These are not a bunch of transplants who come in here for a few years and cause trouble then move back to the mainland.

(3) The few Hawaiian protesters that have a vision of a few receiving a large amount of land is a false vision that the State will never let happen. The land in and around PMRF will be doled out in small house lots many years after the fact or will be exploited for Resorts. PMRF is the only thing left on the West side that blocks development.

It shames me that a mayor that I myself voted for has acted so irresponsible and broken her oath of office by only representing a few and not all of the people she governs. Please consider the options and give the people of Kauai the program for they do deserve it.



THE HOKU-IWA CO. LTD.
P.O. Box 397 Hanalei HI 96714
(808) 826-6710

March 30, 1992

United States Strategic Defense Command
Post Office Box 1500
Huntsville, Alabama 35807-3801

Attention: D.R. Gallien

I would like to go on record as being AGAINST the STARS proposal on Kauai, Hawaii for the following reasons:

1. As a Taxpayer, I feel too much of my dollar is being spent on defense and not enough on education, health and the other more important issues in our country today.
2. I believe the earth will not benefit from these rockets being fired.....the emissions, the ozone accumulative effect, the area surrounding the launch site...all of these issues I feel I haven't gotten enough information to make me believe the launchings will have no adverse effect on the environment.
3. The area of Nohili is a special place in the Hawaiian culture. I believe the government of the United States must come to terms with their unfair action of 1893 when the lands of the queen of Hawaii were unjustly confiscated.
4. The military personal designated by their yellow t-shirts as supporters of STARS were very rude during the testimony given in Lihue last week... The intimidation they caused was a subtle infringement of the right to free speech. It showed the ugliness that military

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propagana can evoke.. I think from the information I heard these people's jobs were not threatened....Even if they were,many people in the United States are out of work because of the economic situation caused by the current governmental philosophy of overspending... which brings us back to my first reason expressed in this letter -- that of overspending in the area of defense.

Thank you for listening to my plea.

God Bless America.

Sincerely,

Kathleen Steward
S.S. 082-36-5069
Box 397
Hanalei, HI. 96714

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2-20

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

Gentlemen:

As a resident of Kauai for the past five years, and a visitor to Kauai for seven years prior to moving here, I strongly urge you to reconsider your position regarding the STARS testing here on Kauai.

I think it is extremely short-sighted to forget the fact that there is only ONE

KAUAI, AND ONCE WE DESTROY OR ALTER THIS ISLAND WE CANNOT GET IT BACK.

Secondly, at this point in history, is the Star Wars Defense System really necessary???

Wouldn't our money be better spent on DISARMING this world rather than further arming it.

I URGE YOU TO STOP THIS UNNECESSARY RISK TO OUR ISLAND. THIS IS

THE ONE AND ONLY KAUAI WE HAVE --- LET'S NOT BLOW IT.

Sincerely,

Name Alison L. Dunn

Address Post Office Box 706, Hanalei, Hawaii 96714

Street Address

City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

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WR28

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I believe that the very spirit of an island was not taken into consideration, we are a place of healing and aloha. SDI is totally alien to what Kauai stands for. I believe not enough consideration was given to Nohili Dunes & other sites that the rockets (if there is an accident) might impact

The question also remains about the impact on Hawaiian Homestead lands. I believe the basic issue is connected to economics & not a matter of national defense.

Thank you for making my thoughts,

Name Howard Shapiro

Address PO Box 261, Lihue, HI 96766

Street Address

City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

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WR29

C. Diamond
20536
Hanalei, HI
96714

March 28, 1992

To Deputy Commander,

I am writing to express my concerns about the proposed missile launches from Kauai. Kauai is one of the few pristine places where the beauty of nature abounds. Our breathtaking waterfalls, mountains, oceans, the cleanliness and purity of our air and water is what attracts people to our island. This purity, feelings of peace and aloha is what Kauai is about. Missiles in Paradise?

How can you seriously want to destroy our tranquil beauty and peace. I don't wish to send ~~missiles~~ missiles to our polynesian cousins and take away their rights to their island home.

The ozone layer and its dwindling protection are major problems facing us today. The chemical the launches will spew into our atmosphere right here on Kauai will further this thinning of the ozone. Here on Kauai the sun is so strong already, we cannot afford to do anything that will knowingly destroy the ozone.

PMRF is on crown land. This land belongs to our Hawaiian people and they should have their land returned, not contaminated by toxic fuel spillage, leakage, or catastrophic launching.

1

What about our neighbors on Niihau?
A catastrophic launch could seriously jeopardize the health and livelihood of Ni'ihauans.

The restricted access to Polihale is another issue which is unacceptable to me.

The Whales are another major concern. The draft EIS states that they'll check the area for whales and call off the launch if they're there. Well they are there whether you see them or not, they are there. I have seen whales in record numbers this year. For all life, the whales, the dolphins, the sea turtles, all plant life, extinct, near extinct and plentiful varieties, human beings - please take your missiles away from Kauai. We don't want them.

We can't even get a playground for our children on Kauai, how can you spend so many billions on a defense system that leaves so many open holes elsewhere. Kauai is too small for this kind of missile launch. Kokee rainforest would be threatened due to upper atmosphere prevailing winds that blow inland. Please protect our environment, one of the last pristine, truly magical places in the United States.

Please say No to missiles on Kauai
Sincerely, Caren F. Diamond
Caren Diamond

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RAYMOND L. CHUAN

P.O. Box 1183
Hanalei, HI 96714
808-826-6814

March 30, 1992

U.S. Army Strategic Defense Command
CSSD-EN-V (D. R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

Dear Mr. Gallien:

In reference to the STARS Draft EIS I have the following questions and comments.

1. Has the Memorandum of Agreement with respect to the ground hazard area been executed by the Hawaiian State Board of Land and Natural Resources? If not, when do you expect to have it executed?
2. Has the Grant of Easement been executed by the State of Hawaii? If not, when do you expect to have it executed?
3. In Section 2.1.2.3 (p. 2-25) of the DEIS there is the statement, "PMRF will notify the State of Hawaii and the Kekaha Sugar Company at least seven days prior to launch before exercising rights under the easement." In Appendix B, Draft Memorandum of Agreement, Paragraph 11, "The Navy will notify the DLNR(illegible)... Hawaii Department of Transportation at least seven days prior to each rocket launch or closing of any position of the Kaunualii Highway; ..." In Appendix C, Draft Grant of Easement, Paragraph 7, "The United States will attempt to notify the State at least seven (7) calendar days prior to each scheduled launch requiring the exercise of the above rights." Since the Grant of Easement is the controlling document here as far as the U.S. government's right to control state land is concerned, does it mean that the U.S. will only attempt to notify the State, rather than "will notify"? If so, the U.S. government is under no obligation in practice to notify the State of Hawaii of any rocket launch. Is this correct?

A timely response to these questions will be appreciated, in view of the intense interest in this matter on the part of the residents of Kauai.

Thank you for your cooperation.

Yours truly,

Raymond L. Chuan
Raymond L. Chuan, PhD

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2-22

WR31

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

The only acceptable alternative on your
SIS is the 'No Action' Alternative.
The only Kauai citizens who are really
in favor of SDF on Kauai are those
who are employed by PMRF. Your
records of comment would accurately reflect
the opinions of Kauai's residents if those
letters from PMRF employees were taken
for what they are, a plea for job
security - when actually those jobs are
not at risk.

Name Pamela PALMER
Address P.O. Box 238 HAWAII, HI 96714
Street Address City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

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2-23

WR32

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

To Whom It May Concern:

By way of introduction, my family has resided on Kauai for
generations. I attended Koloa Elementary school on Kauai and the
Kamehameha Schools and the University of Hawaii on Oahu. After
completing a tour of duty in the United States Army, I obtained a
BBA in Marketing from the University of Hawaii and a JD from Willamette
University in Oregon. I moved to Idaho and practiced law for seven
years before returning to Kauai in 1980. My children are enrolled in
the local schools, I practice law in Lihue, and my family is involved
in various community organizations, citizens advisory committees, and
government boards or commissions.

I do not love war; I am personally acquainted with its horrors;
and I do not wish my children to have to serve, as many have already

Name Hartwell H. K. Blake
Address 4334 Rice Street, Suite 202, Lihue, Kauai, HI 96766
Street Address City/State/Zip Code

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Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

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WR32 (cont.)

many have already served in this century.

Although defense spending is being curtailed, STARS/SDI research is the only defense related program for which Congress has seen fit to increase appropriations. Kauai is fortunate to already have a facility which can very easily adapt itself to STARS/SDI requirements.

My support for the STARS program goes beyond my hope that PMRF remains a major employer on the island of Kauai. I am aware of the risks involved in the STARS program. However, I believe that the United States Army and the citizens employed at PMRF will take all reasonable precautions to protect themselves, their families, Kauai's residents, public and private property, and our environment.

It is my understanding that the facilities which are already in place at PMRF, together with the deep water open ocean environment bordering Kauai's western shore, the freedom from encroachment of sea lanes and air lanes, and the extreme distance to other island groups and land masses, combine to make PMRF the safest underwater and overwater testing site available in our country. It is selfish to block the use of these available facilities and to send these programs to the continental United States where they pose an increased risk to persons and property.

We live on Kauai because of the tranquility which the island provides to us and because of the aloha which we share with each other. Nevertheless, we should not lose sight of the

WR32 (cont.)

fact that we are individually responsible as citizens to do what we can do best, to insure a strong national defense, which will not only protect our own way of life, but also foster world peace. We have the capability on Kauai to assist in achieving these goals, and we should not shirk our civic responsibilities.

[Handwritten signature]

WR33

JOANN A. YUKIMURA
MAYOR



GLENN H. SATO
DIRECTOR

COUNTY OF KAUAI
OFFICE OF ECONOMIC DEVELOPMENT

4444 RICE ST., RM 204
LIHUE, KAUAI, HAWAII 96756
TELEPHONE (808) 245-7305

April 1, 1992

Deputy Commander
U.S. Army Strategic Defense Command
CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, AL 35807-3801

Dear Sir:

My name is Glenn H. Sato, Director of Economic Development for the County of Kauai. I wish to submit comments and questions regarding the draft Environmental Impact Statement for the Strategic Target System Vehicle Launches from the Kauai Test Facility at the Pacific Missile Range Facility on the island of Kauai, Hawaii.

First of all, I wish to state my support for the Pacific Missile Range Facility and it's contribution to the economic well-being of Kauai. PMRF has been a good neighbor, employer and contributor to the community. I hope this relationship continues.

I have written and contributed to the preparation of environmental assessments and environmental impact statements. My questions and the resulting answers should contribute to a more complete EIS document and allow for a better determination of environmental impacts. The document as submitted is incomplete and should be revised. Data included in the previously filed assessment must be included in the EIS if pertinent to the discussion. The following are direct comments related to the draft EIS:

1. I wish to inquire as to the process leading to a final EIS. Will the comments be incorporated into a revised draft EIS so the public may examine the answers to the questions about the draft?
2. What are the differences (size, fuel, age, hazards, etc.) of the missiles to be launched versus what has been commonly launched?
3. In referencing the oil/hazardous substances spill contingency plan, are trained HAZMAT personnel on site at all times? If not, why?

MAILING ADDRESS: 4444 RICE STREET, ROOM 230, LIHUE, HAWAII 96756 FAX NO: 245-6479

WR33 (cont.)

4. What are the possible effects of a liquid fuel spill? Is there any possibility of a gas cloud forming and moving to populated areas?
5. Page 4-59, Nitrogen Tetroxide: The exposure tables as shown in appendix E should show the possible effects to humans and animals. What could the "dilute vapor cloud" do to humans and animals? Page 4-59 discusses low level exposure to nitrogen tetroxide fumes possibly causing eye and nose irritation and yellow staining of the skin, yet the following sentence says that "its vapors may cause permanent injury, primarily in the form of burns to the tissue or pulmonary tract." These two sentences are inconsistent and an exposure table with resultant detrimental effects should be provided and discussed.

In addition, all discussion seems to center on transportation methods, however, there is no discussion on mitigative procedures in the event of an unforeseen accident. I am specifically referring to any disaster response plan involving military, State and County personnel. This plan should be in place before any activity and should be properly addressed in the draft EIS.

6. There is a significant lack of quantitative information regarding the existing conditions/environment and very little discussion of the impact of the proposed project on these conditions. For example, ambient air quality studies and baseline biological surveys are lacking. How will anyone be able to say if impacts have occurred and to what degree if baseline data on existing conditions are not available?

The summary on ES-5 states that construction will remove only 0.4 acres of weedy ground cover from an area that is regularly mowed. Assuming that additional areas are needed for the entire project, a biological survey should be conducted by qualified biologists and botanists. Impacts from construction cannot be mitigated by relocating plants if the plants are not identified and located before work commences. Construction workers do not usually know a rare plant from a weed.

7. Exactly how many launches are scheduled? The EIS states 4 launches per year for 10 years. Is this still true?
8. Page 4-62. The discussion states that all shipments (of liquid propellants) will be scheduled to avoid peak traffic periods for roads and to avoid high-use times for harbors and known seasons for rough seas.

Kauai's main thoroughfare from Port Allen to PMRF is a two lane highway with very heavy traffic. Has the

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Strategic Defense Command collected data on traffic counts and movements to determine approximately when these periods will be? Traffic data may indicate that the only feasible time would be at night, which may present additional safety concerns that should be addressed. This should be discussed in the EIS.

- 9. What is the approximate timetable for the proposed launches? The EIS does not address Kauai's known season for rough seas and the possibility that liquid fuels for many launches may be stockpiled at PMRF. It is inadequate to have the EIS give a blanket mitigative measure and not address specifics.
- 10. Page 4-68. Discussion of ozone depletion centers on the "relatively small quantity of ozone" that could be depleted. Further discussion talks about the release area over the Broad Ocean Area and that no population centers would be in the affected area. Hawaii, in comparison to other areas of the world, generates insignificant amounts of ozone-depleting substances, yet the ozone layer over our state has been significantly affected. It is my understanding that ozone depletion is on a global scale and as such should be discussed in this manner in the EIS.
- 11. How many days in the year would the safety zone be in effect, from all PMRF operations, in addition to the proposed launches? There should be some discussion on possible negative impacts to commercial boating activities based out of Port Allen where the 3 mile limit may be detrimental. Reference is made only to commercial fishing activities and not to tour boats. The safety zone lies between Port Allen and the scenic Na Pali coast.
- 12. Why were County agencies not contacted in the preparation of the draft EIS as indicated in Chapter 7?

I hope my comments and questions result in a more comprehensive EIS that will provide Kauai citizens the proper information to determine the environmental impacts of the proposed program. I will await answers to my questions and the issuance of a revised draft EIS before determining if no significant impacts are anticipated from the proposed project.

Thank you for your attention to my comments and questions.

Sincerely,

Glenn H. Sato
Glenn H. Sato
Director

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2-26

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I am in full agreement with the findings of the Draft Environmental Impact Statement for the Strategic Target System. Based on these findings, there should be no further reason to delay this program once the E.I.S. is released. The STARS program has my full support.

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Name Vivian Kutaka

Address P. O. Box 730 Waimea, HI 96796

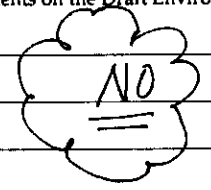
Street Address City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

WR35

Written Comment Sheet
Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.



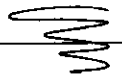
ROCKETS

IN

OUR

PARADISE...

Please !!



Mahalo!!

Name LIN cosbey

Address P.O. Box 445 KILAUEA HI 96754

Street Address City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

2-27

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WR36

Written Comment Sheet
Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I have read the Draft Environmental Impact Statement thoroughly and I agree that all issues have been introduced and analyzed and conclude that the STARS program is totally safe to the island of Kauai. I support this program 100%. Being a member of our little community, I understand and sympathize with the concerns of the Mayor and the other people of Kauai against STARS. However, I feel it is my duty as an American citizen to support the decisions made by our elected officials regarding any military program proven safe and effective to further peace and democracy throughout the entire world. In conclusion, with the cooperation of every individual and with the Lord's blessing, I honestly feel that positive results and other benefits will occur with the introduction of STARS to our Garden Island.

Name RANDY R. CHINEN

Address P.O. Box 1133 KEKAHA, HI 96752

Street Address City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

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WR37

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

Dear Deputy Commander:

As a resident of Kawaii I would like to voice my concern at the prospect of having a Star Program on this Island.

First, it is inappropriate to expect that accidents do not happen. Look at the Valdez Oil Spill in Alaska, Chernobyl in the Fed. of Soviet States, Three Mile Island in Penn... and the list could go on and on... These are only a few examples of what people said could never happen... and did.

Let us NOT use the beautiful Island of Kawaii as a test site for antiquated weapons. Our Country is moving away from the threats of the Cold War.

Name Suzanne Biedel

Address POB 306 (#10 Pali Ke Kua, Princeville)
Street Address Hanalei, HI 96714 City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

2-28

WR37 (cont.)

and into an era of peaceable negotiation.

Unfortunately, the need for less defense means a reduction of jobs in that category - However, we could find a more productive use of our tax dollars to employ those people that will lose jobs due to a reduction of the defense budget.

Consider, for example, using the Barking Sands facility for radar tracking and air and sea safety/rescue activities. Perhaps these individuals whose jobs are threatened could become part of a research team to relocate and develop sensible housing alternatives for the many already displaced Pacific Islanders.

Let us, the community, begin to work together with the Government in strengthening our ties and reuniting our love of the country in a safe and productive way.

Please, do not go ahead with the proposed plan for Star Wars testing on the Island of Kawaii.... Accidents do happen

Very Sincerely,
Suzanne Biedel

P.S.
If at all possible, I would appreciate a reply.

WR38

STAR PRODUCT OFFICE
U.S.ARMY STRATEGIC DEFENSE COMMAND
CSSD-EN-V
P.O. BOX 1500
HUNTSVILLE, ALABAMA 35807-3801

March 31, 1992

Dear Colonel,

I am sorry that I did not have the pleasure nor the opportunity to personally say ALOHA and MAHALO NUI LOA before you left Kauai. But I would like to do so now...On behalf of my most beloved and treasured possession, my 7 year old grandson, and all of the patriotic and loyal American-Kauaians, I would like to say a big MAHALO...We know and appreciate the objective of your mission with respect to national defense. We also appreciate the way you handled yourself amidst volatile and acrimonious adversity, namely that "Bunch" maverick protestor-activist from Kauai's north shore.

Please keep in mind and proper perspective that Elizabeth Freeman and Suzanne her side-kick are NOT endemic to the sands of Hawaii; but are really the flotsome from the mainland United States that was carried by ocean currents and somehow washed up on the shores of Kauai. Now that they are here, they act like "They own the joint" by imposing their prejudices, likes and dislikes upon us native Hawaiians and Kauaians. If we Hawaiians had our way we would send them back from whence they came, but we have not canoes that can make the trip to HADES! You know Colonel, I have driven tours on Kauai and Oahu for nearly 24 years, and I also used to ask the tourist if they have enjoyed the beauty of Kauai's beaches, canyons, waterfalls, the sculptured cliffs of Napali, and the warm and friendly people of Kauai...if they said yes, which almost always was the case, I would ask that they not take the usual gifts home to the mainland such as pineapples, macadamia nuts, Kona coffee, or anthuriums, but instead take a "Hippee" home with you. But alas, as you can see, both Suzanne and Elizabeth Freeman are still here!!!

I don't know if you caught the point of the remarks that some of our local supporters were shouting back to Elizabeth group: "Go home haole"! But what they were referring to was the fact that over-whelming majority of the protesting activists ARE NOT ENDEMIC TO HAWAII!!! And ever since their arrival here they have not been a welcome addition to our community. They can only criticize and condemn but offer nothing constructive to resolve the problems which have been created by their presence here. Therefore, please be very careful when you evaluate the written and oral testimonies that they have rendered. Especially pay particular attention to how long they have been on Kauai...then you see the difference of cultural values more definitively and more accurately.

The 5 page letter I have enclosed is my statement/testimony that I would like to enter on my familys' and my behalf to show support of the SDI & STARS Project. I am neither a journalist a writer of any sort, and I have never taken typing in high school or college, so please forgive and over-look all the typo errors, the errors in grammar, and the word omissions that is readily found permeating that document. I am mailing that 5 page document to our 4 congressmen in Washington D.C...If I knew when the congress was going to hold hearings on this issue, I would endeavor to catch a "Hop" to D.C. and give testimony in person. After all I am retired U.S.A.F. and therefore, entitled to catch a hop on space available basis...I know that Elizabeth and her gang will be doing the same. Anyways Colonel, have a happy Easter and may God bless you and your family, until we meet again, A HUI HOU KAKOU!!!

*Lawrence F. "Larry" Rivola
2/18/92 for file: netched*

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WR38 (cont.)

Washington, D.C.
U.S. Congress

March 30, 1992

Dear Senators and Congressmen:

Last week Tuesday and Wednesday, March 24 and 25, the U.S. Army held open hearings on the SDI or STAR wars programs slated to be conducted during the next ten years if the U.S. Congress will go along with this program. It is my hope and the hope of all the Veteran Organizations on Kauai, that all four of you folks in Washington will also be supportive of this ambitious undertaking. I would like to call to your attention some facts that maybe overlooked in the multitude of testimonies given in those two nights.

A. KAUAI'S VETERANS MANA'O:

Hopefully, you will remember that most of Kauai's vets are local boys that are by nature, very timid and are too embarrassed or self-conscious about their inability to communicate effectively before the general public. They also feel this same way about voicing their opinion in written form to you folks in Washington. But these veterans showed up in force wearing yellow T-shirts, which was the uniform of the day for the occasion. There was quite a few veterans there at the War Memorial/Convention Hall in Lihue. These vets all were solidly in support of the U.S. Army SDI program at PMRF-Mana.

These vets feel that they gave their lives, limbs, and their youth to this country. They gave freely, loyalty, and without hesitation to keep this country free from wars, and threats of wars, so that they and their children, and their children's children, would be free from foreign nuclear intimidation or any other form of military coercion, especially in the form of ICBMs or IRBMs.

In order to accomplish this goal of being free from worry with respect to these missiles that can ruin the peace and tranquility of Kauai, we Veterans of Kauai VERY STRONGLY URGE YOU TO SUPPORT THE U.S. ARMY'S SDI MISSION! PLEASE!! Please also know that the over-whelming majority of those protesting the SDI program do not live in the westside of Kauai, but come from primarily the affluent areas of Koloa, and especially the Kilauea-Princeville area. They also got up and testified that they were only 4 to 7 year residents of Kauai. And in all probability are not veterans, meaning that they have NEVER served in the armed forces like we have! Please remember that we are the Kamaainas, and they are the malahini haole's that "Appear" to be malcontents, misinformed, acrimonious, vociferous, flotsam that washed up on our shores and have never contributed anything for the benefit of this county of Kauai. They are very analogous of the 1960's agitators that we saw too frequently on television during the Vietnam conflict.

Like those street and campus agitators of the 60's, they know how to manipulate and or utilize the mass media to achieve their ends. We locals on the other hand have newspaper or television support to back up our protests against these rabble rousing, loud uncooth deviants and protestors.

I bet you that if a plebiscite or a referendum was added to this year's election, you would see that we veterans and the general population of Kauai would be staunchly behind the U.S. Army! But alas, our county is too poor to afford this luxury!

E. THE NEWS MEDIA:

I believe that there was some very biased reporting prior to, and following those public hearings in lihue. It appeared to me that, both newspapers were deliberately distorting the news as well as trying to fuel the protester movement with their OPINIONS. As you know OPINIONS, and personal interpretation are not necessarily and fundamentally TRUE or CORRECT. And by giving the almost limitless support and news space in their papers, the average John Doe citizen of Kauai were inundated with this distorted prevarication. This in turn caused these basically ignorant populace to be swayed to believe the "Printed" word. Hence, a lot of people maybe writing to you congressional representatives that they oppose SDI. The with-holding of certain facts, the printing of only half-truths, and the deliberate equivocation of news achieved partial success amongst the local communities.

As you know most people are either lazy and want to be "spoon-fed" their news, or, they are too busy for whatever reason, to research facts on their own to check out the veracity of the news. Hence, the news media is responsible for being the instrument of divisiveness amongst Kauaians. This misuse or abuse of the press has polarized Kauai into two camps: one for, and one against SDI/STARS. However, since they control the most influential and the most powerful weapon in the arsenal of yellow journalism....It is my sincere hope, that you are not easily awed or influenced by such chicanery....please have one of your staff researchers to objectively, analyze ALL the facts before drawing any conclusions.

I would like to remind you how the yellow journalism of the nineteenth century millionaire newspaperman William Randolph Hearst used his powerful newspaper to convince the United States to go to war with Spain. Subsequent U.S. Naval investigations proved unequivocally that the Spanish were not culpable for the sinking of the U.S. Maine in Cuba. The point being in this - analogy is that the deliberate equivocation of so-called facts served his own personal self-interests. I believe that this is what happened here on Kauai also.

F. THE PROTESTS:

Concerns expressed by the opponents of SDI/STARS are almost all addressed in the EIS....Please read it before believing the arguments of the protesters, then you can judge for yourself the validity of their argument. I am totally convinced that the U.S.Army has taken every facet of possible impact the missile launchings could have upon the environment. The Army is quite aware of any and all possible dangers that can arise from the project, and have all precautionary measures to prevent such a happening. Besides, as a fisherman resident of Kauai, I want you to know that the occasional forbiddance of entry to the PMRF has been very beneficial to local fishermen. The temporary denial of entry during the previous rocket launches and other military maneuvers, has had a beneficial effect upon the fish populations there at Mana. Ask any fisherman who has used that area how is the fishing there at Mana, and guarantee you that will tell its great! And these temporary closures are only a minor inconvenience that reaps a large benefit for the fishermen!!

SUMMATION:

Please remember us vets that gave our youth, limbs and some their lives, in loyal service to our country, and most especially when this issue of the SDI/STARS comes before the congress for approval and funding.

Please remember the ultimate purpose of this project with respect to

national defense. This defense I speak of is not only for the 48 contiguous states in the mainland, but also gives Hawaii and all our families here an added ounce of prevention against nuclear irradiation! I dearly want all of my descendants to enjoy our beautiful Hawaii Nei.

Please examine very carefully who are the supporters of SDI and who are their opponents. The over-mwhelming majority of supporters are local born, and bred in Hawaii. Look at the opposition, and you will see that these are very obviously mainland recent arrivals. Look at the two groups of people and see who as a group has contributed to the enrichment of life on this Island. Look at these two opposing groups and see which of them is the one that has contributed men and women for military service. Look at these two groups and see which one has those people that have A VERY SPECIAL ALOHA AINA MANA'O, I know you know the answer to this question...these are the sands sea from whence our ancestors sprang from!

For over twenty years our navy has been testing rockets, and having maneuvers at PMRF...where were these protesters then? Why is it now all of a sudden, no good for the environment to do any further testing? Are you aware that the opposing factions' arguments about potential damage is purely hypothetical and conjecture which is just barely garnished with a sprinkling of half truths?

If you were to carefully scrutinize how diligently and earnestly the Army personnel went about doing their research regarding all possible problems that could be anticipated with the project at Mana. The Army sought the best and most authoritative scientists and experts in the particular fields; the EIS names quite a few such authorities. As a native Hawaiian, I was very glad to know that the U.S.Army even hired the services of the best available native and local authorities of Hawaiian antiquities and archaeology, namely, Dr.W.K. Kikuchi of the U of H, Kauai Community College; Alethe Kaohi and Kalani Flores. The names of other prominent scientists in the field of marine biology, plant ethnobiology, chemists, aero-space medicine, and many others can be found in the EIS and the records of the U.S.Army officials that are responsible for this project in Huntsville, Alabama. I honestly believe that the Army has done its best to address the concerns, as well as redress and head-off any problem areas associated with this project.

Please keep in mind that it would be a crying shame, an outrage, a grievous offense to all of the local-born people, all of the vets of Kauai who have served loyally in the armed forces, and all of the Kauaians yet to be born, if you were to use the power of your offices to scuttle the SDI/STARS project at PMRF. Please heed our urgent pleas for your support...PLEASE SUPPORT THE SDI & STARS PROGRAM, PLEASE HELP THE U.S.ARMY GIVE US THAT ADDITIONAL OUNCE OF PREVENTION AGAINST ICBM'S!!!!

ME KEALOHA PUMEHANA

Lawrence F. Atwohi
LAWRENCE F. ATWOHI, U.S.A.F. Ret.
USVA # 210 25 421
D.A.V., Chapter 5
4850 Kawaihau Rd., Apt. 3A
Kapaa, Kauai, HI 96746
Tel.(808) 822-3481

WR39

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I object to States missile launches on the following grounds:

- 1) The effect on the ozone layer is not properly addressed in the EIS.
- 2) I object to the human rights abuses to the residents at EBeye, sponsored by my tax dollars
- 3) Mohili Dune is culturally significant, sacred land. It should not be utilized for your launches.

I support the No Action alternative

Name Joseph Thomson

Address P.O. Box 3236 Prineville, OR 97722

Street Address

City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
 Deputy Commander
 U.S. Army Strategic Defense Command
 Attention: CSSD-EN-V (D.R. Gallien)
 P.O. Box 1500
 Huntsville, Alabama 35807-3801

2-32

WR40

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I don't feel the Draft Environmental Impact Statement adequately covers all the impacts that arise from launching Strategic Target Missiles from Kawai. For the below reasons:

A - I feel any negative emissions in the air at a time like this with world wide ozone depletion is a factor in eliminating this project.

B - The impact of landing our missiles has a negative, demoralizing effect on the people on other islands causing them to be removed from their native homeland.

C - Our sacred homelands can not be sacrificed for launching these rockets. The environmental risk & abuse of sacred land is not a worthwhile sacrifice.

Name Charlene Fleming

Address P.O. Box 434 Kilauea HI 96754

Street Address

City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
 Deputy Commander
 U.S. Army Strategic Defense Command
 Attention: CSSD-EN-V (D.R. Gallien)
 P.O. Box 1500
 Huntsville, Alabama 35807-3801

WR41

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I AM against the Stars Project for many
REASONS -

① effectiveness & benefits of ground based system have not been shown (Time 3/2/92, Newsweek 3/2/92 Wa. Post. 3/11/92) ② It would be largest single source of ozone depletion ③ If accident occurs it could cause great economic problems on Kauai ④ why are we doing this in this post Cold War period - Save our planet; Please -

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Name Patricia Rae VAN MARIC
Address PO Box 1280 KALAEHO HI 96741
Street Address City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

2-33

WR42

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I thank all those in attendance at the Public Hearings - and I have disappointment at those not in attendance - the actual people who will make the final decision! There is so much at stake & so many levels of concerns to be addressed I say "No Starbuck" to the Stars project period - and on this island - never! There is much significant impact not only for this island (including Hawaiian lands on which PMRF sits) - There is impact on the oceans & the Kwajalein Atoll. Please note the thunderous voice of the "common" people.

1

Name Jana Price
Address 3900 414 aii Kalaheo, HI 96741
Street Address City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

11-11-91

WR43

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I am against having the Strategic Target System launched on Kauai for the following reasons: ① They will have a negative impact on the image of Kauai and the tourist industry upon which our economy is so dependent. ② The EIS does not adequately cover what if an accident occurs. ③ I am opposed to the dangerous fuels being transported to or around Kauai by sea or land. I don't want hydrozine on Kauai. ④ I don't want Polihale closed for 2 months every year. ⑤ The EIS plans for the significant impact on the Nevele Shearwaters, the whales and the Address Terns is not adequate.

Name Marilyn Kelly
Address 4511 Kikula Rd Kalahoue, HI 96741

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

2-34

WR44

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

Kauai is not the appropriate place in this system. It would affect our economy (visitor industry especially) negatively and put an unneeded ear in us who love here. Please don't do it.

Name E. C. Snyder
Address P.O. Box 1048 Lawai, Hawaii 96763

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

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Pages 1-4

April 2, 1992

Dear Mr. Gallien,

I attended the meeting on the first night concerning the star wars program to be implemented on the Island of Kauai, Hawaii. I got there at 6:30 PM and stayed to the end which was around 12:30 AM. I would like to say at the outset that I'm not anti-establishment or anti military.

I was in the service - Marine Corps for four years during the Viet Nam era. Although I didn't approve of why we should have been there, I wasn't going to run off to Canada either. I would have gone to Viet Nam if I had to. Fortunately I didn't have to go because my brother was there.

I am a resident of the State of Hawaii for almost 9 years now, therefore, I have a

②
definite concern for what is happening here and what could happen in the future. I happen to think that the concept of "Star Wars" is good. It's only a matter of time before some developing nations will have nuclear capabilities and they could, therefore, threaten our existence. Therefore, it makes sense to have something in space to try to stop them and to act as a deterrent.

I have to state, however, that I must go on record as protesting or opposing a Star Wars Program on the Island of Kauai.

I think that it is too dangerous here. I object to having the Island as being a target for incoming missiles. If there is to be a Star Wars Program, it should be in an isolated area not in a populated area to jeopardize the lives

③

of our citizens. Maybe to Henry Kissinger, the lives of a few don't count compared to the many. Henry Kissinger never had to live on Kwajalein Atoll in the Marshall Islands and have his home lands taken from him and herded like sheep into a small confined area no bigger than Ala Moana Shopping Center in Honolulu. Henry Kissinger didn't have to watch as his home land became a target for missiles like the Marshallese people I had to witness. I don't want to see Kauai to carry on the legacy and like I mentioned, I don't think that it is right for us to become a target also from any other nation or country. Also I object to contributing to the deteriorating of the Ozone Layer and to the danger of transporting dangerous chemicals on our roads here.

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④

I don't think that "PMRF" is going to close down just because they don't get the Star Wars Program. I feel that PMRF is too vital to the defense of our country and too much money and effort has been invested there for the establishment of highly technical equipment to safeguard our country from attack.

Thank you for reading this letter.

Respectfully,
Louis A. Perrotta Jr.

Louis A. Perrotta Jr.
P.O. Box 1705
Lihue, Kauai, Hawaii
96766

WR46

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

Dear Sirs:

I want the No Action option
fo STARS.

After hearing the facts from
the hearing, I feel it would have a
negative impact on our economy on
Kauai. We'd get known as the "Missile
Island" — not a good vacation image.

I also feel its stupid to
in the post-Cold War era to spend money
on offensive weapons.

These weapons are also dangerous
to human, whale, and fern life. Thank you.

Name Deborah L Arata - (Deborah Arata)
Address 3473 Hawaii Loa Lane, Koloa, HI 96756

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

2-37

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WR47

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

Dear Sirs:

I am basically opposed to the
STARS program and to its implementation
on Kauai specifically.

In this post Cold War period, we no
longer need to spend money for ~~defensive~~
offensive weapons under the guise of defense.

Also, there would be significant impact
on biological elements, already severely impacted
by human activities.

Name David Kuhn

Address 4811 Kikala Kapehu

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

1

WR48

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

The DEIS should have been drafted by objective groups not Navy, Army, NASA and military. I want more research and information on the impacts of a possible accident on the island's main industry, tourism and on the target sites that shall be on the island. I want more detailed information on the impact of possible accidents during transportation of resources (fuel) and on the impact of brominated fluorocarbon on the ozone layer. I want the final draft to be made by an objective party addressing these impacts, both details.

1

2

3

4

Name MAURITIA ZANIN
Address PO BOX 238 HAWAII HI 96716

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

2-38

WR49

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I AM OPPOSED TO THE STAR WARS PROJECT ON THE ISLAND OF KAUAI. OUR ISLAND IS ONE OF THE MOST BEAUTIFUL SPOTS ON EARTH, AND EVEN THE CHANCE OF AN ACCIDENT IS A THREAT TO OUR ECONOMY. A MISSILE BEING LAUNCHED AND BEING EXPLODED DUE TO AN ACCIDENT, MISTAKE, OR FAILURE WOULD DESTROY OUR ECONOMY. OUR ECONOMY IS BASED ON TOURISM, AND IF OUR ISLAND WAS ALTERED DUE TO A MISSILE ACCIDENT OR JUST NEWS STORIES OF WHAT COULD HAPPEN FROM A

1

Name JOHN R. CHURCHILL
Address 5394 KUAPAPA ST KAPAA HI 96746-2225

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

OVER

MISTAKE BY THE MILITARY, THE BOMBS WOULD FALL OUT OF OUR TOURIST INDUSTRY.

I AM ALSO AGAINST YOUR STRATEGIC TARGET SYSTEM PROGRAM DUE TO YOUR TARGET - THE KWAJALEIN ATOLL IN THE MARSHALL ISLANDS. THE INDIGNANT MARSHALLESE PEOPLE SHOULD BE GIVEN THEIR ISLANDS BACK AND PAID FOR OUR ILLEGAL TAKING OF THEIR ISLANDS - SINCE 1946.

IT IS TIME FOR US TO RETIRE MOST OF OUR MILITARY FORCE AND WORK TO FORM A WORLD GOVERNMENT. WE NEED TO FORM WORLD COURTS; WORLD POLICE FORCE; WORLD LAW AND THE MILITARY STOP CREATING FEAR AND PERPETUATING THEIR JOBS. I REFER YOU TO THE BOOK, "PLANETHOOD" BY BENJAMIN B. FERENCZ AND KEN KEYES, JR.

THIS IS THE TIME OF CHANGE IN OUR WORLD AND IS TIME FOR US TO CHANGE OUR POSITION IN THE WORLD POLITICS AND TO LEAD US OUT OF THE GLOBAL WARS.

Respectfully Submitted

John R. [Signature]

2-39

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I strenuously oppose the Star Wars program and the presence of P.M.F. on Kauai. The launching of rockets from Kauai, the mainland or anywhere else, also the Star Wars based in the Marshall Islands. I saw the documentary film Home on the Range. It is disgusting how the local islanders are being the subject of such abuse. Since 1950 the President speaks of violation of civil rights and our government has been doing it for years. I became involved the first day at Barber's Bank. I will give every effort to help stop this war project. Turn over.

1

Name _____

Address _____

Street Address

City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

Please refrain from sending me any more propoganda. I worked a Kaelelie California I know, ongo enough about Radets to be down on Star Wars. also money wasted of Space exploration.

I collected signatures protesting against star war, including tourists, who have plenty of it on the mainland, they jumped at signing. The only ones for it are gray train employees at P M R H I am not affixing my signatures. I want no more garbage paper sent to me.

The public hearing held at Kauai War Memorial Convention hall, near turned nasty.

There will be more protests, and a possibility of confrontation, I hope Star Wars is cancelled before that does happen.

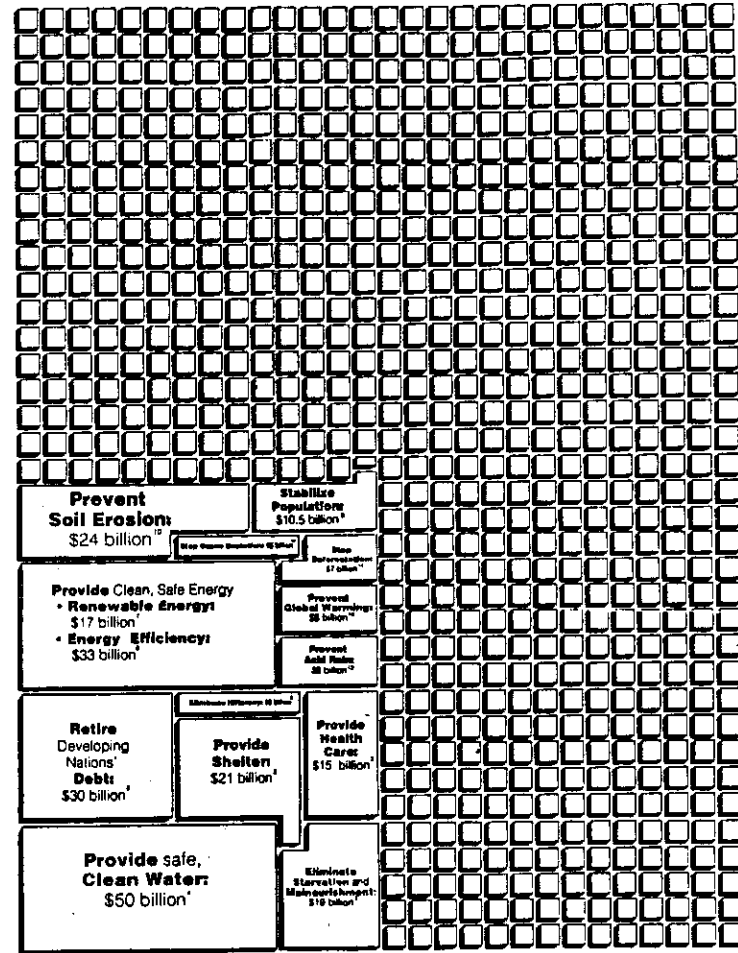
I'm sending cards and literature to Mainland Travel Agency on

Mainland, Australia
Canada.

2-40

What the World Wants

— and how to pay for it —



...using World Military Expenditures.

- Total Chart = Total Annual World Military Expenditures: \$1 trillion
- One-tenth of One Percent of Annual World Military Expenditures: \$1 billion

The above are annual costs of various global programs for solving the major human need and environmental problems facing humanity. Each program is the amount needed to accomplish the goals for all in need in the world. Their combined total cost is approximately 25% of the world's total annual military expenditures. Footnotes and references are on the opposite page. Full explanation: see in "Doing the Right Things" (\$6 postpaid from the World Game Institute, 3506 Market Street, Philadelphia, PA 19104; 215/387-0220).

This chart seeks to make the point that what the world needs to solve the major systemic problems confronting humanity is both equitable and affordable. Clearly, to portray a problem as complex and large as, for example, the global food situation, with just a small part of a single graph is incomplete, at best. The following explanations of the chart's various components are not intended as complete or detailed plans, but rather as very broad brush-strokes intended to give the overall direction, scope and strategy. The paper, "Doing the Right Things" goes into more detail and is available from the World Game Institute at the address below. (References listed at end of numbered sections contain supporting documentation, further explication, and related information.)

1. Eliminate starvation and malnourishment: \$19 billion per year total; \$2 billion per year for 10 years for global famine relief—spent on international grain reserve and emergency famine relief; \$10 billion per year for twenty years spent on farmer education through vastly expanded in-country extension services that teach/demonstrate sustainable agriculture, use of local fertilizer sources, pest and soil management techniques, post harvest preservation, and which provide clear market incentives for increased local production; \$7 billion per year for indigenous fertilizer development. Educational resources of #10 coupled with this strategy. Closely linked with #'s 2, 2A, 2B, 4, 5, 9, 10.

2. Provide health care: \$15 billion per year spent on providing primary health care through community health workers to all areas in the world that do not have access to health care. Closely linked with #'s 1, 3, 4, 5.
2A. Child health care: \$2.5 billion per year spent on: a) providing Vitamin A to children who lack it in their diet, thereby preventing blindness in 250,000 children/year; b) providing oral rehydration therapy for children with severe diarrhoea; and c) immunizing 1 billion children in developing world against measles, tuberculosis, diphtheria, whooping cough, polio and tetanus, thereby preventing the death of 6-7 million children/year.
2B. Special health problems: \$40 million per year for iodine addition to table salt to eliminate iodine deficiency, thereby reducing the 190 million who suffer from goiter and not adding to the 3 million who suffer from overt cretinism.

3. Eliminate inadequate housing and homelessness: \$21 billion for ten years spent on making available materials, tools and techniques to people without adequate housing. Closely linked with #'s 1, 4, 5, 9.

4. Provide clean and abundant water: \$50 billion per year for ten years spent on water and sanitation projects—wells, pipes, water purifying systems. Closely related to #'s 1, 2, 3, 9.

5. Eliminate illiteracy: \$4.5 billion per year for ten years; \$2 billion spent on a system of 10 to 12 communication satellites and their launching; \$2 billion spent on ten million televisions, satellite dish receivers, and photovoltaic/battery units for power—all placed in village schools and other needed areas throughout high illiteracy areas; the rest (90% of funds), spent on culturally appropriate literacy programming and maintenance of system. Closely related to #'s 1, 2, 3, 4, 9, 10, 11.

6. Increase efficiency: \$33 billion per year for ten years spent on increasing car fleet mileage to over 50 m.p.g..

References: *Ho Ping Food for Everyone*, World Game Institute, Doubleday, New York #1, 10.
State of the World's Children, UNICEF, Oxford University Press, 1990; #2, 2A, 2B, UNICEF.
Global Children's Future, The World Summit for Children, New York, UNICEF, 1990, pp. 4-6, 10.
and "Moving Towards a Global Ethic," Development Forum, p.1, Sept./Oct. 1990; #2, 2A, 2B.
State of the World 1988, Worldwatch Institute, Washington, D.C.; #4, 6, 7, 8, 10, 11.
Energy, Earth and Everyone, World Game Institute, Doubleday, New York; #6, 7.
Soil Energy Falls, Amory Lovins, Ballinger, Boston; # 6, 7.
1992 Report on Progress Towards Population Stabilization, Population Crisis Committee, Washington, D.C.; #8.
World Resources 1986, 1987, World Resources Institute, Washington, D.C.; #12, 13, 14.
The Sky is the Limit, Strategies for Protecting the Ozone Layer, World Resources Institute, Washington, D.C., 1986; #12.

plus increasing appliance, industrial processes, and household energy and materials use efficiency to state of the art. Closely linked with #'s 7, 8, 12, 13, 14.

7. Increase renewable energy: \$20 billion per year for ten years spent on tax and other incentives for installation of renewable energy devices, graduated ten year phase-out of subsidies to fossil and nuclear fuels, research and development into more advanced renewable energy harnessing devices. Closely linked with #'s 6, 8, 11, 12, 13, 14.

8. Debt management: \$30 billion per year for ten years spent on retiring \$450 billion or more of current debt discounted to 50% face value. (Much of developing world's current debt is already discounted to 10-25% face value.) Not only helps developing countries get out of debt, but helps banks stay solvent. Closely linked with #'s 1, 6, 7, 10, 11, 14.

9. Stabilize population: \$10.5 billion per year for ten years spent on making birth control universally available. Closely linked with #'s 1, 2, 3, 4, 5.

10. Reverse soil erosion: \$24 billion per year for ten years spent on converting one-tenth of world's most vulnerable cropland that is simultaneously most susceptible to erosion, the location of most severe erosion, and the land that is no longer able to sustain agriculture, to pasture or woodland; and conserving and regenerating topsoil on remaining lands through sustainable farming techniques. Both accomplished through a combination of government regulation and incentive programs that remove the most vulnerable lands from crop production; and by farmer education through vastly expanded in-country extension services that teach/demonstrate sustainable agriculture and soil management techniques. Closely linked to #1.

11. Reverse deforestation: \$7 billion per year for ten years spent on reforesting 150 million hectares needed to sustain ecological, fuelwood, and wood products needs. Planted by local villagers, costs would be \$400 per hectare, including seedling costs. Additional costs for legislation, financial incentives, enforcement of rainforest protection. Closely linked with #10 and 14.

12. Reverse ozone depletion: \$5 billion per year for twenty years spent on phasing in substitutes for CFCs, CFC taxes, incentives for further research and development. Closely linked with #14.

13. Stop acid rains: \$8 billion per year for ten years spent on combination of tax incentive, government regulation and direct assistance programs that place pollution control devices (electrostatic precipitators, etc.) on all industrial users of coal, increase efficiency of industrial processes, transportation, and appliances. Closely linked to #'s 6, 7, 11, 14.

14. Stop global warming: \$8 billion per year for thirty years spent on reducing carbon dioxide, methane and CFC release into atmosphere through combination of international accords, carbon taxes, increases in energy efficiency in industry, transportation, and household, decreases in fossil fuel use, increases in renewable energy use and reforestation. Closely linked with #'s 6, 7, 11, 12, 13.

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I AM VERY MUCH AGAINST HAVING THE STRATEGIC TARGET SYSTEM PROJECT ON KAUAI. KAUAI'S BEAUTY ATTRACTS THOUSANDS OF VISITORS FROM ALL OVER THE WORLD EVERY YEAR. HAVING A MISSILE LAUNCHING SITE ON THIS ISLAND WILL DRAMATICALLY CHANGE KAUAI'S IMAGE AND WILL NEGATIVELY AFFECT OUR ECONOMY HERE. WE ALL DEPEND ON THE VISITOR INDUSTRY AND TURNING KAUAI INTO A MISSILE SITE WILL TURN VISITORS AWAY. PLEASE PROTECT AND PRESERVE OUR ISLAND'S NATURAL BEAUTY, ALOHA SPIRIT, AND ECONOMY. NO STARS ON KAUAI!

Name ANNE ENGLISH

Address PO Box 1280 KALAEHO HI 96741

Street Address

City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:

Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

WR52

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I OPPOSE THE PROPOSED STRATEGIC TARGET SYSTEM MISSILE LAUNCHES DUE TO THE FACT THAT THE ACTUAL AND POTENTIAL ECONOMIC AND ENVIRONMENTAL DAMAGE WHICH THESE LAUNCHES WILL CAUSE FAR OUTWEIGH ANY ~~PROS~~ IDENTIFIED AND CERTAIN BENEFITS THAT THE PROPOSED SYSTEM CAN PROVIDE. I STRONGLY RECOMMEND THAT YOU ADOPT THE "NO-ACTION" ALTERNATIVE.

1

Name MICHAEL S. SWATKIC

Address 3707 QUAD ROAD, KOLAA, HI 96756

Street Address

City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

2-42

WR53

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

Against testing missile system on Kawaii.
This is the "garden island". We have a sensitive ecology & environment. An accident could wreak havoc on both the immediate ocean and also land areas.

You haven't examined the immediate effects of halon release or immediate ozone depletion above.

Visitor industry (our main industry) could be demolished by either A) an accident B) a reputation as a major military test facility.

West side access to beach will be restricted and noise pollution from launches is already unacceptable.

1

2

Name Dr. Edward de Deo D.C.

Address 3707 Omega Rd Koloa, HI 96756

Street Address

City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

WR54

Tsugime Takemoto
6416 Ahele Drive
Kapaa HI 96746

April 2, 1992

Deputy Commander, U. S. A. SDC
CSSD-EN-V (D. R. Gallien)
P. O. Box 1500
Huntsville, AL. 35087-3801

Dear Sirs:

The STARS debate will probably continue on Kauai as the fanatics are still here. I regret not being able to go to the two hearings you held, but we don't drive at night unless it is absolutely necessary. Old age does have a tendency to creep up on us.

Despite the circus atmosphere and all, I say we still need the missiles. We are still in danger from attack, what with pulling out of the Phillipines. At least if we have the missile, however small, we will not be so readily attacked.

Where the money comes from I shall never know. Rumor has it that the ones who speak against it, are shipped in from the Mainland. Not all, but most.

So I hope that the decision will be made to stay as we are and the sooner the better so we can get tourism back to support us like it did before.

I appreciate your sending the literature so I could look at two sides of the coin. My interest is from being President of the American Legion Auxiliary, Kauai Unit 2. The greatest majority of veterans are for it. I am also secretary to the Kauai Veterans Council which is on record as for it.

Thank you.

Sincerely,

Tsugime Takemoto

Tsugime Takemoto
6416 Ahele Drive
Kapaa, HI.. 96746
823 6160

WR55

Written Comment Sheet

Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I am against the star wars project on Kauai. Kauai represents the last garden of Eden to all who visit and especially those who live here. It is known as the healing island. Bringing star wars here would not only harm the environment but put at risk the lives and livelihood of its people if there were to be an accident in transporting the chemicals required to launch this project through the island. The chances of an accident happening are very probable and likely. Aside from the environmental issues (the depletion of the ozone layer, & transporting toxic chemicals) I find it disrespectful to the Hawaiians whom this land belongs to, the launching site being on one of the most sacred heaals on the island.

Name Deborah Milantez

Address P.O. Box 3 Kapaa HI 96751
Street Address City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

WR56

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I support the No Action Option for STARS on Kauai. The world situation has changed greatly since the inception of STARS and it is not necessary anymore. Who will attack us? The major threat now is terrorism and STARS does not address that. Also, given our present economy it is foolish to spend billions of dollars on a project that is not necessary and very probably will not be effective. Additionally, the potential for ecological harm to Kauai, which translates to economic harm is too great to be acceptable.

Name Richard Sherman
Address 3707 Omao Rd, Koloa, HI 96756

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

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2-44

WR57

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I choose the No Action option for STARS on Kauai. I back the mayor who is opposed to the STARS project. I'm outraged that the public's health & safety would be at risk if transportation of hazardous materials were allowed to happen. The EIS Study + PHRF officials have not been contacted or consulted. Kauai's Public Safety staff. In this post cold war period, we no longer need to spend money for offensive weapons under the guise of defense!

Name Quita Van Auker
Address PO Box 1200, Kalaheo HI 96766

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

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2

WR58

Dear Sir,
Please oppose
the STARS program
on the island of
Kauai



Post Card

Deputy Commander
U.S. Army Strategic
Defense Command
Attn: CSSD-EN-V (D.R. Gallien)
PO Box 1500
Huntsville, Alabama
35807-3801

Sincerely,
Mary E. Jones

WAINIMA GENERAL STORE located two miles beyond famous
Lunahai Beach. It's the last grocery store on the road to Heaena on
Kauai's picturesque North Shore.

Wainima General Store, PO 164 - Hanalei, HI 96721

2-45

WR59

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

Should an accident occur, the bad
publicity would effect sub economy
as well as harm the island itself.
We neednt spend money for ^{offensive} defense.
Please choose the No Action
option for Stars on Kauai

Name KAY DOTY

Address 4811 KIKALA

KALAEHO HI 96741

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

1

1

WR60

April 5, 1992
Judith B Parsons
P.O. Box 2
MAKAWALI, KAUAI, HI 96768

US ARMY Strategic Defense Command
ATTN: CFFD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Ala. 35807-3801

Dear Madam Sir;

This is to inform you of my opposition to the STARS program on the Island of Kauai, state of Hawaii. My reasons you have heard before from many others.

Please let us all quit using fear, a negative energy and promote the positive in our world for the sake of all living things.

My love and prayers are with you all in this decision.

Sincerely,
Judith Parsons

1

246

WR61

**KATE HARRINGTON SHEA
AND ASSOCIATES**

April 1, 1992

U.S. Army Strategic
Defense Command
P.O. Box 1500
Huntsville, ALABAMA 35807-3801

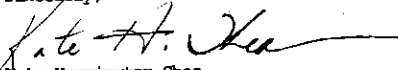
Attn: CSSD-EN-V
(C D.R. Gallien)

To Whom It May Concern,

I am writing to state that I am against "Star Wars" activity on Kauai, Hawaii.

Thank you.

Sincerely,


Kate Harrington Shea
P.O. Box 224
Princeville, HI 96722

1

WP62

P.O. Box 1172
Hanalei
Hawaii 96714

April 3, 1992

Mr. Randy Gallien
Lt. Col. Gus Manguso
U.S. Army Strategic Defense Command
P.O. Box 1500
Huntsville, Alabama 35807-3801

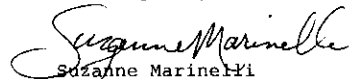
Aloha, Gentlemen:

Enclosed please find some comments I submit regarding your STARS/EDX missile program proposed for Kauai. These responses are mine individually, and not those of Sierra Club.

Under separate cover, and (probably moments) prior to your April 13, 1992 response deadline, Sierra Club's official comments will be delivered.

Working with you in the past has been a pleasure; I hope the same will hold true for the future.

Kind regards,


Suzanne Marinelli

WP62 (cont.)

March 26, 1992

(en)treaty

emptiness engulfed me as i woke to face this day
like i had known it would.
what i couldn't have guessed was its vastness
or its coldness. it is grey.
i couldn't think, couldn't feel, couldn't find my way.
all was gone except for emptiness.

eons passed.
morning waited.
birds somehow remembered to sing.
finally the raining came, so softly.

(i stare at my pen and consider: could i live
without this thing? i think perhaps
it couldn't be done.)

even with my pen in hand i remain benumbed.
what will it say, what can it let me bring to you?
how can we reach the memory?
which pictures will you never see?
how long will this be, how long?
how long must we do this thing?

i see a wall.
it separates me from the future
maybe only for today, but i'm glad to see it anyway.
beyond lies resolution of this conflict we've engaged.
i do not want that resolution yet today.
i cannot see a way for us to get there without pain.

(1)

1

2-47

if i prevail and stop your launches,
 what happens to your family life?
 must we fear for your careers, your certainty or mine that
 what we do is right?
 will our actions bring more harm than what's already done?
 i pray to god it won't be so.
 please know, please know, i do not want to hurt you
 any one.

or might you send your rockets with me imprisoned in a cell,
 the freedom that i love most dearly lost inside your victory?
 i pray again that this won't be.

each answer is as possible as all the other ones,
 but every one i see today
 involves more pain along the way.

i close my eyes and try to let the visions go.
 the wall and my pen must protect me; there's no need now
 to know.
 eons pass but mourning will remain.

my tears relent and begin to flow
 with the answering downpouring rain.

2-48

Written Comment Sheet

Strategic Target System
 Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

*Star program is not healthy for America's
 number one industry: Tourism. We were
 willing to sacrifice our economy (78% based
 on Tourism) to do these tests? I am not!
 One can hardly rely on the Army
 to do their own EIS and be unbiased.
 The results are not to be considered
 valid.*

1

Name Connie Clouse

Address P.O. Box 1208, Kaloter, HI 96741
Street Address City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
 Deputy Commander
 U.S. Army Strategic Defense Command
 Attention: CSSD-EN-V (D.R. Gallien)
 P.O. Box 1500
 Huntsville, Alabama 35807-3801

Written Comment Sheet

Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

My name is Deborah Forester, I am a concerned resident of Kawai. I came here because of its rare beauty and to do my life's work. I have been teaching children for 14 yrs, and I have a masters' degree in Education, and am a mother.

I chose this field of work because I love and care about people. I see the difficulties which our present way of life presents to our children and I am concerned that they be given an equal chance to live their lives on this planet, just as we and our ancestors have.

When I received the FIS in the mail I was disappointed to find the lack of social & humanitarian implications. It seems to always be the case, that when governments, esp. the military weigh things out - it's always human lives that

Name Deborah Forester

Address P.O. Box 867 Kilauea HI 96754

Street Address

City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

lose out. I'd like to ask, "Were the Marshallese ever considered when the US military decided to put a missile range on their precious atoll of Kwajalein or was the strategic location of their islands more important?"

Did the US government ever consider the Kanaka Maoli when they overthrew their government or was it business interests which prevailed?

I would like to ask you now to look inside your souls, turn your gaze inward. Try to set your own personal motives aside. If you believe in God, listen to him now. Pray, in the silence of your own souls, ask yourself, "Is the decision to allow the U.S. government's military to fire off these dangerous war machines from our island homeland really necessary? Who are our enemies? Is Russia a threat? Is Red China a threat? Is Star Wars really an effective way to protect ourselves?"

Did the U.S. government ever consider the Native Americans on the

mainland, when they took over their lands and confined them to the barren reservations? Then, as if that wasn't bad enough, when they discovered uranium under their soil on the "4 Corners" reservation, more specifically... Big Mountain, it's called; (the Hopi & Navajo reservation), they took legal action (mostly illegal) to get most of the mineral rights back from them. The injustices that the investigations uncovered against our own Native Americans were deplorable.

My friends, it saddens me greatly everytime I study and research the injustices committed against human kind. Who is the culprit? Who wins out? Over and over again, throughout all of history, the culprit is the same; Greed, Power, and the need-to-control.

I think it's important here that we, as conscious human beings, open our eyes and honestly come to terms with the grave danger that STARS

proposes. We are making history here tonight, by being allowed to speak here at this hearing.

It's time to stop pretending that accidents can't or won't happen to us. If we were all adolescents here making this decision, I could understand this predominant feeling or attitude of OMNIPOTENCE, but we are mature adults here. Accidents do happen. Remember the Challenger?

I am from Pennsylvania. I lived there when 3 mile Island melted down. You know what? It's still melting down. They aren't able to stop it! It's all hush, hush, of course. People don't bother to protest it - there's nothing we can do to stop it. They're trying to keep it cool enough until it eventually expends itself.

As mature adults, we are supposed to be taking responsibility for the results or implications of our decisions, (or are we merely like children playing with razor blades?)

WR64 (cont.)

If we stand by and witness the implementation of this out-dated, unnecessary, and money-making scheme, otherwise known as "STARS" here on this island, then we are just as guilty as those who have concocted this scheme. Think about this when a rocket misfires and children and adults are killed... Think about this when a tanker truck full of hydrazine (the fuel they plan to use) spills on our only road to the westside - and the land is ruined, and people must be evacuated. No tourists will be allowed through to see our Waiimea Canyon or Kokee State Park, etc. The Sugar Cane & Macademia Nuts would doubtfully survive the poison, let alone the residents.

Please, I ask you, do not allow yourselves to be duped into believing that we need this for our National Security.

Please, do not be duped into

WR64 (cont.)

believing that we need it for economic reasons. Have faith - better jobs can be created for those of you who face possible lay-off.

And... above all, do not be duped into believing that you can't do anything to stop this. You can, we can, and we must have faith that we can right a wrong. This is our opportunity, let's use it.

This island is not only one of our most precious national treasures, but it is one of the most lush and dramatic landscapes in the entire world. People spend years saving up enough money to vacation here for two weeks.

Nature, to me, is the art of God. This land is truly an expression of God's love. I know I am not alone when I say, "This land nourishes my soul. Its spirit fills me with the warmth of aloha." IT DESERVES OUR PROTECTION. Just as WE DESERVE OUR NATION'S PROTECTION.

Please, I ask you, reconsider. Do not further damage these lands. Haven't we done enough damage already? It's time to be helpful, not harmful.

Sincerely, Deborah Forster

WR65

MR. CHAIRMAN

NATIVE KANAKA MAOLI PEOPLE OF NA MAOKU PUNI CALLED HAWAII

MY PRAYER

I PRAY THAT THE SPIRIT OF THE LORD MAY BE WITH ME THAT WHATEVER I
PRESENT MAY BE PLEASING TO HIM AND BENEFICIAL TO ALL THE PEOPLE OF THE
WORLD, AMEN

MARCH 24, 1992

TO THE PRESIDENT OF THE UNITED STATES OF AMERICA PRESIDENT GEORGE BUSH

TO THE UNITED STATES SECRETARY OF THE INTERIOR SECRETARY MANUEL LUJAN,
JR.

AND TO THE UNITED STATES ARMY STRATEGIC DEFENSE COMMAND

WHERE AS BECAUSE OF GOVERNMENT ACTIVITIES WHICH ARE BEING PLANNED AT
BONHAM AIR BASE, CONCERNING THE STRATEGIC TARGET SYSTEM AN ITS
ENVIRONMENTAL IMPACT ON THE ISLAND OF NA MOKUPUNI CALLED KAUAI IN THE
DISTRICT OF PAPAENAENA OF THE AHUPUAA OF KIKIAOLA

AND BECAUSE OF THE PROBLEMS OUR NATIVE KANAKA MAOLI PEOPLE ARE HAVING
TODAY WITH THE STATE OF HAWAII AND THE UNITED STATES OF AMERICA, WITH
A POSSIBILITY OF LOSING ALL OUR NATIVE KANAKA MAOLI ASSETS NAMELY
LANDS AND WATER RESOURCES AND SO FORTH.

WR65 (cont.)

AND WHERE AS THE REMARKS OF PRESIDENT GEORGE BUSH OF THE UNITED STATES
OF AMERICA, CONCERNING THE NATIVE PEOPLE OF THESE ISLANDS CALLED
HAWAII, IN REGARDS TO THE TRUST RESPONSIBILITY OF THE NATIVE KANAKA
MAOLI PEOPLE OF WHICH HE SAYS THE UNITED STATES HAS NO OBLIGATION--

WHEREFORE, TITLE 48, UNITED STATES CODE S661 WHICH DEALS WITH THE
MANAGEMENT AND DISPOSITIONS OF PUBLIC LANDS WHICH STATES IN PERTINENT
PARTS:

"THE LAWS OF THE UNITED STATES EXISTING ON JULY 7, 1898, RELATIVE TO
PUBLIC LANDS SHALL NOT APPLY TO SUCH LANDS IN THE HAWAIIAN ISLANDS,
BUT CONGRESS SHALL ENACT SPECIAL LAWS FOR THEIR MANAGEMENT AND
DISPOSITION, PROVIDED, THAT ALL REVENUE FROM OR PROCEEDS OF THE SAME
SHALL BE USED SOLELY FOR THE BENEFIT OF THE INHABITANTS OF THE
HAWAIIAN ISLANDS.

THEREFORE, LOOKING INTO THE DEFINITION OF THE TERM INHABITANTS AND
KEEPING IN MIND THAT THE YEAR WAS 1898 THE INHABITANTS WERE REFERING
TO THE NATIVE KANAKA MAOLI PEOPLE OF THE LANDS.

THE UNITED STATES HELD THE PUBLIC LANDS WHICH HAS BEEN DEFINED IN THE
ORGANIC ACT OF 1900 AS THESE LANDS WHICH WERE CLASSIFIED AS KINGDOM
AND/OR CROWN LANDS PREVIOUS TO AUGUST 15, 1895 OF HAWAII IN TRUST FOR
THE BENEFIT OF THE HAWAIIAN PEOPLE.

"THAT A TRUST IS A RIGHT OF PROPERTY REAL OR PERSONAL HELD BY ONE
PARTY FOR THE BENEFIT OF ANOTHER" 3 BOUVIER'S 3328

WR65 (cont.)

THE UNITED STATES CLAIMED NO OWNERSHIP TO SAID PUBLIC LANDS, BUT RATHER HOLDERS IN TRUST AS PURSUANT TO TITLE 48, UNITED STATES CODE. THEREBY MAKING THE UNITED STATES THE TRUSTEE'S WITH A FIDUCIARY DUTY TO UPHOLD THE RIGHTS OF THE BENEFICIARIES, WE THE NATIVE KANAKA MAOLI PEOPLE.

FURTHER MORE PURSUANT TO BOUVIER'S LAW DICTIONARY 1914 EDITION PAGE 1426, HAWAII IS DEFINED AS FOLLOWS, IN PERTINENT PARTS.

"A REPUBLIC WAS PROCLAIMED AND A NEW CONSTITUTION PROMULGATED JULY 4, 1894 BY THIS CONSTITUTION THE PRESIDENT OF THE REPUBLIC WAS EMPOWERED TO "MAKE A TREATY OF POLITICAL OR COMMERCIAL UNION WITH THE UNITED STATES."

KA WANA NA KOA VS. POLY BLANK 205 U.S. 354, 27 SUP. C.T. 526 51 L. ED. 834.

PLEASE TAKE NOTICE, THAT HAWAII WAS ANNEXED ONLY THROUGH POLITICAL OR COMMERCIAL UNION AN NOT AN OVERTHROW OF THE LAND OWNERSHIP OR ITS PEOPLE, UPON ADMISSION OF HAWAII INTO THE UNION THE UNITED STATES DID NOT PASS OWNERSHP OF THE PUBLIC LANDS IT CONVEYED TO THE STATE OF HAWAII BUT RATHER PASSED ON THE TRUST RESPONSIBILITY OT THE STATE OF HAWAII, AS PURSUANT TO THE HAWAII ADMISSION'S ACT 1959 IN PERTINENT PART.

THE LANDS GRANTED TO THE STATE OF HAWAII BY THE UNITED STATES TOGETHER WITH THE PROCEEDS FROM THE SALE OF OTHER DISPOSITIONS OF ANY SUCH LANDS AND INCOME THERE FROM SHALL BE HELD BY SAID STATE AS A PUBLIC TRUST FOR THE BETTERMENT OF THE CONDITIONS OF NATIVE HAWAIIANS AND THERE USE FOR ANY OTHER OBJECT SHALL CONSTITUTE A BREACH OF TRUST FOR

WR65 (cont.)

WHICH SUIT MAY BE BROUGHT BY THE UNITED STATES.

THE BIG QUESTION

IS THE BONHAM AIR BASE A PART OF THE PUBLIC LANDS HELD BY THE UNITED STATES AND DEFINED IN THE ORGANIC ACT OF 1900 AS THESE LANDS WHICH WERE CLASSIFIED AS KINGDOM AND/OR CROWN LANDS PREVIOUS TO AUGUST 15, 1895 OF HAWAII IN TRUST FOR THE BENEFIT OFTHE HAWAIIAN PEOPLE.

THESE LANDS

GOV. EX ORDER 945	PART - 1	903.00	AC
GOV. EX ORDER 945	PART - 2	473.52	AC
GOV. EX ORDER 887		548.57	AC
TRACT E-1		69.562	AC
PRES. PROC. NO 827		16.2484	AC

A TOTAL OF OVER 2,000 AC AND YES PAYMENT PER YEAR IS \$1.00 FOR ALL "OR" ARE THESE LANDS AT BONHAM AIR BASE THE PRIVATE OR SOVEREIGN LANDS DEEDED TO A NATIVE KANAKA MAOLI CHIEF NAME AU PUNI IN THE GREAT MAHELE OF 1848, THE FIRST DIVISION OF JANUARY 27, 1848 INTHE SECOND PALAPALA OR DEED.

TO ANSWER THESE QUESTION AN OVERVIEW OF THE GREAT MAHELE OF JANUARY 27, 1848, ENDORSE BY AGREEMENT BY KING KAMEHAMEHA III, PRINCESS VICTORIA KAMAMALU BY HER GUARDIAN MATAIO KEKUANAOA AND IOANE II, TAKEN FROM THE BIG BOOK THE GREAT MAHELE OF 1848 BY JON J. CHINEN.

WP65 (cont.)

AN OVERVIEW
OF
THE GREAT MAHELE OF 1848
PALAPALA AINA--LAND DEED

KING KAMEHAMEHA III, WAS DEEPLY CONCERNED OVER THE HOSTILE ACTIVITIES OF THE FOREIGNERS IN THE ISLANDS AND DID NOT WANT THIS KINGDOM TO BE CONSIDERED "PUBLIC DOMAIN," AND THERE BY SUBJECT TO CONFISCATION BY A "FOREIGN POWER" IN THE EVENT OF A CONQUEST.

THEREFORE KING KAMEHAMEHA III, SET FORTH THE GREAT DIVISION OF LANDS INTO TWO (2) DISTINCT PARTS, IN THE BEST INTEREST OF THE NATIVE KANAKA MAOLI PEOPLE, WHOWERE THE SOVEREIGN OF THE ISLANDS OF NA MOKU PUNI CALLED HAWAII.

BECAUSE OF THE LACK OF SURVEYORS IN THE ISLANDS DURING THIS ERA THE MAHELE OR LAND DIVISION WERE ACCORDING TO THEIR ANCIENT NAMES AND LAND MARK BOUNDARIES AND WERE EITHER A MOKU (AN ISLAND) OR AHUPUAA, OR ILI AINA.

THE FIRST PALAPALA OR DEED TAKEN FROM THE MAHELE BOOK OF 1848

THE FIRST PALAPALA OR DEED
(BELONGING TO KAMEHAMEHA III)
(TRANSLATION - KANAKA MAOLI TO ENGLISH)

(E IKE AUANEI NA KANAKA A PAU)

I RECOGNIZE PRESENTLY THIS KANAKA RACE OF PEOPLE ENTIRELY
(MA KEIA PALAPALA)

WP65 (cont.)

IN BEHALF OF THIS DOCUMENT

(OWAU O KAMEHAMEHA III NO KA LOKO MAIKAI O KE AKUA KE ALII O KO HAWAII NEI PAE AINA)

I HUMBLY AGREE I KAMEHAMEHA III BELONGING TO THIS GOODWILL AGREEMENT OUR LEADER OUR CHIEF OF THIS ISLANDS THIS GROUP OF LANDS.

(UA HAAWI AU I KEIA LA NO KO'U MAKEMAKE MAOLI NO A I A HOOLILO A ME KA HOOKAANALE MAU LOA AKU)

TO PRESERVE TO GIVE IN THIS ERA AS AFOREMENTIONED BY MY FREE WILL INDEED, FOR MY OWN YES MY OWN TO PASS INTO POSSESSION AS MY OWN AND TO BE DIVIDED FOREVER THIS AMOUNT

(I NA ALII A ME NA KANAKA KANUI O KO'U AINA ALII E PONO)

FOR THIS CHIEF TO GET AS HIS OWN AND BELONGING TO THIS NATIVE KANAKA MAOLI RULER OF THIS LANDS CHIEF OF GOODNESS.

(AI A E PO MAIKAI AI KE AU PUNI HAWAII)

TO CONTROL TO GET FOR MY PROSPERITY FOR MY KINGDOM OF HAWAII

(NO LAILA MA KEIA PALAPALA KE HOOKOE NEI AU)

THEREFORE IN BEHALF OF THIS DOCUMENT OURS TO SAVE IN THIS ERA.

(NO'U IHO A NO KO'U POE HOOLINA A ME POE HOPE A MAU LOA AKU NEI AINA)

FOR MY DESCENT AS YOUR OWN BELONGING TO YOU PEOPLE "HEIRS" AS YOUR OWN MY PEOPLE SUCCESSORS AS YOUR OWN FOREVER THIS DEFINITE AMOUNT IN THIS ISLANDS.

(OU I KA KA UIA MA NA AOA)

MINE AS THIS WRITTEN WILL SUBMITTED IN BEHALF OF THIS OPTION OF THE TWO PARTIES TO AN AGREEMENT OF ALL LANDS ON PAGES 178, 182, 184, 186, 190, 194, 200, 204, 206, 210, 212, 214, 216, 218, 220, AND 222.

(O KEIA PUKE)

AGREEMENT WRITTEN IN THIS BOOK.

"E ike auanei na kanaka a pau ma keia palapala, owau o KAMEHAMEHA III, no ka lokomaikai i ke Akua, Ke Alii o ko Hawaii no Pae Aina, ua haawi au i kela la no ko'u makemake maoli no, a e a hoolilo a me ka hookahi wale mau loa aku i na Alii a me na kanaka ka nui o ko'u aina Alii, e pono ai a e pomaikai ai ke Aupuni Hawaii, nolaita, ma keia palapala, ke hookoe nei au no'u iho a no ko'u poe hoolina a me ko'u poe hope a mau loa aku nei aina o'u i kakauia ma na aoao 178, 182, 184, 186, 190, 194, 200, 204, 206, 210, 212, 214, 216, 218, 220, 222, o keia Duke

KO KAMEHAMEHA III

(178)

3 ONOULI		KONA	HAWAI'I
4 HONOMALINO		KONA	HAWAI'I
1 PUUWAAWAA		KONA	HAWAI'I
2 HALEOHU		KONA	HAWAI'I

(182)

5 PUAAMAENA	AHUPUAA	KONA	HAWAI'I
6 WAIOHINGU	AHUPUAA	KAU	HAWAI'I
8 KAPAPALA	AHUPUAA	KAU	HAWAI'I

(184)

10 KAIMU		PUNA	HAWAI'I
7 APUA		PUNA	HAWAI'I
11 WAIKOLEA	ILI no KALAPANA	PUNA	HAWAI'I

(186)

13 WAIAKEA	AHUPUAA	HILO	HAWAI'I
12 OLA	AHUPUAA	PUNA	HAWAI'I
14 PONAHAHAWAI	AHUPUAA	HILO	HAWAI'I
15 PIIHONUA	AHUPUAA	HILO	HAWAI'I
16 HUMUULA	AHUPUAA	HILO	HAWAI'I

(190)

20 KACHIA	ILI no WAIPIO	HAMAKUA	HAWAI'I
21 POHAKUMAUULUULU	ILI no WAIPIO	HAMAKUA	HAWAI'I
22 MUIWAI	ILI no WAIPIO	HAMAKUA	HAWAI'I
19 LALAKEA	ILI no WAIPIO	HAMAKUA	HAWAI'I
24 WAIPIO	AHUPUAA	HAMAKUA	HAWAI'I
23 WAIMANU	AHUPUAA	HAMAKUA	HAWAI'I
18 HONOKAIA	AHUPUAA	HAMAKUA	HAWAI'I
17 KALOFA	AHUPUAA	HAMAKUA	HAWAI'I

(194)

29 KAAUHUU	AHUPUAA	KOHALA	HAWAI'I
27 AAMAKAO	AHUPUAA	KOHALA	HAWAI'I
28 IOLE	AHUPUAA	KOHALA	HAWAI'I
25 POLOLU	AHUPUAA	KOHALA	HAWAI'I
26 KAPUNA	AHUPUAA	KOHALA	HAWAI'I
31 WAIMEA	AHUPUAA	KOHALA	HAWAI'I
32 PUUKAPU i WAIMEA	AHUPUAA	KOHALA	HAWAI'I
30 KAWAIIAE	KOMOHANA	KOHALA	HAWAI'I

WR65 (cont.)

KO KAMEHAMEHA III

(200)

2	ALAMINI	AHUPUAA	LAHAINA	MAUI
5	KUHUA 1	AHUPUAA	LAHAINA	MAUI
1	MALA	AHUPUAA	LAHAINA	MAUI
10	POLAPOLA	AHUPUAA	LAHAINA	MAUI
4	PAEHI mai KEKAUONOHI	mai aka no KEOHOKALOLE	3000 10, G.P. JUDD	
9	OPAULA	AHUPUAA	LAHAINA	MAUI
8	ILIKAHU	AHUPUAA	LAHAINA	MAUI
11	WAIANAE	AHUPUAA	LAHAINA	MAUI
3	KUHOLILEA Hiki	AHUPUAA	LAHAINA	MAUI
16	KAUULA	AHUPUAA	LAHAINA	MAUI
17	OLOWALU	AHUPUAA	LAHAINA	MAUI
13	UKUMEHAME	AHUPUAA	KAHOO LAWE no AUPUNI	
19	AWEOWEO	ILI no UKUMEHAME	KAHOO LAWE	MAUI
14	PUEHUEHU	AHUPUAA	KAHOO LAWE	MAUI
15	PUEHUEHU	Ho'hoi ia L. LAHILI. S.P.K.		MAUI
12	WAINEE	AHUPUAA		MAUI
7	LAPAKA	AHUPUAA		MAUI
13	WAINEE 2	AHUPUAA		MAUI
1	KUHUA	AHUPUAA		MAUI
20	KEOKEA	AHUPUAA	KULA	MAUI
21	KEALAHOU 1	AHUPUAA	KULA	MAUI
22	KEALAHOU 2	AHUPUAA	KULA	MAUI

(204)

24	WAILUA	ILI	HANA	MAUI
23	WAIHONU	AHUPUAA	HANA	MAUI
27	KEANAE	AHUPUAA	KOOLAU	MAUI
25	WAILUA 1	AHUPUAA	KOOLAU	MAUI
26	WAILUA 2	AHUPUAA	KOOLAU	MAUI
29	WAILUKU Koe Aoo Akau na ili i na Konohiki		PUALI Kom.	MAUI
30	POLIPOLI	AHUPUAA	NAPOKO	MAUI
31	KAHAKULO		KAHAKULO	MAUI
32	WAIOKILA	ILI no KAHAKULO	KAANAPALI	MAUI
37	HONOKOWAI		KAANAPALI	MAUI
33	NAPILI 1			MAUI
34	NAPILI 2			MAUI
35	POLUA		KAANAPALI	MAUI
36	AHOA			MAUI

(206)

38	UALAPUE	AHUPUAA		MOLOKAI
40	PALAAU	AHUPUAA		MOLOKAI
39	KALAMAULA	AHUPUAA		MOLOKAI

WR65 (cont.)

KO KAMEHAMEHA III

(210)

	KAHOOKANE	ILI no HONOLULU	KONA	OAHU
9	1/2 KAWAIKI	ILI no HONOLULU	KONA	OAHU
15	KAEHUNA	ILI no HONOLULU	KONA	OAHU
8	KAWAIKI	ILI no HONOLULU	KONA	OAHU
12	1/2 KAWANANAKOA	ILI no HONOLULU	KONA	OAHU
13	KUKANAKA	ILI no HONOLULU	KONA	OAHU
10	AUWAIOLIMU	ILI no HONOLULU	KONA	OAHU
11	KAPALOA	ILI no HONOLULU	KONA	OAHU
12	LUAKAHA	ILI no HONOLULU	KONA	OAHU
9	HAUHAUKOI	ILI no HONOLULU	KONA	OAHU

(212)

34	WAIOMAO	ILI no WAIKIKI	KONA	OAHU
31	HAMAMA	ILI no WAIKIKI	KONA	OAHU
27	PUAHIA	ILI no WAIKIKI	KONA	OAHU
36	1/2 WAILUPE	ILI no WAIKIKI	KONA	OAHU
26	MOOKAHI 2	ILI no WAIKIKI	KONA	OAHU
28	PILIAMOO	ILI no WAIKIKI	KONA	OAHU
25	KALOIKI	ILI no WAIKIKI	KONA	OAHU
19	1/2 MAULUKIKEPA	ILI no WAIKIKI	KONA	OAHU
20	PUKELE	ILI no WAIKIKI	KONA	OAHU
21	1/2 KAHAAUMAKAAWE	ILI no WAIKIKI	KONA	OAHU
33	KAHALAULUAHINE	ILI no WAIKIKI	KONA	OAHU
35	KANELOA	ILI no WAIKIKI	KONA	OAHU
32	1/2 POLOKE	ILI no WAIKIKI	KONA	OAHU
24	MOOKAHI	ILI no WAIKIKI	KONA	OAHU
18	PAWAA LOI	ILI no WAIKIKI	KONA	OAHU
23	HAELEINA	ILI no WAIKIKI	KONA	OAHU
29	KAALAWAI LOI	ILI no WAIKIKI	KONA	OAHU
2	1/2 KAMOOKAHI	ILI no KAPALAMA	KONA	OAHU
3	1/2 KAUKAHOKU	ILI no KAPALAMA	KONA	OAHU
4	KUMUPALI	ILI no KAPALAMA	KONA	OAHU
4	1/2 NAUWALA	ILI no KAPALAMA	KONA	OAHU
5	1/2 PAEPREALII	ILI no KAPALAMA	KONA	OAHU
1	KAHAIKI a pau	AHUPUAA	KONA	OAHU

(214)

65	AIEA	AHUPUAA	EWA	OAHU
63	HONOKOWAILANI	ILI no WAIU	EWA	OAHU
64	KAUHIHAU	ILI no WAIU	EWA	OAHU
	MANANA	AHUPUAA	EWA	OAHU
62	WELOKA	ILI no WAIMANO		OAHU
59	WAIKAKALAAU	ILI no WAIKELE		OAHU
60	PAPAA			OAHU
61	1/2 POUHALA			OAHU

KO KAMEHAMEHA III

(216)

59/58	WAIANAHE me na Aii'o	AHUPUAA	WAIANAHE	OAHU
56/57	PUPUKEA	AHUPUAA	KOOLAULO	OAHU
55	WAIALEE	AHUPUAA	KOOLAULO	OAHU
54	KAWELA	AHUPUAA	KOOLAULO	OAHU
56	PAUMALU	AHUPUAA	KOOLAULO	OAHU
53	KAHUKU	AHUPUAA	KOOLAULO	OAHU
52	HAUULA	AHUPUAA	KOOLAULO	OAHU

(218)

50	KUALOA 1	AHUPUAA	KOOLAUPOKO	OAHU
51	KUALOA 2	AHUPUAA	KOOLAUPOKO	OAHU
48	MAKAWAI	ILI no WAIHOOLE	KOOLAUPOKO	OAHU
49	HOPEKEA	ILI no WAIHOOLE	KOOLAUPOKO	OAHU
47	MALUAKA	ILI no WAIRHEE	KOOLAUPOKO	OAHU
46	KAHALUU	AHUPUAA	KOOLAUPOKO	OAHU

(220)

42	WAIKALUA	ILI no KANEONE	KOOLAUPOKO	OAHU
43	KEAAHALA	ILI no KANEONE	KOOLAUPOKO	OAHU
39	KALUAPUHI	ILI no KANEONE	KOOLAUPOKO	OAHU
45	KANOHOHULUWI	ILI no KANEONE	KOOLAUPOKO	OAHU
40	HALEKOU	ILI no KANEONE	KOOLAUPOKO	OAHU
41	KUOU	ILI no KANEONE	KOOLAUPOKO	OAHU
44	KAHALEKAUWILA	ILI no KANEONE	KOOLAUPOKO	OAHU
38	KAWAILOA	ILI no KAILUA	KOOLAUPOKO	OAHU
47	WAIMANALO	AHUPUAA	KOOLAUPOKO	OAHU

(222)

3	WAIMEA	AHUPUAA	KONA	KAUAI
2	HANAPEPE	AHUPUAA	KONA	KAUAI
1	KALANE	AHUPUAA	KONA	KAUAI
7	WAILUA	AHUPUAA	PUNA	KAUAI
6	KAPAA	AHUPUAA	PUNA	KAUAI
5	ANAHOLA	AHUPUAA	KOOLAU	KAUAI
4	HANALET	AHUPUAA	HALELEA	KAUAI

KO KAMEHAMEHA III (OVERVIEW)

WHERE AS FROM THIS PALAPALA OR DOCUMENT OR "DEED" THE FIRST INSTRUMENT OF THE GREAT MAHELE OF JANUARY 27, 1848 BY KING KAMEHAMEHA III BY HIS OWN FREE WILL HUMBLY AGREES TO THIS DIVISION OF LANDS AND THIS DIVISION WAS TO BE FOREVER, ONLY THIS AMOUNT, FOR HIM TO CONTROL FOR HIMSELF, FOR HIS KINGDOM THE KINGDOM OF HAWAII AND FOR HIS DESCENDENT HIS HEIRS AND SUCCESSORS, THIS AGREEMENT OF ALL THESE LANDS WRITTEN ON THESE PAGES 178, 182, 184, 186, 190, 194, 200, 204, 206, 210, 212, 214, 216, 218, 220 AND 222 IN THE MAHELE BOOK PALAPALA AINA OF 1848.

SO WE HAVE IT WRITTEN AND DOCUMENTED AS A "DEED" BY KING KAMEHAMEHA III

- 1- TO HIMSELF - HIS CROWN LANDS
- 2 - TO HIS KINGDOM - THE KINGDOM OF HAWAII
- 3 - TO HIS HEIRS - HIS FAMILY BY GENEALOGY
- 4 - TO HIS SUCCESSORS - HIS FAMILIES, FAMILY LANDS BY GENEALOGY

AND THEREFORE BY THIS PALAPALA OR DOCUMENT THE FIRST INSTRUMENT OR DEED OF THE GREAT MAHELE OF JANUARY 27, 1848.

KING KAMEHAMEHA III DECLARED HIS SHARE OF LANDS OF THE ISLANDS OF NA MOKU PUNI CALLED HAWAII AND BY THIS PALAPALA "ALL THAT HE TOOK, WAS ALL THAT HE GOT".

YES ONLY THE LAND SET ASIDE HERE BY KING KAMEHAMEHA III IS HIS KINGDOM AND/OR CROWN LANDS ALSO FOR HIS HEIRS AND SUCCESSORS.

THE KINGDOM AND/OR CROWN LAND OF HAWAII THAT WERE DEFINED IN THE

WR65 (cont.)

ORGANIC ACT OF 1900 IN TRUST FOR THE BENEFIT OF THE HAWAIIAN PEOPLE ARE HERE ALSO.

PAGE 222 OF THE MAHELE BOOK LANDS OF KAUAI DEEDED TO KING KAMEHAMEHA III

HANAPEPE - WAILUA- ANAHOLA

KALAHEO - KAPAA

WAIMEA & HANAIEI ARE QUESTION MARK?

HANAIEI IS NOT AN ANCIENT PLACE, WAIOLI IS ANCIENT HANAIEI IS PART OF WAIOLI.

WAIMEA-IS NOT LAND, WAIMEA IS CLEAN DRINKING WATER FOR THE SHIPS (WAIMEA IS A SPRING WATER) IN THE AHUPUAA OF MAKAWELI AT KAUNULOA LANDING

NO KE AU PUNI
THE GREAT MAHELE
OF

JANUARY 27, 1848

BELONGING DEFINITELY TO AU PUNI

TRANSLATION KANAKA MAOLI TO ENGLISH THE SECOND PALAPALA OR INSTRUMENT OR DEED

IN THIS DIVISION, KING KAMEHAMEHA III, SIGNED AND SEALED THE FOLLOWING DOCUMENTS WHICH WERE TAKEN RIGHT FROM THE MAHELE BOOK, WRITTEN IN KANAKA MAOLI LANGUAGE THIS TRANSLATION IS TO ENGLISH BY A NATIVE KANAKA MAOLI CHIEF PUNI OF THIS ERA OR AU PUNI BY GENEALOGY

(E IKE OUKOU E NA KANAKA A PAU MA KEIA PALAPALA)

I RECOGNIZE YOU BY THIS KANAKA MAOLI PEOPLE ENTIRELY AND BY THIS DOCUMENT

WR65 (cont.)

(O WAU O KAMEHAMEHA III NO KA LOKO MAI KAI O KE AKUA KE ALII O KO HAWAII NEI PAE AINA)

I HUMBLY AGREE I KAMEHAMEHA III BELONGING TO THIS GOODWILL AGREEMENT OUR LEADER, OUR CHIEF OF THIS ISLANDS THIS GROUP OF LANDS

(KE HAAWI AKU NEI AU ME KA HOOLILO A ME KA HOOKAAWALE MAULOA)

A DEFINITE AMOUNT TO GIVE AWAY IN THIS ERA, TO APSS IN TO POSSESSION TO GET AS HIS OWN AND TO BE DIVIDED FOREVER.

(AKU NO NA ALII, A ME NA KANAKA O KO'U AU PUNI)

THIS DEFINITE AMOUNT BELONGING TO THIS CHIEF, AND YES THIS PERSON NAME AU PUNI

(A LILO KOU KULEANA A PAU)

TO GET AS HIS OWN POSSESSION THIS PORTIONS OF LANDS ENTIRELY

(A ME KOU LIHI A ME KO'U WAIWAI A PAU ILOKO)

HIS OWN THESE BOUNDARIES OF LANDS, HIS OWN THESE ASSETS, POSSESSION, ESTATES, PROPERTY, WATER, GOODS, FINANCIAL BENEFITS, WEALTH, WORTH, RICHES, COSTLY VALUE, VALUABLES, USEFUL VALUBLES, IMPORTANCE.

ENTIRELY ALL THE INTERIOR OF THE LANDS ALSO.

(O NA AINA EIA NO MA KO HAWAII PAE MOKU)

THIS AGREEMENT BELONGING TO THIS LANDS, YOU ARE NOTIFIED FOR IN BEHALF OF THIS GROUP OF ISLANDS.

(UA KA KA UIA MA NA AOAO)

TO PRESERVE THIS WRITTEN REPORT SUBMITTED IN BEHALF OF THIS OPTION OF THE 2 PARTIES TO AN AGREEMENT OF ALL LANDS ON PAGES OF THE MAHELE BOOK STARTING AT PAGE 179, 181, 183, 185, 187, 189, 191, 193, 195, 197, 199, 201, 203, 205, 207, 209, 211, 213, 215, 217, 219, 221, 223, AND 225

O KEIA PUKE

AGREEMENT WRITTEN IN THIS BOOK

In this division, KING KAMEHAMEHA III, signed and sealed the following document, which was taken right from the MAHELE BOOK:

"E ike oukou e na kanaka apau ma keia palapala. O wau o KAMEHAMEHA III, no ka lokomaikai o Ke Akua Ke Alii o ko Hawaii nei Pae Aina, ke haawi aku nei au me ka hoolilo a me ka hookaawale mau loa aku no na Alii a me na kanaka o ko'u Aupuni, a lilo ko'u kuleana a pau a me ko'u lihi a me ko'u waiwai apau iloko o na aina, eia no ma ko Hawaii Pae Moku, ua kakaula ma na aoao 179, 181, 183, 185, 187, 189, 191, 193, 195, 197, 199, 201, 203, 205, 207, 209, 211, 213, 215, 217, 219, 221, 223, and 225, o keia Buke,

2-59

KO KE AUPUNI
(179)

<u>NOA O NA AINA</u>	<u>AHUPUAA</u>	<u>KALANA</u>	<u>MOKUPUNI</u>
2 PAHOEHOE 1,2	"	KONA	HAWAI'I
MAUNALEI	Mea ole "	KONA	HAWAI'I
2 MAKUU 1,2	"	KONA	HAWAI'I
7 MAUNAOUI	1,2,3,4,5,6,7 "	KONA	HAWAI'I
HALEILI	"	KONA	HAWAI'I
2 OPIHIHALI 1,2	"	KONA	HAWAI'I
1 KIPAOEHOE 1	"	KONA	HAWAI'I
ANAPUKA	"	KONA	HAWAI'I
HOOPULOA	"	KONA	HAWAI'I
KEOPUKA	"	KONA	HAWAI'I
KAHANAHAIKI	aole aina ASA KAE0	KONA	HAWAI'I
2 HOKUKANO 1,2	"	KONA	HAWAI'I
AUHAUKEAE	"	KONA	HAWAI'I
KEEKEE 2	"	KONA	HAWAI'I
LEHUULA IKI	"	KONA	HAWAI'I
KAAWALOA	Awa a me Kahi honua i kai	KONA	HAWAI'I
KEALAKEKUA	Awa a me kahi honua i kai	KONA	HAWAI'I
KEEKEE 1	"	KONA	HAWAI'I
2 KANAUEUE 1,2	"	KONA	HAWAI'I
OOMA 1	"	KONA	HAWAI'I
PUAA HEMA	"	KONA	HAWAI'I
PAHOEHOE O KE0UA	"	KONA	HAWAI'I
MAUNAOUI	"	KONA	HAWAI'I
WAIEA	"	KONA	HAWAI'I
AWALUA	"	KONA	HAWAI'I
HIANALOLI	"	KONA	HAWAI'I
KILOAIKI	"	KONA	HAWAI'I
KAUHAKO	"	KONA	HAWAI'I
KANAKAU	"	KONA	HAWAI'I
MANINOWALI	"	KONA	HAWAI'I
KOLO	"	KONA	HAWAI'I
ELEPAIO	ILI NO HONOKOHAU 2	KONA	HAWAI'I

WR65 (cont.)

NO KE AUPUNI
(179/181)

<u>NOA O NA AINA</u>	<u>AHUPUAA</u>	<u>KALANA</u>	<u>MOKUPUNI</u>
KAIKO	ILI I KONA	KONA	HAWAI'I
MAHAIULA	"	KONA	HAWAI'I
MILOLII	"	KONA	HAWAI'I
OMOKAA	"	KONA	HAWAI'I
KIPAOEHOE	"	KONA	HAWAI'I
KUAMOO	"	KONA	HAWAI'I
KALUKALU	"	KONA	HAWAI'I
2 OKOA 1,2	"	KONA	HAWAI'I
LANIHAU 2	"	KONA	HAWAI'I
MAIHI	"	KONA	HAWAI'I
KAHULUI	"	KONA	HAWAI'I
KILOANUI	"	KONA	HAWAI'I
2 PAHOEHOE 1,2	"	KONA	HAWAI'I
ALIKA	"	KONA	HAWAI'I
KUKIO 1	"	KONA	HAWAI'I
KALAOA	"	KONA	HAWAI'I
LAULA	ILI _____ 2	KONA	HAWAI'I
KUKIO	"	KONA	HAWAI'I
HONUAAULA	"	KONA	HAWAI'I
1 OPIHIHALI 1	"	KONA	HAWAI'I
KALANAWAIWAAWA	"	KONA	HAWAI'I
WAIEA	"	KONA	HAWAI'I
WAIPUNAAULAIKI	"	KONA	HAWAI'I
ALAE	"	KONA	HAWAI'I
OPIHIHALI	"	KONA	HAWAI'I
PAPA	"	KONA	HAWAI'I
MAKAULA	"	KONA	HAWAI'I
PAPALELE	ILI NO HONUAINO NUI	KONA	HAWAI'I
KAOHE	"	KONA	HAWAI'I
PAHOEHOE	"	KONA	HAWAI'I
ALIKA	"	KONA	HAWAI'I

WR65 (cont.)

NO KE AUPUNI
(181/183)

<u>INOA O NA AINA</u>	<u>AHUPUAA</u>	<u>KALANA</u>	<u>MOKUPUNI</u>
KOHANAIKI	"	KONA	HAWAI'I
KUKIO	"	KONA	HAWAI'I
KOOAI	HOLUALOA 3	KONA	HAWAI'I
KAULEHUA	ILI NO HOLUALOA	KONA	HAWAI'I
WAIPUNAAULA	"	KONA	HAWAI'I
KAULANAMAUNA	"	KONA	HAWAI'I
HONALO	"	KONA	HAWAI'I
HONALO	"	KONA	HAWAI'I
KEOPUKA	"	KONA	HAWAI'I
KAPALAALAEA	"	KONA	HAWAI'I
KAUAHIA	ILI I KONA	KONA	HAWAI'I
KALAOA	"	KONA	HAWAI'I
PUUANAHULU	"	KONA	HAWAI'I
½ KAULANA	"	KONA	HAWAI'I
KEALAKEHA	"	KONA	HAWAI'I
KAPUAI	ILI NO KALAHIKI	KONA	HAWAI'I
KALAMA 2	"	KONA	HAWAI'I
LAALOA	"	KONA	HAWAI'I
PAHOEHOE	"	KONA	HAWAI'I
KIPU	ILI NO KEEI	KONA	HAWAI'I
OHIKI	"	KONA	HAWAI'I
KAMAKAOLOE	ILI NO PAHOEHOE	KONA	HAWAI'I
1 OPIHIHALI	"	KONA	HAWAI'I
KALAOA 3	"	KONA	HAWAI'I
HAUKALUA	"	KONA	HAWAI'I
PAHOEHOE	"	KONA	HAWAI'I
LANIHAU	"	KONA	HAWAI'I
OOMA	"	KONA	HAWAI'I
KUKUIOPAE	"	KONA	HAWAI'I
OKOE I KAPALILUA	"	KONA	HAWAI'I
KALAOA	"	KONA	HAWAI'I
KEOLU I KAILUA	"	KONA	HAWAI'I

WR65 (cont.)

NO KE AUPUNI
(183)

<u>NOA O NA AINA</u>	<u>AHUPUAA</u>	<u>KALANA</u>	<u>MOKUPUNI</u>
KALUKALU	"	KONA	HAWAI'I
MAKAKA	"	KAU	HAWAI'I
WAILAU	"	KAU	HAWAI'I
KAALAIKI	"	KAU	HAWAI'I
KIOLAKAA	"	KAU	HAWAI'I
PAPAIKOU	"	KAU	HAWAI'I
NUKAKAIA	"	KAU	HAWAI'I
MOHOAE	"	KAU	HAWAI'I
HIONAA	"	KAU	HAWAI'I
KAWALA	"	KAU	HAWAI'I
MANIENIE	"	KAU	HAWAI'I
MANUKA	"	KAU	HAWAI'I
MAKAKA	"	KAU	HAWAI'I
KAHEA	"	KAU	HAWAI'I
PAPAIKOU	"	KAU	HAWAI'I
KEAA	"	KAU	HAWAI'I
KAALAALA	"	KAU	HAWAI'I
POUPOUWELA	"	KAU	HAWAI'I
WAILOA	"	KAU	HAWAI'I
KAHAEA	"	KAU	HAWAI'I
KIAO	"	KAU	HAWAI'I
2 KEAA 1,2	"	KAU	HAWAI'I
HOKUKANO	"	KAU	HAWAI'I
PUULENA	"	KAU	HAWAI'I
ILIOKAOLOA	"	KAU	HAWAI'I
PUUOEHU	"	KAU	HAWAI'I
KOPU	"	KAU	HAWAI'I
KIIOKALANI	"	KAU	HAWAI'I
PAPOHAKU	"	KAU	HAWAI'I
AEMALO	"	KAU	HAWAI'I
MAKAKA 2	"	KAU	HAWAI'I
MOAULA	"	KAU	HAWAI'I
PAPOHAKU	"	KAU	HAWAI'I
KAUNAMANO	"	KAU	HAWAI'I
KAHIHIPALI	"	KAU	HAWAI'I
WAIOPUA	"	KAU	HAWAI'I
WAIMUKU	"	KAU	HAWAI'I
OKAU	"	KAU	HAWAI'I
½ PUUEO	"	PUNA	HAWAI'I
HONOLULU	"	PUNA	HAWAI'I
POPOKI	"	PUNA	HAWAI'I
WAAWAA	"	PUNA	HAWAI'I
KEALAKOMO me KILAUEA	"	PUNA	HAWAI'I
NANAWALE	"	PUNA	HAWAI'I
MAKENA	"	PUNA	HAWAI'I
KEAUOHANA	"	PUNA	HAWAI'I
KANANE 1	"	PUNA	HAWAI'I

WR65 (cont.)

NO KE AUPUNI
(185/187)

<u>NOA O NA AINA</u>	<u>AHUPUAA</u>	<u>KALANA</u>	<u>MOKUPUNI</u>
KANANE 2	"	PUNA	HAWAI'I
KI	"	PUNA	HAWAI'I
KAMAILI	"	PUNA	HAWAI'I
PANAUIKI	"	PUNA	HAWAI'I
KEONEPOKE	"	PUNA	HAWAI'I
WAAWAA	"	PUNA	HAWAI'I
KAUKULAU	"	PUNA	HAWAI'I
POUPOU 1	"	PUNA	HAWAI'I
POUPOU 2	"	PUNA	HAWAI'I
POHOIKI	"	PUNA	HAWAI'I
ONELAA	"	PUNA	HAWAI'I
KEOKEA	"	PUNA	HAWAI'I
KIKALA 1	"	PUNA	HAWAI'I
KIKALA 2	"	PUNA	HAWAI'I
MAKUU	"	PUNA	HAWAI'I
KAPAAHU	"	PUNA	HAWAI'I
KAPAAHU 2	"	PUNA	HAWAI'I
PULAMA	"	PUNA	HAWAI'I
POUPOU	"	PUNA	HAWAI'I
OPIHIKAO	"	PUNA	HAWAI'I
HALEPUAA	"	PUNA	HAWAI'I
KAOHE	"	PUNA	HAWAI'I
KAHOLONA	"	PUNA	HAWAI'I
KANEKIKI	"	PUNA	HAWAI'I
KAUWELEAU	"	PUNA	HAWAI'I
ILI KU I KUPAHUA	"	PUNA	HAWAI'I
KAIKAWOWO	ILI NO NANAWALE	PUNA	HAWAI'I
MALAMA	"	PUNA	HAWAI'I
PULAMA	"	PUNA	HAWAI'I
OAAHALANUI	"	PUNA	HAWAI'I
KANIAHIKU	ILI NO KAPOHO	PUNA	HAWAI'I
ONELOA	"	PUNA	HAWAI'I

WR65 (cont.)

NO KE AUPUNI
(187/189)

<u>NOA O NA AINA</u>	<u>AHUPUAA</u>	<u>KALANA</u>	<u>MOKUPUNI</u>
KUPAHUA	"	PUNA	HAWAI'I
MALAMA	"	PUNA	HAWAI'I
LONOKAEHO	ILI NO KUPAHUA	PUNA	HAWAI'I
HAPAIKI	ILI NO KUPAHUA	PUNA	HAWAI'I
KULAIMANO	"	HILO	HAWAI'I
KUHUA	"	HILO	HAWAI'I
WAILEA	"	HILO	HAWAI'I
LAUPAHOEHOE 1	"	HILO	HAWAI'I
LAUPAHOEHOE 2	"	HILO	HAWAI'I
HONOMU	"	HILO	HAWAI'I
KAHUA	"	HILO	HAWAI'I
MOKUHONUA	"	HILO	HAWAI'I
1 KAIWIKI O KAI	"	HILO	HAWAI'I
KAOHAOHA	"	HILO	HAWAI'I
KAHINALO	"	HILO	HAWAI'I
KAPUA 1	"	HILO	HAWAI'I
UMAUMA	"	HILO	HAWAI'I
MAKAOKU	ILI NO WAIAKEA	HILO	HAWAI'I
KAHALII	"	HILO	HAWAI'I
KIKALA	"	HILO	HAWAI'I
KAIWIKINUI	"	HILO	HAWAI'I
OOKALA	"	HILO	HAWAI'I
KAIWIKI	AKAHI	HILO	HAWAI'I
NAKAOHAOHA	"	HILO	HAWAI'I
PUOHAI	"	HILO	HAWAI'I
ULUKANU	"	HILO	HAWAI'I
KUAI A	"	HILO	HAWAI'I
HOKOA	"	HILO	HAWAI'I
KUMAOE	"	HILO	HAWAI'I
NAPAALOA	"	HILO	HAWAI'I
NAKAALAU 1, 2, 3, 4,	"	HILO	HAWAI'I

WR65 (cont.)

NO KE AUPUNI
(189/191)

<u>NOA O NA AINA</u>	<u>AHUPUAA</u>	<u>KALANA</u>	<u>MOKUPUNI</u>
NAKIHALANI	"	HILO	HAWAI'I
PAEOHI	"	HILO	HAWAI'I
OPEA	"	HILO	HAWAI'I
KAWAINUI	"	HILO	HAWAI'I
MAUMAU	"	HILO	HAWAI'I
KAMAEE	"	HILO	HAWAI'I
KAWAINUI	"	HILO	HAWAI'I
PAPAA	"	HILO	HAWAI'I
PUUOHUA	"	HILO	HAWAI'I
PUEOPAKU	"	HILO	HAWAI'I
NENE	"	HILO	HAWAI'I
KAMAEE	"	HILO	HAWAI'I
KAOMA	"	HILO	HAWAI'I
WAILUAKI	"	HILO	HAWAI'I
AAMANU	"	HILO	HAWAI'I
KIAPU	"	HILO	HAWAI'I
1/2 KAUIHULA	"	HILO	HAWAI'I
1/2 PAIHAALOA	"	HILO	HAWAI'I
KAIWILAHILAHU	"	HILO	HAWAI'I
KAMAEE	"	HILO	HAWAI'I
WAINAKU	"	HILO	HAWAI'I
KAHALII	"	HILO	HAWAI'I
KAMAEE	"	HILO	HAWAI'I
HAUKALUA 1	"	HILO	HAWAI'I
HAUKALUA 2	"	HILO	HAWAI'I
MAKEA	"	HILO	HAWAI'I
POHAKUKAHI	"	HILO	HAWAI'I
KAALAU	"	HILO	HAWAI'I
KILAU	"	HILO	HAWAI'I
MOKUHOONIKI	"	HILO	HAWAI'I
1/2 PUEOPAKU	"	HILO	HAWAI'I
PUUHUNE	"	HILO	HAWAI'I

WR65 (cont.)

NO KE AUPUNI (191)			
NOA O NA AINA	AHUPUAA	KALANA	MOKUPUNI
KAUPOKUEA	"	HILO	HAWAI'I
AWAPUHI	"	HILO	HAWAI'I
PUAARULOA	"	HILO	HAWAI'I
MALAMALAMAIKI	"	HILO	HAWAI'I
1/2 KAAMA	"	HILO	HAWAI'I
ALEAMA I	"	HILO	HAWAI'I
KULANAKII	"	HILO	HAWAI'I
PUALAEA	"	HILO	HAWAI'I
OPEA	"	HILO	HAWAI'I
PUUOHUA	"	HILO	HAWAI'I
NINOLE	"	HILO	HAWAI'I
PALEAU	"	HILO	HAWAI'I
ALAKAHI	"	HILO	HAWAI'I
1/2 KAIWIKI	"	HILO	HAWAI'I
KAIHUULA	"	HILO	HAWAI'I
KAPEHU	"	HILO	HAWAI'I
KAAKEPA	"	HILO	HAWAI'I
KAOHE	"	HAMAKUA	HAWAI'I
KAUMOALI	"	HAMAKUA	HAWAI'I
KAOHE	"	HAMAKUA	HAWAI'I
MANAWAIKOHAO	"	HAMAKUA	HAWAI'I
OUII	"	HAMAKUA	HAWAI'I
KAAWIKIWIKI	"	HAMAKUA	HAWAI'I
PAA 1	"	HAMAKUA	HAWAI'I
PAA 2	"	HAMAKUA	HAWAI'I
1 KAPAAHU	"	HAMAKUA	HAWAI'I
KUHIA	"	HAMAKUA	HAWAI'I
KAAHA	"	HAMAKUA	HAWAI'I
MANAWAIKOHAO	"	HAMAKUA	HAWAI'I
1 OPIHIHALI 1	"	HAMAKUA	HAWAI'I
1 OPIHIHALI 2	"	HAMAKUA	HAWAI'I

WR65 (cont.)

NO KE AUPUNI (191/192)			
NOA O NA AINA	AHUPUAA	KALANA	MOKUPUNI
1 OPIHIHALI 3	"	HAMAKUA	HAWAI'I
AAMANU	"	HAMAKUA	HAWAI'I
KEAHUA	"	HAMAKUA	HAWAI'I
KEKUALELE	"	HAMAKUA	HAWAI'I
1 KAHOLO 1	"	HAMAKUA	HAWAI'I
1 KAHOLO 2	"	HAMAKUA	HAWAI'I
MAONAKOMALIE	"	HAMAKUA	HAWAI'I
KEALAKAHA	"	HAMAKUA	HAWAI'I
HOEA	"	HAMAKUA	HAWAI'I
KAAWIKIWIKI	"	HAMAKUA	HAWAI'I
KEMAU	"	HAMAKUA	HAWAI'I
POHAKUKAHI	"	HAMAKUA	HAWAI'I
WAIKAALULU	"	HAMAKUA	HAWAI'I
1 KAAO 1	"	HAMAKUA	HAWAI'I
1 KAAO 2	"	HAMAKUA	HAWAI'I
KAMOKALA	"	HAMAKUA	HAWAI'I
1 HAUOLA 1	"	HAMAKUA	HAWAI'I
1 HAUOLA 2	"	HAMAKUA	HAWAI'I
1 HENEHENEULA 2	"	HAMAKUA	HAWAI'I
PUOPALA	"	HAMAKUA	HAWAI'I
KELA 3	"	HAMAKUA	HAWAI'I
1 KAPAAULA 1	"	HAMAKUA	HAWAI'I
1 KAPAAULA 2	"	HAMAKUA	HAWAI'I
1 KAPAAULA 3	"	HAMAKUA	HAWAI'I
1 KAPAAULA 4	"	HAMAKUA	HAWAI'I
1 KAPAAULA 5	"	HAMAKUA	HAWAI'I
PAAUULO	"	HAMAKUA	HAWAI'I
WAIKOLOA	"	HAMAKUA	HAWAI'I
PUEO	"	HAMAKUA	HAWAI'I
HAINA	"	HAMAKUA	HAWAI'I
KEKUALELE	"	HAMAKUA	HAWAI'I

WR65 (cont.)

NOA O NA AINA	NO KE AUPUNI (193/195)		MOKUPUNI
	AHUPUAA	KALANA	
LAUPAHOEHOE	"	HAMAKUA	HAWAI'I
NAKOOKA	"	HAMAKUA	HAWAI'I
APUAA	"	HAMAKUA	HAWAI'I
KAWAIKAPU	"	HAMAKUA	HAWAI'I
HONOPUE	"	HAMAKUA	HAWAI'I
AWINI	"	HAMAKUA	HAWAI'I
HAKOI	"	HAMAKUA	HAWAI'I
AHUALOA	"	HAMAKUA	HAWAI'I
2 KAAO 1,2	"	HAMAKUA	HAWAI'I
MAONAMALIE	"	HAMAKUA	HAWAI'I
WAIALEALE	"	HAMAKUA	HAWAI'I
KAMAUI	"	HAMAKUA	HAWAI'I
KALUA	"	HAMAKUA	HAWAI'I
1/2 MALAUAAE	"	HAMAKUA	HAWAI'I
AU	"	HAMAKUA	HAWAI'I
KAAUHUU	"	HAMAKUA	HAWAI'I
PUULENA	"	HAMAKUA	HAWAI'I
1/2 KAAPAHU	"	HAMAKUA	HAWAI'I
WAIKAALULU	"	HAMAKUA	HAWAI'I
MANAWAIALEE	"	HAMAKUA	HAWAI'I
KUILEI	"	HAMAKUA	HAWAI'I
PAPAAUI	"	HAMAKUA	HAWAI'I
PUANUI	"	HAMAKUA	HAWAI'I
1/2 KAUMANOMANO	"	HAMAKUA	HAWAI'I
1/2 LAULA	"	HAMAKUA	HAWAI'I
MANANIA	"	HAMAKUA	HAWAI'I
HONOIPO	"	KOHALA	HAWAI'I
1 HIHUI 1	"	KOHALA	HAWAI'I
1 HIHUI 2	"	KOHALA	HAWAI'I
OPIHIPAU	"	KOHALA	HAWAI'I
POO	"	KOHALA	HAWAI'I

WR65 (cont.)

NOA O NA AINA	NO KE AUPUNI (195/197)		MOKUPUNI
	AHUPUAA	KALANA	
KAOMA	"	KOHALA	HAWAI'I
MAKEANEHU	"	KOHALA	HAWAI'I
KAIHOOA	"	KOHALA	HAWAI'I
PUAIKI	"	KOHALA	HAWAI'I
LAPAKAHI	"	KOHALA	HAWAI'I
1 PUAKA 1	"	KOHALA	HAWAI'I
1 PUAKA 2	"	KOHALA	HAWAI'I
MAHUKONA	Awa a me kahi honua i kai	KOHALA	HAWAI'I
1 PAUHI 1	"	KOHALA	HAWAI'I
1 PAUHI 2	"	KOHALA	HAWAI'I
LANIKEPUE	"	KOHALA	HAWAI'I
KOKOIKI	"	KOHALA	HAWAI'I
MAHUKONA	"	KOHALA	HAWAI'I
PAOO	"	KOHALA	HAWAI'I
MAKANIKAHIO	"	KOHALA	HAWAI'I
UPOLU	"	KOHALA	HAWAI'I
HONOIHU	"	KOHALA	HAWAI'I
HALAULA	"	KOHALA	HAWAI'I
KAIHOOA 2	"	KOHALA	HAWAI'I
OKAU 1	"	KOHALA	HAWAI'I
OKAU 2	"	KOHALA	HAWAI'I
OKAU 3	"	KOHALA	HAWAI'I
OKAU 4	"	KOHALA	HAWAI'I
OKAU 5	"	KOHALA	HAWAI'I
OKAU 6	"	KOHALA	HAWAI'I
OKAU 7	"	KOHALA	HAWAI'I
PAOPAO	"	KOHALA	HAWAI'I
LAMALOOLA	"	KOHALA	HAWAI'I
HUALUA	"	KOHALA	HAWAI'I
KEKIKIKI	ILI I APUAKENAU	KOHALA	HAWAI'I
2 ILI AINA I	NIULII	KOHALA	HAWAI'I

WR65 (cont.)

NO KE AUPUNI
(197/199)

<u>NOA O NA AINA</u>	<u>AHUPUAA</u>	<u>KALANA</u>	<u>MOKUPUNI</u>
½ HANAWEO	ILI I NIULII	KOHALA	HAWAI'I
LANIKELE	ILI NO LANIKELE I HONOMAKAU		HAWAI'I
MAKEANEHU	"	KOHALA	HAWAI'I
PUEHUEHU	"	KOHALA	HAWAI'I
KAPUA	"	KOHALA	HAWAI'I
KAHEI	"	KOHALA	HAWAI'I
KAHA	ILI I NIULII	KOHALA	HAWAI'I
AWILI	"	KOHALA	HAWAI'I
HAENA	"	KOHALA	HAWAI'I
LAAUMAMANUI	"	KOHALA	HAWAI'I
HONOMAKAU	"	KOHALA	HAWAI'I
AWALUA	"	KOHALA	HAWAI'I
HALAWA	"	KOHALA	HAWAI'I
PUUEHA	I MOOKINI "	KOHALA	HAWAI'I
LAHUIKI	ILI NO KUKUIPAHU	KOHALA	HAWAI'I
1 KALALA	"	KOHALA	HAWAI'I
½ PUEKE	"	KOHALA	HAWAI'I
½ UPOLU	"	KOHALA	HAWAI'I
KAHEI e pili ana me KAAUHUU	"	KOHALA	HAWAI'I
HUKIAA WAENA	"	KOHALA	HAWAI'I
PAWAA	"	KOHALA	HAWAI'I
KEHEI	"	KOHALA	HAWAI'I
½ PAOPAO	"	KOHALA	HAWAI'I
AWINI	"	KOHALA	HAWAI'I
AINAKEA 1	"	KOHALA	HAWAI'I
MAULILI	"	KOHALA	HAWAI'I
LAAUMAMAIKI	"	KOHALA	HAWAI'I
HIHIU	"	KOHALA	HAWAI'I
MAKEANEHU	"	KOHALA	HAWAI'I
KALALA	"	KOHALA	HAWAI'I
PAHIHA	ILI NO AINAKEA	KOHALA	HAWAI'I
KUKUIWALUHIA	"	KOHALA	HAWAI'I

WR65 (cont.)

NO KE AUPUNI
(199/201)

<u>NOA O NA AINA</u>	<u>AHUPUAA</u>	<u>KALANA</u>	<u>MOKUPUNI</u>
AHUAKEHAU	"	KOHALA	HAWAI'I
HOPEOLAA	ILI NO HALAWA	KOHALA	HAWAI'I
PUALOALO	ILI NO HALAWA	KOHALA	HAWAI'I
WAAWA	ILI NO WAIMEA	KOHALA	HAWAI'I
POHAKULUA	"	KOHALA	HAWAI'I
MAKEANEHU	"	KOHALA	HAWAI'I
KIPI	"	KOHALA	HAWAI'I
KOKIO	"	KOHALA	HAWAI'I
KEHENA	"	KOHALA	HAWAI'I
POHAKUPU	"	KOHALA	HAWAI'I
MAHUKONA PULEHU	"	KOHALA	HAWAI'I
PAOO	"	KOHALA	HAWAI'I
AINAKEA 2	"	KOHALA	HAWAI'I
½ PUUNAUICI	"	LAHAINA	MAUI
½ UHAO	"	LAHAINA	MAUI
½ PUAHOOALI	"	LAHAINA	MAUI
½ KAPUNAKEA	"	LAHAINA	MAUI
½ PUUTIKI	"	LAHAINA	MAUI
½ KOOKA	"	LAHAINA	MAUI
MOANUI	"	LAHAINA	MAUI
½ KUHOLILEA	"	LAHAINA	MAUI
WAIOKOA	"	LAHAINA	MAUI
KAMEHAME 1	"	KULA	MAUI
OMAOPIO 6	"	KULA	MAUI
OMAOPIO 7	"	KULA	MAUI
OMAOPIO 8	"	KULA	MAUI
OMAOPIO 9	"	KULA	MAUI
OMAOPIO 10	"	KULA	MAUI
1 AAAPUEO 3	"	KULA	MAUI
KAHILO 1	"	KULA	MAUI
KAHILO 2	"	KULA	MAUI

WR65 (cont.)

NO KE AUPUNI

(201/203)

<u>MOA O NA AINA</u>	<u>AHUPUAA</u>	<u>KALANA</u>	<u>MOKUPUNI</u>
KEAHUA	"	KULA	MAUI
1 KUKUIAEO 3	"	KULA	MAUI
KAUAAU 1	"	KULA	MAUI
KAUAAU 2	"	KULA	MAUI
AHUPAU	"	KULA	MAUI
HOKUULA	"	KULA	MAUI
KOALI	"	KULA	MAUI
AAPUEO	"	KULA	MAUI
OMAOPIO	"	KULA	MAUI
KAMAOLE	"	KULA	MAUI
PULEHU	"	KULA	MAUI
NAALAE	"	KULA	MAUI
MOOIKI	"	HONUULA	MAUI
PAEAHU	"	HONUULA	MAUI
WAIPAO	"	HONUULA	MAUI
MOOPILO 1	"	HONUULA	MAUI
MALUAKA	"	HONUULA	MAUI
PAPAA	"	HONUULA	MAUI
MALUAKA 1	"	HONUULA	MAUI
KAULUOHANA	"	HONUULA	MAUI
KALIII 1	"	HONUULA	MAUI
KALIII 2	"	HONUULA	MAUI
1/2 KAE0	"	HONUULA	MAUI
KANAIO	"	HONUULA	MAUI
KALOI	"	HONUULA	MAUI
ONAU	"	HONUULA	MAUI
PAPAKA	"	HONUULA	MAUI
MOOLOA	"	HONUULA	MAUI
MOOMUKU	"	HONUULA	MAUI
KUALAPA	"	HONUULA	MAUI
KAHIKINUI	KA MOKU	KAHIKINUI	MAUI
KAUPO 66	AHUPUAA KA MOKU KAUPU		MAUI

WR65 (cont.)

NO KE AUPUNI

(203/205)

<u>INOA O NA AINA</u>	<u>AHUPUAA</u>	<u>KALANA</u>	<u>MOKUPUNI</u>
KAUPO	NA KU O KAUPU I KOE I KEIA MAHELE ANA		MAUI
KOANANAI	"	KIPAHULU	MAUI
KUKUIILAIKI	"	KIPAHULU	MAUI
HALEMANO	"	KIPAHULU	MAUI
MAKANONI	"	KIPAHULU	MAUI
KAKALAHALE	"	KIPAHULU	MAUI
KAPUAIKINI	"	KIPAHULU	MAUI
NAIILILIPOKO 1	"	KIPAHULU	MAUI
NAIILILIPOKO 2	"	KIPAHULU	MAUI
POPOLOA	"	KIPAHULU	MAUI
MAULILI	"	KIPAHULU	MAUI
KIKOO	"	KIPAHULU	MAUI
KAUMAKANI	"	KIPAHULU	MAUI
ALAE	"	KIPAHULU	MAUI
MAKAALAE	"	KIPAHULU	MAUI
WAILAMO	AOAO MA KAUPU	KIPAHULU	MAUI
KAUMAKANI	"	KIPAHULU	MAUI
KAPUAIKINI	"	KIPAHULU	MAUI
KALENA	"	KIPAHULU	MAUI
POPOLOA	"	KIPAHULU	MAUI
KAHOEHO	"	KIPAHULU	MAUI
POPONUI	"	KIPAHULU	MAUI
KALENAIKI	"	KIPAHULU	MAUI
WAILAMO	"	KIPAHULU	MAUI
KAKALAHALE	"	KIPAHULU	MAUI
NAWANANALUA	"	HANA	MAUI
1/2 HONMAELE	"	HANA	MAUI
WAKIU	"	HANA	MAUI
1 KEAA 1	"	KOOLAU	MAUI
KOOLAU KA MOKU	"	KOOLAU	MAUI
HANAWANA	"	HAMAKUALOA	MAUI

WR65 (cont.)

<u>NO KE AUPUNI</u> (205/207)			
<u>NOA O NA AINA</u>	<u>AHUPUAA</u>	<u>KALANA</u>	<u>MOKUPUNI</u>
HOLAWA	"	HAMAKUALOA	MAUI
HONOKALA	"	HAMAKUALOA	MAUI
POUPOUWELA	"	HAMAKUALOA	MAUI
HONOPOU	"	HAMAKUALOA	MAUI
PEAHI	HAULE I KE KOPE ANA	A.P. KALAMA	MAUI
HANEHOI	"	HAMAKUALOA	MAUI
HUALUA	"	HAMAKUALOA	MAUI
KUIAHA	"	HAMAKUALOA	MAUI
PAPAAEA	"	HAMAKUALOA	MAUI
2 PUOLUA 1,2	"	HAMAKUALOA	MAUI
HANEHOI 2	"	HAMAKUALOA	MAUI
PEAHI	"	HAMAKUALOA	MAUI
UAOA	"	HAMAKUALOA	MAUI
½ HIKINA	KA MOKU O HAMAKUA POKO		MAUI
PANIAU	"	HAMAKUAPOKO	MAUI
MAKAWAO	KA MOKU	MAKAWAO	MAUI
KEALAKEKUA	I	MAKAWAO	MAUI
KAPALAI	"	MAKAWAO	MAUI
KEALIA	I KAMAALAEA PUALI KOM.		MAUI
1 KAHANA 1	"	KAANAPALI	MAUI
KAHANA 2	"	KAANAPALI	MAUI
3 MAHINAHINA 1,2,3,	"	KAANAPALI	MAUI
KALUAAHA	"		MOLOKAI
1 ONOULI 1	"		MOLOKAI
KAWAIKAPU	"		MOLOKAI
KAWALUNA	"		MOLOKAI
MAHULILI	"		MOLOKAI
POHAKULOA	"		MOLOKAI
1 ONOULI 2	"		MOLOKAI
KALUAKOI 2	"		MOLOKAI
PUKOONUI	"		MOLOKAI
KAWALUNA	"		MOLOKAI

WR65 (cont.)

<u>NO KE AUPUNI</u> (207)			
<u>NOA O NA AINA</u>	<u>AHUPUAA</u>	<u>KALANA</u>	<u>MOKUPUNI</u>
MAULILI	"		MOLOKAI
POHAKULOA	"		MOLOKAI
KALUAKOI 1	"		MOLOKAI
KALAWAO	"		MOLOKAI
HOOLEHUA	"		MOLOKAI
½ KAMANONI	"		MOLOKAI
KAULEI	"		MOLOKAI
½ KAHANANUI	"		MOLOKAI
KEANAOKUINO	"		MOLOKAI
KAAMOLA 1	"		MOLOKAI
KAAMOLA 2	"		MOLOKAI
KAAMOLA 3	"		MOLOKAI
KAAMOLA 4	"		MOLOKAI
PONIUHUA	"		MOLOKAI
MANAWAINUI	"		MOLOKAI
KIPU	"		MOLOKAI
MOANUI	"		MOLOKAI
MAKAKUPAIANUI	"		MOLOKAI
OHIA 1 HIKINA	"		MOLOKAI
½ KAHANUI	"		MOLOKAI
½ AHAINO	"		MOLOKAI
½ LUPEHU	"		MOLOKAI
½ PONIUHUA	"		MOLOKAI
½ KAAMOLA	"		MOLOKAI
½ KAMILOLOA	"		MOLOKAI
KAINALU	"		MOLOKAI
½ KAAMOLA	"		MOLOKAI
1 PUKOO 2	"		MOLOKAI
MANIANIA	ILI NO WAIKOLU		MOLOKAI
PAWILI	"		LANAI
KEALIA 1	"		LANAI
KEALIA 2	"		LANAI

WR65 (cont.)

NO KE AUPUNI
(209)

<u>NOA O NA AINA</u>	<u>AHUPUAA</u>	<u>KALANA</u>	<u>MOKUPUNI</u>
KAUMALOPAU 1	"		LANAI
KAUMALOPAU 2	"		LANAI
KAUMOLU	"		LANAI
KO KA PAPU MAU AINA			
PUUNUI 1	ILI NO HONOLULU	KONA	OAHU
PUUNUI 2	ILI NO HONOLULU	KONA	OAHU
PUUNUI 3	ILI NO HONOLULU	KONA	OAHU
ALEWA	ILI NO HONOLULU	KONA	OAHU
KAHAPAAKAI	ILI NO HONOLULU	KONA	OAHU
KUWILI	ILI NO HONOLULU	KONA	OAHU
KAPIWAI 1	ILI NO HONOLULU	KONA	OAHU
KAPIWAI 2	ILI NO HONOLULU	KONA	OAHU
PALIKEA	ILI NO HONOLULU	KONA	OAHU
PUIWA	ILI NO HONOLULU	KONA	OAHU
KAWANANAKOA	ILI NO KAOLU	KONA	OAHU
KALOKOHONU	ILI NO HONOLULU	KONA	OAHU
KUNAWAI	ILI NO HONOLULU	KONA	OAHU
AALA	ILI NO HONOLULU	KONA	OAHU
PALEPO	ILI NO HONOLULU	KONA	OAHU
NIUPAIPAI	ILI NO HONOLULU	KONA	OAHU
APOWALE	ILI NO HONOLULU	KONA	OAHU
KUAIAULA	ILI NO HONOLULU	KONA	OAHU
KAALAO	ILI NO HONOLULU	KONA	OAHU
KUHIMANA	ILI NO HONOLULU	KONA	OAHU
KAIKAHI	ILI NO HONOLULU	KONA	OAHU
OLOKU	ILI NO HONOLULU	KONA	OAHU
HAUHAUKOI	ILI NO HONOLULU	KONA	OAHU
KAUKAHOKU	ILI NO HONOLULU	KONA	OAHU
KALUI (KAHUI)	ILI NO HONOLULU	KONA	OAHU
PAUHULUHULU	ILI NO HONOLULU	KONA	OAHU
PUNANAAKAA	ILI NO HONOLULU	KONA	OAHU

WR65 (cont.)

NO KE AUPUNI
(209/211)

<u>NOA O NA AINA</u>	<u>AHUPUAA</u>	<u>KALANA</u>	<u>MOKUPUNI</u>
KAILIILI KAALALALO	ILI NO HONOLULU	KONA	OAHU
LAUKALO	ILI NO HONOLULU	KONA	OAHU
OLOMANA	ILI NO HONOLULU	KONA	OAHU
KUAIPAAKO	ILI NO HONOLULU	KONA	OAHU
KALIA	ILI NO WAIKIKI	KONA	OAHU
KAHAOLE	ILI NO WAIKIKI	KONA	OAHU
KALUAHOLE	ILI NO WAIKIKI	KONA	OAHU
KALUAALAEA	ILI NO WAIKIKI	KONA	OAHU
KAPUNA	ILI NO WAIKIKI	KONA	OAHU
NUKUNUKUAULA	ILI NO WAIKIKI	KONA	OAHU
KAAUMOA	ILI NO WAIKIKI	KONA	OAHU
AUAUKAI	ILI NO WAIKIKI	KONA	OAHU
WAIHINALO	ILI NO WAIKIKI	KONA	OAHU
MOKAHI	ILI NO WAIKIKI	KONA	OAHU
PAWAA O MAALO	ILI NO WAIKIKI	KONA	OAHU
KALUAOLOHE	ILI NO WAIKIKI	KONA	OAHU
WAIAKA	ILI NO WAIKIKI	KONA	OAHU
KUMUULU	ILI NO WAIKIKI	KONA	OAHU
KAHOIWAI 1	ILI NO WAIKIKI	KONA	OAHU
WAIHI	ILI NO WAIKIKI	KONA	OAHU
PAHUPAHUAPUAA	ILI NO WAIKIKI	KONA	OAHU
KEONEPANEE	ILI NO KALIHI	KONA	OAHU
KALUAUUAU		KONA	OAHU
PAU NA AINA O KA PAPU			
KAHOOKANE.	ILI NO HONOLULU	KONA	OAHU
	KA WAI A ME KE KA HUA		
	E HANA AI KE HIKI I KA		
	MANAWA E HANA AI KA Ha-		
	wai-i NO HONOLULU.		
½ KAALAWAI	KULA WALE NO	KONA	OAHU
½ PAWAA	ILI NO WAIKIKI	KONA	OAHU

WR65 (cont.)

NO KE AUPUNI
(213/215)

<u>NOA O NA AINA</u>	<u>AHUPUAA</u>	<u>KALANA</u>	<u>MOKUPUNI</u>
KUKULUAEO	ILI NO WAIKIKI	KONA	OAHU
½ KIONA	ILI NO KALIHI	KONA	OAHU
½ KUPEHAU	ILI NO KALIHI	KONA	OAHU
½ KALAEPA	ILI NO KALIHI	KONA	OAHU
KALUAOPALENA	ILI NO KALIHI	KONA	OAHU
KEAUHOU	ILI NO KALIHI	KONA	OAHU
MAHANI	ILI NO KALIHI	KONA	OAHU
1 NIAU 1	ILI NO KALIHI	KONA	OAHU
1 NIAU 2	ILI NO KALIHI	KONA	OAHU
½ POHAKALAWAIA	ILI NO KALIHI	KONA	OAHU
½ PUUIKI	ILI NO KAPALAMA	KONA	OAHU
MAONA	ILI NO AIEA	EWA	OAHU
½ KAPAELI	ILI NO KALAUAO	EWA	OAHU
½ KAUPOOLEI	ILI NO KALAUAO	EWA	OAHU
½ KAUAOPAI	ILI NO KALAUAO	EWA	OAHU
½ KAHAWAI	ILI NO KALAUAO	EWA	OAHU
½ KAPUAI	ILI NO KALAUAO	EWA	OAHU
½ KAHIRIEA	ILI NO WAIMALU	EWA	OAHU
½ ANANA	ILI NO WAIMALU	EWA	OAHU
½ POHAKUPU	ILI NO WAIMALU	EWA	OAHU
KAHALAA	ILI NO WAIMALU	EWA	OAHU
KAUMIUMI	ILI NO WAIMALU	EWA	OAHU
NALIMA	ILI NO WAI'AU	EWA	OAHU
NAONO	ILI NO WAI'AU	EWA	OAHU
½ KALUAOLOHE	ILI NO WAI'AU	EWA	OAHU
KAIHUOKAPUAA	ILI NO WAIMANO	EWA	OAHU
KAHAPAPAI	ILI NO WAIMANO	EWA	OAHU
PUALEHUA	ILI NO WAIMANO	EWA	OAHU
PUUKAPU 1	ILI NO WAIMANO	EWA	OAHU
PUUKAPU 2	ILI NO WAIMANO	EWA	OAHU
½ LOPA	ILI NO WAIMANO	EWA	OAHU
KALANIHAE	ILI NO MANANA	EWA	OAHU
MANANA UKA	O MANANA'IKI	EWA	OAHU

2-69

WR65 (cont.)

NO KE AUPUNI
(215/217)

<u>NOA O NA AINA</u>	<u>AHUPUAA</u>	<u>KALANA</u>	<u>MOKUPUNI</u>
OKAI	ILI NO MANANA'IKI	EWA	OAHU
LIHUE	ILI NO MANANA'IKI	EWA	OAHU
½ HONOPUE	ILI NO WAIPIO	EWA	OAHU
½ ULU	ILI NO WAIPIO	EWA	OAHU
KAHAUPUPUU	ILI NO WAIKELE	EWA	OAHU
WAI'PAHU	ILI NO WAIKELE	EWA	OAHU
ULUMALU	ILI NO WAIKELE	EWA	OAHU
ULEMOKU	ILI NO WAIKELE	EWA	OAHU
KAOHAI	ILI NO WAIKELE	EWA	OAHU
ONIO	ILI NO WAIKELE	EWA	OAHU
KAHAKUOHIA	ILI NO WAIKELE	EWA	OAHU
WAIKELE	ILI NO WAIKELE	EWA	OAHU
PAIWA	ILI NO WAIKELE	EWA	OAHU
½ AUIOLE	ILI NO WAIKELE	EWA	OAHU
½ KANUPOO	ILI NO WAIKELE	EWA	OAHU
½ KAHANAHAIKI	AHUPUAA	WAIANA'E	OAHU
½ KEAWAULA	"	WAIANA'E	OAHU
½ KALENA	ILI NO WAIANA'E	WAIANA'E	OAHU
MAKUA	AHUPUAA	WAIANA'E	OAHU
KAMANANUI	AHUPUAA	WAIALUA	OAHU
MOKULEIA 1	"	WAIALUA	OAHU
MOKULEIA 2	"	WAIALUA	OAHU
KAWAIHAPAI	"	WAIALUA	OAHU
KEALIA	"	WAIALUA	OAHU
KAENA	"	WAIALUA	OAHU
½ WAINEA	"	KOOLAULO'A	OAHU
NAOPANA 1	"	KOOLAULO'A	OAHU
NAOPANA 2	"	KOOLAULO'A	OAHU
OIO 1	"	KOOLAULO'A	OAHU
OIO 2	"	KOOLAULO'A	OAHU
HANAKAOE	"	KOOLAULO'A	OAHU
ULUPEHUPEHU	"	KOOLAULO'A	OAHU

WR65 (cont.)

NO KE AUPUNI
(217/219)

<u>NOA O NA AINA</u>	<u>AHUPUAA</u>	<u>KALANA</u>	<u>MOKUPUNI</u>
½ KEANA	"	KOOLAULO	OAHU
KAIPAPAU I	"	KOOLAULO	OAHU
KAPANO	"	KOOLAULO	OAHU
PUHEEMIKI	"	KOOLAULO	OAHU
WAIONO	"	KOOLAULO	OAHU
KAIPAPAU	"	KOOLAULO	OAHU
MAKAUA	"	KOOLAULO	OAHU
KAAAWA	"	KOOLAULO	OAHU
½ KANOHOANAHOPU	ILI NO HAKIPUU	KOOLAUPOKO	OAHU
PAHALONA	ILI NO HAKIPUU	KOOLAUPOKO	OAHU
PUUKALUHA	ILI NO HAKIPUU	KOOLAUPOKO	OAHU
LUPEHU	ILI NO HAKIPUU	KOOLAUPOKO	OAHU
WAIKANE	"	KOOLAUPOKO	OAHU
KAHALAA	ILI NO WAIKANE	KOOLAUPOKO	OAHU
KAIKI	ILI NO WAIKANE	KOOLAUPOKO	OAHU
MAKANILUA	ILI NO WAIHOHOLE	KOOLAUPOKO	OAHU
APUA	ILI NO WAIHOHOLE	KOOLAUPOKO	OAHU
KUAIOMUKU	ILI NO WAIHOHOLE	KOOLAUPOKO	OAHU
KAANUI	ILI NO WAIHOHOLE	KOOLAUPOKO	OAHU
KUPAULAU	ILI NO WAIHOHOLE	KOOLAUPOKO	OAHU
APEA	ILI NO WAIHOHOLE	KOOLAUPOKO	OAHU
KUMUPALI	ILI NO WAIHOHOLE	KOOLAUPOKO	OAHU
II	ILI NO WAIHOHOLE	KOOLAUPOKO	OAHU
POAHAMAI	ILI NO WAIHOHOLE	KOOLAUPOKO	OAHU
KAPUAKEA	ILI NO WAIHOHOLE	KOOLAUPOKO	OAHU
UAU	ILI NO WAIHOHOLE	KOOLAUPOKO	OAHU
KAALAEA	AHUPUAA	KOOLAUPOKO	OAHU
KAIEIE	ILI NO KAALAEA	KOOLAUPOKO	OAHU
½ PUAKUKUI	ILI NO KAALAEA	KOOLAUPOKO	OAHU
WAIHEE	AHUPUAA	KOOLAUPOKO	OAHU
KAPUNA	ILI NO WAIHEE	KOOLAUPOKO	OAHU
KIHEWA	ILI NO WAIHEE	KOOLAUPOKO	OAHU

WR65 (cont.)

NO KE AUPUNI
(219/221)

<u>NOA O NA AINA</u>	<u>AHUPUAA</u>	<u>KALANA</u>	<u>MOKUPUNI</u>
½ KAULULO	ILI NO WAIHEE	KOOLAUPOKO	OAHU
KANIAIA	ILI NO WAIHEE	KOOLAUPOKO	OAHU
KEAHUPUOLO	ILI NO WAIHEE	KOOLAUPOKO	OAHU
MAUINONI	ILI NO WAIHEE	KOOLAUPOKO	OAHU
AINONI	ILI NO WAIHEE	KOOLAUPOKO	OAHU
LUUKOI	ILI NO KAHALUU	KOOLAUPOKO	OAHU
IOLEKAA	ILI NO HEEIA	KOOLAUPOKO	OAHU
½ WAIILELE	ILI NO KANEOHE	KOOLAUPOKO	OAHU
½ PUNALUU	ILI NO KANEOHE	KOOLAUPOKO	OAHU
½ PUAWAHAKEA	ILI NO KANEOHE	KOOLAUPOKO	OAHU
½ PAKUI	ILI NO KANEOHE	KOOLAUPOKO	OAHU
½ KAHOOLEINAIWA	ILI NO KANEOHE	KOOLAUPOKO	OAHU
WAIHAKA	ILI NO KANEOHE	KOOLAUPOKO	OAHU
LILIPUNA	ILI NO KANEOHE	KOOLAUPOKO	OAHU
½ KAHUAULI	ILI NO KANEOHE	KOOLAUPOKO	OAHU
WAIKAPOKI	ILI NO KANEOHE	KOOLAUPOKO	OAHU
PUIWA	ILI NO KANEOHE	KOOLAUPOKO	OAHU
POHAKEA	ILI NO KAILUA	KOOLAUPOKO	OAHU
WAIKAAKI	ILI NO KAILUA	KOOLAUPOKO	OAHU
KAMAKALEPO	ILI NO KAILUA	KOOLAUPOKO	OAHU
KAHANA KI	ILI NO KAILUA	KOOLAUPOKO	OAHU
POOKEA	ILI NO KAILUA	KOOLAUPOKO	OAHU
MALAMALAMA	ILI NO KAILUA	KOOLAUPOKO	OAHU
KUAILIMA	ILI NO KAILUA	KOOLAUPOKO	OAHU
KAIOA	ILI NO KAILUA	KOOLAUPOKO	OAHU
WAIMAAUUAU	ILI NO KAILUA	KOOLAUPOKO	OAHU
MAUNAWILI	ILI NO KAILUA	KOOLAUPOKO	OAHU
PUANEA	ILI NO KAILUA	KOOLAUPOKO	OAHU
½ KALUATHAKOKO	ILI NO KAILUA	KOOLAUPOKO	OAHU
POHAKEA	ILI NO KAILUA	KOOLAUPOKO	OAHU
½ MANULELE	ILI NO KAILUA	KOOLAUPOKO	OAHU

WR65 (cont.)

NO KE AUPUNI
(221/223)

NOA O NA AINA	AHUPUAA	KALANA	MOKUPUNI
KALANEHO	ILI NO KAILUA	KOOLAUPOKO	OAHU
KAPAEI	ILI NO KAILUA	KOOLAUPOKO	OAHU
WAIIOPIHI	ILI NO KAILUA	KOOLAUPOKO	OAHU
1/2 KAOHIA	ILI NO KAILUA	KOOLAUPOKO	OAHU
1/2 KAELEULI	ILI NO KAILUA	KOOLAUPOKO	OAHU
1/2 KAAIHEE	ILI NO KAILUA	KOOLAUPOKO	OAHU
1/2 KAULU	ILI NO KAILUA	KOOLAUPOKO	OAHU
1/2 KAIMI	ILI NO KAILUA	KOOLAUPOKO	OAHU
1/2 KAPALAI	ILI NO KAILUA	KOOLAUPOKO	OAHU
1/2 KAAHOKAMA	ILI NO KAILUA	KOOLAUPOKO	OAHU
1/2 KUKANONO	ILI NO KAILUA	KOOLAUPOKO	OAHU
1/2 KAPALOA	ILI NO KAILUA	KOOLAUPOKO	OAHU
1/2 KULAPUAA	ILI NO KAILUA	KOOLAUPOKO	OAHU
1/2 KALELEKAMANI	ILI NO KAILUA	KOOLAUPOKO	OAHU
1/2 PAALAE	ILI NO KAILUA	KOOLAUPOKO	OAHU
1/2 MANU	ILI NO KAILUA	KOOLAUPOKO	OAHU
1/2 KIONAOLE	ILI NO KAILUA	KOOLAUPOKO	OAHU
1/2 POHAKUPU	ILI NO KAILUA	KOOLAUPOKO	OAHU
1/2 KAPIA	ILI NO KAILUA	KOOLAUPOKO	OAHU
1/2 KALAEPA	ILI NO KANEHE	KOOLAUPOKO	OAHU
1/2 PUUKAEO	ILI NO KAILUA	KOOLAUPOKO	OAHU
KAHOA	ILI NO KAILUA	KOOLAUPOKO	OAHU
1/2 POHAKUPU 2	ILI NO KAILUA	KOOLAUPOKO	OAHU
1/2 KAPAKAPA	ILI NO KAILUA	KOOLAUPOKO	OAHU
MAKAWELI	AHUPUAA	KONA	KAUAI
WAIHAWA	"	KONA	KAUAI
KOLOA HIK.	"	KONA	KAUAI
KOLOA HEM.	"	KONA	KAUAI
1/2 KOULA	ILI NO HANAPEPE	KONA	KAUAI
1/2 PUNALAU	ILI NO HANAPEPE	KONA	KAUAI
PUUKAPELE	ILI NO WAIMEA	KONA	KAUAI

WR65 (cont.)

NO KE AUPUNI
(224/225)

NOA O NA AINA	AHUPUAA	KALANA	MOKUPUNI
WELIWELI	"	KONA	KAUAI
HULEIA AINA BIPI	"	PUNA	KAUAI
ULAKAI	ILI NO KAPAA	PUNA	KAUAI
PAIKAHAWAI	ILI NO KAPAA	PUNA	KAUAI
1/2 OLOHENA	AHUPUAA	PUNA	KAUAI
HOMAIKAWAA	"	KOOLAU	KAUAI
HALAULA	"	KOOLAU	KAUAI
PAPAA	"	KOOLAU	KAUAI
ALLOMANU	"	KOOLAU	KAUAI
MOLOAA	"	KOOLAU	KAUAI
PILAU KO ASA KAE0	"	KOOLAU	KAUAI
WAIKALUA HIKI	"	KOOLAU	KAUAI
KILAUAA	"	KOOLAU	KAUAI
WAIOLI	"	HALELEA	KAUAI
WAIPI 1	"	HALELEA	KAUAI
WAIPI 2	"	HALELEA	KAUAI
KALALAU	"	NAPALI	KAUAI
POHAKUO	"	NAPALI	KAUAI
HONOPU	"	NAPALI	KAUAI
HANAKAPIAI	"	NAPALI	KAUAI
1/2 HONOKOA	"	NAPALI	KAUAI
KIKIAOLA	ILI NO WAIMEA	KONA	KAUAI
NIHAU	KA MOKUPUNI		NIHAU
POHUELOA	AHUPUAA		NIHAU
KALUAHONU	"		NIHAU
PAUAHULA	"		NIHAU

WR65 (cont.)

THE SECOND PALAPALA OR INSTRUMENT OR DEED OF THE GREAT MAHELE OF JANUARY 27, 1848 AND OVERVIEW IN PERTINENT PARTS WITH TRANSLATION, KANAKA TO ENGLISH

(E IKE OU KOU) I RECOGNIZE "YOU"

(NA ALII) THIS CHIEF

(NA KANAKA) BY THIS RACE OF PEOPLE

(O KO'U AUPUNI) A PERSON NAME AU PUNI

(O WAU O KAMEHAMEHA III) I HUMBLY AGREE I KAMEHAMEHA III

(KA LOKO MAI KAI) THIS GOODWILL AGREEMENT

(HOOKAAWALE MAU LOA) LANDS TO BE DIVIDED FOR EVER

(KOU KULEANA A PAU) THIS PORTIONS OF LANDS ENTIRELY

(KOU LIHI) THE BOUNDARIES OF THE LAND

(A PAU ILOKO) THE INTERIOR OF THE LANDS ALSO

(KO'U WAIWAI) THESE ASSETS EVERYTHING.

(LEGAL TITLE TO THESE LANDS TO AU PUNI)

ANSWERS TO THE QUESTIONS

CONCERNING THE GOVERNOR'S EXECUTIVE ORDERS

GOV. EX. ORDER	945	PART 1	903.00	AC
GOV. EX. ORDER	945	PART 2	473.52	AC
GOV. EX. ORDER	887		548.57	AC
TRACT E-1			69.562	AC
PRES. PROC. NO.	827		16.2484	AC

A TOTAL OF OVER 2,000 ACRES MORE OR LESS, PAYMENT PER YEAR 1.00 BY THE UNITED STATES TO THE STATE OF HAWAII

WR65 (cont.)

THESE GOVERNOR'S EXECUTIVE ORDER'S ARE A FORMAT OF CONSPIRACY BY THE PRESIDENT OF THE UNITED STATES, PRESIDENT GEORGE BUSH AND UNITED STATES SECRETARY OF THE INTERIOR MANUEL LUJAN, JR. OF WHICH ARE CO-CONSPIRITORS TO COMMIT FRAUD AND TO SWINDLE THE SOVEREIGN LANDS AND ASSETS, LANDS AND ASSETS WERE DEEDED AND ENDORSED BY AGREEMENT BY KING KAMEHAMEHA III, PRINCESS VICTORIA KAMAMALU BY HER GUARDIAN MATAIO KEKUANA OA AND IOANA II, IN THE BIG BOOK (THE GREAT MAHELE OF 1848 PALAPALA IANA) OR DEED BY JON J. CHINEN.

THE SOVEREIGN NATIVE KANAKA MAOLI LANDS WERE NEVER A PART OF THE KINGDOM OF HAWAII AND THEREFORE WERE NEVER OVER THROWN.

ACCORDING TO HISTORY KING KAMEHAMEHA I WAS OF INDEPENDENT POWER AND DID NOT HAVE AN EMPIRE AND THEREFORE DID NOT HAVE THE AUTHORITY OF AN EMPEROR .

IN INTERNATIONAL LAW, CONQUEST IS DEFINED BY BOUVIER'S LAW DICTIONARY, 1914 EDITION, AS THE TAKING OF THE SOVEREIGNTY OF A COUNTRY, BY FORCE OF ARMS, EXERCISED BY AND INDEPENDENT POWERS' EMPIRE.

FOR FURTHER IN SIGHT IN TO UNDERSTANDING WHAT CONSTITUTES A CONQUEST, LOOK TO THE DEFINITION OF THE FOLLOWING WORDS:
INDEPENDENT POWER: THE RIGHT, ABILITY OR FACULTY, WHICH IS NOT SUBJECT TO CONTROL, RESTRICTION, MODIFICATION OR LIMITATION FROM ANY GIVEN OUTSIDE SOURCE.

WR65 (cont.)

EMPIRE: THE LANDS OR AREA OR AUTHORITY OF AN EMPEROR

IN VIEW OF THE AFOREMENTIONED, ONE COULD CONCLUDE THAT IT TAKES AN UNCONQUERED NATION TO CONQUER ANOTHER NATION, AND SINCE KAMEHAMEHA I, DID NOT CONSTITUTE A NATION, THUS, NO OVERTHROW.

AND THEREFORE LOOKING BACK INTO HISTORY KING KAMEHAMEHA FIRST, SECOND, AND THIRD DID NOT BRING OUR SOVEREIGN NATIVE KANAKA MAOLI CHIEF AU PUNI TO A SUBMISSION OF HIS SOVEREIGN LANDS AS REQUIRED BY INTERNATIONAL LAW.

WHERE AS LOOKING BACK INTO HISTORY, THE YEAR WAS 1893, WHEN AN ILLUSION WAS CREATED, WITH THE SUPPOSED OVERTHROW OF QUEEN LILIUOKALANI, A DESCENDANT OF KING KAMEHAMEHA I OF WHOM INTERNATIONAL LAW DEFINES AS NOT HAVING THE AUTHORITY OF AN EMPEROR AND THEREFORE NO EMPIRE TO OVERTHROW.

THE EXECUTIVE COUNCIL, RESPONSIBLE AT THAT TIME, WAS MADE UP OF FOUR (4) MEN NAMELY JAMES A. KING, STANFORD B. DOLE- PRESIDENT, W.O. SMITH AND P.C. JONES, THEY AND THOSE WHO FOLLOWED WERE CITIZENS OF THE UNITED STATES OF AMERICA, AND THEREFORE BOUND TO THE CONSTITUTION AND LAWS THERE OF.

ACCORDING TO HISTORY, RUMOR HAS IT THAT THERE WERE FIVE BUSINESSMEN WHO EXECUTED THE SO CALLED OVERTHROW OF THE ISLAND KINGDOM. AS EVIDENCE ABOVE, FIVE BUSINESSMEN DO NOT CONSTITUTE AN INDEPENDENT POWER AND/OR A NATION, NOR DID THEY CONTROL AND EMPIRE.

FURTHERMORE, THEY WERE NOT ACTING ON BEHALF OF THE UNITED STATES OF AMERICA, AS PRESIDENT CLEVELAND DENIED THEM SUPPORT OF AMERICA AND/OR

WR65 (cont.)

HER MILITARY FORCES, IN FACT, PRESIDENT CLEVELAND DEMANDED THESE BUSINESSMEN TO STOP THEIR ACTIONS IMMEDIATELY.

THESE MEN WERE MERELY ACTING IN THEIR OWN SELF-INTEREST, WITH NO POWER, NO AUTHORITY AND NO JURISDICTION TO CONSTITUTE AN OVERTHROW CONQUEST, THUS NO OVERTHROW!!!

AND THEREFORE THE LANDS OF THESE ISLANDS CALLED NA MOKU PUNI O HAWAII (THESE ISLANDS OF PUNI CALLED HAWAII) ARE SOVEREIGN LANDS OF NATIVE KANAKA MAOLI CHIEF AU PUNI

NATIVE KANAKA MAOLI CHIEF AU PUNI WAS NEVER BROUGHT TO A SUBMISSION OF HIS SOVEREIGN LANDS AS REQUIRED BY INTERNATIONAL LAW, BY KING KAMEHAMEHA I OR THE UNITED STATES OF AMERICA OR ITS CONSPIRITORS.

THEREFORE, MAY IT BE RESOLVED BY THE UNITED STATES OF AMERICA AND THE SOVEREIGN NATIVE KANAKA MAOLI CHIEF AU PUNI OF THIS ERA CONCERNING THE LANDS OF NA MOKU PUNI CALLED HAWAII AS DESCRIBED IN THE NATIVE KANAKA MAOLI MAPS OF 1839 BY KAMALU AND KEPOHONI, THESE TWO MAPS ARE NATIVE.

THE PRESIDENT'S PROCLAMATION'S, GOVERNORS EXECUTIVE ORDERS AND/OR BREAK IN LAND TITLES IN ILLEGAL COURTS ON THESE SOVEREIGN LANDS SHOULD BE STOPPED AT ONCE BY THE PRESIDENT OF THE UNITED STATES OF AMERICA GEORGE BUSH AND ALL RIGHTS AND DETERMINATION SHOULD BE IN FAVOR OF SOVEREIGNTY AND THE RETURN OF ALL LANDS TO NATIVE KANAKA MAOLI CHIEF AU PUNI OF THIS ERA.

WR65 (cont.)

OVERVIEW
OF
SOVEREIGN NATIVE KANAKA MAOLI CHIEF
FROM MOSIAH TO OPUU-KA-HONUA-TO-PUNI

AU PUNI

- 1 - MIGRATION LEADER OF (200 BC) (NAMED THESE ISLANDS NA MOKU PUNI)
- 2 - PATRIARCH OF HIS PEOPLE WITH THE (GENEALOGY)
- 3 - ADMINISTRATOR OF THE SOVEREIGN NATIVE KANAKA MAOLI LANDS OF THE POLYNESIAN TRIANGLE

AU PUNI CHIEF OF THE ISLANDS OF NA MOKU PUNI BEFORE KAMEHAMEHA I
KAMEHAMEHA I TOOK THE LANDS BY FORCE WITH GUNS (CHANGE THE NAME TO NA
MOKU PUNI CALLED HAWAII)
KING KAMEHAMEHA III RETURNED THE SOVEREIGN LANDS TO AU PUNI BY WRITTEN
DOCUMENT OR DEED, BY THE GREAT DIVISION OF LANDS OF 1848 CALLED THE
GREAT MAHELE OF 1848

AN OVERVIEW OF AU PUNI

AU PUNI A DESCENDANT OF OPUU KA HONUA, AU PUNI SETTLED ON THESE
ISLANDS ABOUT (200 BC) ONE HUNDRED AND FIFTY YEARS EARLIER THAN
HAWAII-LOA (64 BC) BY GENEALOGY AU PUNI IS NOT CONNECTED TO THE
HAWAII-LOA'S GENEALOGY THIS SOVEREIGN NATIVE KANAKA MAOLI CHIEF AU
PUNI IS THE PATRIARCH, GENEALOGY KEEPER AND ADMINISTRATOR OF THE
SOVEREIGN LANDS CALLED NA MOKU PUNI (THE ISLANDS OF PUNI) AS HE NAMED
THEM IN 200 BC, HE WAS THE FIRST NATIVE KANAKA MAOLI CHIEF TO MIGRATE
TO THE POLYNESIAN TRIANGLE.

WR65 (cont.)

THEREFORE THIS SOVEREIGN NATIVE KANAKA MAOLI CHIEF AU PUNI IS THE
MAOIL THE INDIGENOUS, ABORIGINE, GENUINE AND TRUE NATIVE OF NA MOKU
PUNI TODAY CALLED HAWAII.

AU PUNI HEREIN DECLARES FOR THE RECORD, THAT THE UNITED STATES OF
AMERICA AND THE STATE OF HAWAII BY ITS PEOPLE, WITH BREAK IN LAND
TITLES AND NAMELY THE GOV. EX. ORDERS & PRESIDENT'S PROCLAMATION'S BY
PRESIDENT OF THE UNITED STATES, PRESIDENT GEORGE BUSH; UNITED STATES
SECRETARY OF THE INTERIOR MANUEL LUJAN, JR. WHO HAS APPELLATE POWERS
OR AUTHORITY OVER THE COMMISSION OF PATENTS AND HIS OFFICE IN THE
BUREAU OF CONVEYANCES OF THE STATE OF HAWAII, IN HONOLULU, OAHU.

BOTH ARE CO-CONSPIRITORS OF A CONSPIRACY TO COMMIT FRAUD AND TO
SWINDLE THE NATIVE SOVEREIGN LANDS AND ASSETS OF THE NATIVE KANAKA
MAOLI CHIEF.

THROUGH "FALSE PRETENCES" IS ATTEMPTING TO DEPRIVE HIM OF HIS RIGHTS
OF SOVEREIGNTY TO BE SECURE IN HIS PERSON AND PROPERTY.

FALSE PRETENSE. IN CRIMINAL LAW. FALSE REPRESENTATION AND STATEMENTS
MADE WITH A FRAUDULENT DESIGN TO OBTAIN "MONEY GOODS, WARES, AND
MERCHANDISE," WITH AN INTENT TO CHEAT. 2 BOUVIER, INST. N. 2308

AU PUNI HERE IN CLAIMS THE RIGHTS TO ALL SOVEREIGN LANDS BY ESCHEAT,
THESE LANDS ARE UNDER USE BY THE UNITED STATES OF AMERICA, AS BONHAM
AIR BASE ON THE ISLAND OF KAUAI, AND OTHERS BY THE STATE OF HAWAII AND
ITS PEOPLE, THESE LANDS TO BE RETURNED TO THE NATIVE KANAKA MAOLI
CHIEF IN THE YEAR OF 1992 A.D. BY GENEALOGY CLAIM---

WR65 (cont.)

THESE ARE SOME OF THE SOVEREIGN LANDS OF THE ISLAND OF NA HOKU PUNI CALLED KAUAI, WHICH ARE AFFECTED BY THE ACTIVITIES OF THE UNITED STATES ARMY STRATEGIC TARGET SYSTEM AT BONHAM AIR BASE ON THE ISLAND OF KAUAI AND SHOULD BE RETURNED IMMEDIATELY BY ITS ANCIENT NAMES AND LAND MARK BOUNDARIES ENTIRELY

THE AHUPUAA OF KIKIAOLA

THE ILI AINA OF PUU KA PELE

THE AHUPUAA OF MAKAWELI

THE AHUPUAA OF WAHIAWA THE AHUPUAA OF KOLOA - HIK AND HEM.

THE AHUPUAA OF HULEIA

THE AHUPUAA OF WAIOLI

AND KA HOKU PUNI OF NIIHAU

TRANSLATION - (THE ISLAND OF PUNI CALLED NIIHAU)

AND THEREFORE BY MY GENEALOGY BY THE PUNI LINE OF MY GRANDFATHER "PUNILEI" (1867 TO 1928 AD) THE AU PUNI AT THE TIME OF THE OVER THROW OF 1883

FROM THE GOD OF KANE HOA LANI (ABRAHAM 1996 BC)

DESCENDANTS TO

KU NAWAO (ISHMAEL)

KA LANI MENEHUNE (ISAAC 1896 BC)

DESCENDANT TO

KINI LAU-A-MANO (JACOB 1836 BC) (KINIKAU)

DESCENDANT TO

KAHIKI-KU (JOSEPH 1745 BC)

DESCENDANT TO

KAOKAO KALANI (MANESSEH - 1715 BC)

AND FROM THE LOINS OF EPHRAIM - BROTHER OF MANASSEH

DESCENDANTS TO

ANIANI KU (LEHI - 660 BC)

WR65 (cont.)

DESCENDANT TO

ANIANI KA LANI (NEPHI - 620 BC)

DESCENDANT TO

MOSIAH (200 BC)

DESCENDANT TO

OPUU-KA-HONUA (200 BC)

DESCENDANT TO

PUNI-AU PUNI (200 BC)

DESCENDANT TO

PUNIPUHA-AU PUNI (1711 AD)

DESCENDANT TO

PUNIPUHI-AU PUNI (1784 AD)

DESCENDANT TO

KELIIMAUOLE-AU PUNI (1809 AD)

DESCENDANT TO

KELIIMAUOLE-AU PUNI (1828 AD)

DESCENDANT TO

PINEHAKA PUNILEI-AU PUNI (1905 AD)

DESCENDANT TO

JOSEPH PUNILEI MANINI-AU PUNI (1930 AD)

THE AU PUNI OF THIS ERA (1992 AD)

RELATION OF PUNILEI (END) 1919 TO 1928 HAWAIIAN TEMPLE

KANO	(1057 AD)	KAUAI
KAPULE	(1079 AD)	KAUAI
EWA	(1097 AD)	KAUAI
KAHELE	(1117 AD)	KAUAI
KAMALU	(1137 AD)	KAUAI
KAUOO	(1151 AD)	KAUAI

WR65 (cont.)		
PEKE	(1177 AD)	KAUAI
KEAKA	(1177 AD)	KAUAI
KALA	(1197 AD)	KAUAI
MAULE	(1217 AD)	KAUAI
DARNEY PILIULEI	(1217 AD)	KAUAI
KAOHIHE	(1237 AD)	KAUAI
KALEIHULUMANU	(1237 AD)	KAUAI
KONA	(1257 AD)	KAUAI
NEE	(1277 AD)	KAUAI
MALUOKEAO	(1277 AD)	KAUAI
HAI	(1297 AD)	KAUAI
KAMAKA	(1317 AD)	KAUAI
PILIAHINE	(1317 AD)	KAUAI
KALAIKONA	(1337 AD)	KAUAI
OKII	(1351 AD)	KAUAI
ONUHA	(1357 AD)	KAUAI
MANO	(1377 AD)	KAUAI
KAPAEHI	(1397 AD)	KAUAI
PUNIPUHA	(1711 AD)	MANA KAUAI
PUNIPUHI	(1784 AD)	KAUAI
KALUA PUA HIWA	(1784 AD)	KAUAI
G-SON NA WAAWAI KAPAIIKI ABOUT 1806 AD KAUAI		
G-SON KELIIMAUOLE, KALAU PUA HIWA (1809) MAKAWELI		
SON OF KELIIMAUOLE ABOT (1828 AD) MAKAWELI		
(COUSIN) LUKA MIUAMA (1845 AD) MAKAWELI		
KAHAIALII (1854 AD) HAWAII		
(NIECE) KAMEHAIKI (1868 AD) HONUAKAHA OAHU		
KAUHANE, HANA (1882 AD) MAKAWELI		
(UNCLE) WAHINE KAPU (MAY 30, 1890) MAKAWELI		

WR65 (cont.)		
BY MY GENEALOGY		
<p>I, JOSEPH PUNILEI MANINI THE PUNI OF THIS ERA OF 24 MARCH 1992 AND DO CLAIM FROM THE PRESIDENT OF THE UNITED STATES OF AMERICA PRESIDENT GEORGE BUSH AND FROM THE SECRETARY OF THE INTERIOR SECRETARY MANUEL LUJAN, JR. TO BE THE SOVEREIGN NATIVE KANAKA MAOLI CHIEF AU PUNI, OF THE SOVEREIGN KANAKA MAOLI KINGDOM BY MY GENEALOGY.</p>		
<p>THEREFORE AS AU PUNI I CLAIM ALL OF MY SOVEREIGN, GUARANTEED OF RIGHTS PRIVILEGE, AND IMMUNITIES AS SPELLED OUT IN THE CONSTITUTION OF THE UNITED STATES OF AMERICA AND HERE IN DEMAND ALL OF MY RIGHTS, PRIVILEGES AND IMMUNITIES, SO SECURED TO HIS PERSON, INCLUDING THE PROTECTION OF COMMON LAW, AND THE LAW CALLED THE "COMPACT OF FREE ASSOCIATION" AS A FORMAT FOR NEGOTIATION, AN <u>INTERNATIONAL LAW</u> OF THE <u>WORLD</u>--</p>		
<p>IN ADDITION AU PUNI "OBJECTS" AND "DENIES" ANY AND ALL PERSON FROM DEPRIVING AND/OR "ALIENATING" HIM FROM HIS CONSTITUTIONAL GUARANTEE OF RIGHTS SECURED TO HIM AS A NATIVE KANAKA MAOLI CHIEF AND PROTECTED BY A "COMPACT OF TRUST" WHERE BY THE UNITED STATES GOVERNMENT, HAS A "FIDUCIARY DUTY" TO PROTECT SAID RIGHTS AND THE COURT OF COMMON PLEAS HAS JURISDICTION OVER IT <u>COM VS COMPTON</u> 137 PA. 138, 20 ATL. 417.</p>		
<p>THEREFORE ANY LAND TRANSACTION IN THESE ISLANDS THAT SHOW A "BREAK IN TITLE" CONSTITUTES <u>FRAUD</u> AND <u>SWINDLE</u>.</p>		
<p>WHEREFORE NOTICE IS HERE IN GIVEN OF THE FILING OF A PARTICULAR COMMON</p>		

WR65 (cont.)

LAW LIEN OF ATTACHMENT AND CAVEAT WITH MEMORANDUM OF LAW AND RECORDED IN THE BUREAU OF CONVEYANCE IN HONOLULU, HAWAII IN LIBER 20882, PAGE 479, WHICH CONSTITUTES A "MIRANDA WARNING" TO ALL PERSONS ACTING ILLEGALLY WITH THE INTENT OF FRAUD OR TREASON NOTICE IS GIVEN THAT YOU WILL BE HELD PERSONALLY LIABLE

ESCHEAT. AN ACCIDENTAL REVERTING OF THE LANDS TO THE ORIGINAL LORD.

AN OBSTRUCTION OF THE COURSE OF DESCENT, AND A CONSEQUENT DETERMINATION OF THE TENURE, BY SOME UNFORESEEN CONTINGENCY, IN WHICH CASE THE LAND NATURALLY RESULTS BACK, BY A KIND OF REVERSION, TO THE ORIGINAL, OR LORD OF THE FEE. 2 BLA. COM. 244 ET. SEQ.

IT IS A PROCEEDING AT LAW AND "NOT EQUITY" IN RE FENSTER MACHER VS STATE, 19 OR. 504. 25 PAC. 14 AND THE COURT OF COMMON PLEAS HAS JURISDICTION OVER IT, COM VS COMPTON 137 PA. 138, 20 A+1.417.

THE UNITED STATES CONSTITUTIONS AND THEIR POSITIVE LAWS PROTECT AND GUARANTEE TO ALL SOVEREIGNS INALIENABLE AND VESTED RIGHTS.

AND THEREFORE THIS NEGOTIATION SHOULD TAKE PLACE ON THE ISLAND OF KAUAI, STATE OF HAWAII IN NOT MORE THAN NINETY (90) WORKING DAYS AND STARTING FROM THE 27TH DAY OF MARCH 1992 A.D.

THE NATIVE KANAKA MAOLI PEOPLE ARE CONSIDERED NON-SELF GOVERNING PEOPLE AND AS SUCH, ARE ENTITLED TO USED A LAW CALLED THE "COMPACT OF FREE ASSOCIATION" AS A FORMAT FOR NEGOTIATION.

WR65 (cont.)

THIS ARRANGMENT BY THE UNITED STATES SECRETARY OF THE INTERIOR, MR. MANUEL LUJAN, JR. AND NATIVE KANAKA MAOLI CHIEF AU PUNI OF THIS ERA BY GENEALOGY MR. JOSEPH PUNILEI MANINI P.O. BOX 201, MAKAWELI, HAWAII 96769 AND THE PHONE NUMBER IS 338-1538.

WHERE AS NEGOTIATION OF ALL LANDS OF NA MOKU PUNI CALLED HAWAII, INCLUDING THE RIGHTS TO THE POLYNESIAN TRIANGLE, THE RIGHTS TO ALL ASSETS OF THE KANAKA MAOLI KINGDOM, RENTS, TAXES, LAND USE PAYMENTS FOR ALL PAST AND PRESENT LAND USE ETC. POSSESSION OF THIS RIGHTS.

IN CONCLUSION MY CONCERNS WITH THE ACTIVITIES AT BONHAM AIR BASE AND THE POLYNESIAN TRIANGLE IN REGARDS TO THE UNITED STATES OF AMERICA, AND THE STRATEGIC TARGET SYSTEM AND THEIR WAR GAMES, ON THIS SOVEREIGN LANDS AND SURROUNDING AREA SHOULD BE STOPPED AT ONCE.

I SEAL THIS PRESENTATION ON THIS 24TH DAY OF MARCH 1992 AD
UA MAU KE EA O KA AINA I KA PONO (TRANSLATION-KANAKA TO ENGLISH)
PRESERVE AND ENDURE DEFINITE SOVEREIGN OF THIS LANDS AND TO DO IT
HUMBLY "ALOHA"

I THANK YOU FOR GIVING ME THE RIGHT TO TESTIFY AT THIS PUBLIC HEARING.

ALOHA,

CC-

Joseph Punilei Manini Sr
P.O. Box 201
Makaweli, Hawaii 96769

To Henry Cooper.

I am writing to you in regards to the STARS program on Kauai. I am very much against the STARS program. My reasons are;

1. STARS is not safe.
2. STARS is damaging to the environment.
3. STARS costs too much money.

First of all, I don't think that STARS is safe enough and many noted scientists agree that STARS is very unlikely to work. The Army keeps insisting that the 20 year old Polaris missiles are completely refurbished and have a 97 percent reliability rate. The Army also tries to reassure us that there has never been a denotation or explosion of Polaris booster in flight. Contrary to these "facts" given by the Army, there has been termination of two rocket launches. Last December there was a rocket explosion at White Sands, New Mexico. More recently, at Cape Canaveral a guidance missile, similar to the one to be used at PMRF, had to be destroyed shortly after liftoff. Cape Canaveral has a safety area of 18,000 square miles, while PMRF only has a 10,000 square foot safety area.

Secondly, the EA and EIS state that there will be no significant impact on the environment. I do not believe that at all. For one thing, there are freons in emissions from the missiles. Freons have similar properties as CFC's. Researchers from NASA blame CFC's for depletion of the ozone layer. Also, chemicals such as aluminum oxide, hydrazines, and hydrochloric acid will be in the payload of the missiles. These chemicals are known to cause death and disease in plants, animals and humans. Medical research has linked aluminum to Alzheimers disease. Further more,

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hydrochloric acid is a deadly gas to humans. Recently, a California highway was closed due to a spill of hydrochloric acid. Also, exposure to chemical emissions from STARS missiles can cause respiratory problems.

Finally, I think the STARS program will cost too much money. I have seen figures as high as \$75 billion dollars! I do not want any of my hard-earned-tax-paying-money to be spent on STARS. I do not think the government has the right to be spending billions of dollars on STARS while there are millions of homeless people in the USA; while there is still no cure for AIDS or cancer; while most of the children in the USA live in poverty; or while most of the citizens of the USA have inadequate or no health care.

In summary, I think that the STARS program should be scraped! The USA needs to be using its money, resources and time for the tangible benefits of all its citizens. Finally, I think the military should remember that pollution knows no boundaries and that the citizens of the USA are not the only inhabitants of The Earth.

STOP STARS!

Brigid McBride
Brigid McBride

P.O. Box 1476

Kapaa, HI. 96746

April 2, 1992



STATE OF HAWAII
OFFICE OF HAWAIIAN AFFAIRS

711 Kapiolani Blvd., Suite 500
HONOLULU, HAWAII 96813-5249
PH (808) 586-3777
FAX (808) 586-3799

April 2, 1992

Deputy Commander
U.S. Army Strategic Defense Command
P.O. Box 1500
Huntsville, Alabama 35807-3801
Attention: CSSD-EN-V (D.R. Gallien)

Dear Sir:

Re: Draft Environmental Impact Statement for the Strategic Target System
(February 1992) U.S. Army SDC
Pacific Missile Range Facility-Kaua'i Test Facility
Mana, Waimea, Kaua'i, Hawai'i

Thank you for the opportunity to review and comment on the Draft
Environmental Impact Statement (DEIS) for the Strategic Target System,
dated February 1992.

The Office Of Hawaiian Affairs is concerned about the effect of this
project on land use in the Mana area. Several hundred acres of Hawaiian
Homes Trust land lie extremely close to the Pacific Missile Range
Facility (PMRF). Historically, this federally-created but state-
administered trust has lacked money and other resources to develop its
land. Recently, renewed effort is being made to make Hawaiian Homes
lands available to Native Hawaiian trust beneficiaries.

The safety hazard zone proposed for this project may affect the ability
of DHHL to develop these lands as anticipated. The land use section of
the DEIS does not address this issue. We believe that a discussion of
the safety hazard zone and its potential impacts on the development of
DHHL lands should be included in the final EIS.

The public property adjacent to PMRF is also a concern. This property is
part of the public trust and is currently leased to Kekaha Sugar Company

Deputy Commander
U.S. Army Strategic Defense Command
April 2, 1992
Page 2

by the State of Hawai'i Department of Land and Natural Resources (DLNR).
The DEIS proposes that safety measures include a Memorandum of Agreement
(MOA) among PMRF, DLNR and Kekaha Sugar Company to allow PMRF security
forces to keep the public and Kekaha Sugar Company personnel clear of the
ground hazard area during each launch.

However, the lease between Kekaha Sugar and DLNR will expire before this
project terminates. The conditions of the MOA will effectively restrict
the use of this land to agriculture for a period longer than the length
of the lease. This negative effect on land use options is not discussed
in the DEIS but should be included in the final EIS.

The water supply for PMRF should be addressed. The lack of water in the
Mana area has been an issue of concern for many years. It is our
understanding that PMRF obtains its water from the Kekaha Sugar Company.
If the lease to Kekaha Sugar Company is not renewed will there remain a
supply of water for PMRF?

Guaranteed public access to the beach areas of PMRF was a condition of
the transfer of the property to federal control. The DEIS at page ES-6
states that public access to beach areas at PMRF will be restricted for
about 56 days a year. This appears to be in contradiction to the
information contained in the Zest 1 & 2 Environmental Assessment
published on May 28, 1991 which states "[b]each closure days for this
schedule is a maximum of 238 days per year." This contradiction should
be clarified in the final EIS and the cumulative effect of launches on
beach closure clearly detailed.

In addition the DEIS details that "the maximum ESQD restriction denies
the public access to only 7.4 percent (3,215 feet) of the 8 miles of
available beach along PMRF and only 2 percent of the 22 miles of
available public beach along western Kaua'i. It should be remembered
that beach activities are the primary recreational activity of both the
general public and the tourist population of Kaua'i. The 22 miles of
public beach along Kaua'i's western coast is small compared to the public
and commercial demand for beach related activities.

Therefore, the restriction of even 2 percent of the beach is significant
and the socioeconomic consequences of the additional demand on other
beach areas, should be discussed.

The proposed mitigation concerning the endangered adder's tongue fern
(*Ophioglossum concinnum*) is also of concern to OHA. On pages 4-30 of the

WR67 (cont.)

Deputy Commander
U.S. Army Strategic Defense Command
April 2, 1992
Page 3

DEIS it is proposed that mitigation would include transplanting the fern to suitable habitat elsewhere within PMRF.

We strongly disagree that the transplanting of endangered species is acceptable mitigation.

First, there is the question of whether or not the plant can withstand the shock of transplanting. Second, even if the plant is able to survive, the habitat from which it has been removed has been artificially and perhaps irreversibly altered.

The concept of protecting endangered species has a wider focus than the single individual plant. Preserving the habitat is equally important if our aim is to keep these plants viable for future generations. Artificially, restricting endangered species to a few areas, threatens their ability to adapt and evolve as part of the natural process.

Finally, we are concerned with the cumulative effect of the hydrogen sulfide emissions on stratospheric ozone. The DEIS offers no mitigation for hydrogen sulfide emissions, stating on page 4-21 that "[p]rogrammatic stratospheric chlorine contributions over an 11-year period would not accumulate above approximately 0.0001 percent of the total global ozone loss. However, this 0.0001 percent represents an increase to ozone depletion, at a time when there is a worldwide effort to reduce the amount of ozone depletion in the stratosphere.

A story in the February 17, 1992 issue of Time magazine "The Ozone Vanishes" states that the Montreal Protocol, which was created in 1987, called for a 50 percent reduction in chlorofluorocarbon (CFC) production by 1999. By 1990, the delegates were so alarmed by the rate of depletion that they agreed to a total phaseout of CFCs by the year 2000.

Although, hydrogen sulfide emissions may not be considered CFCs, they unquestionably contribute to ozone depletion. Since the focus of this issue is the depletion of global ozone, we urge a more comprehensive discussion of this effect and the inclusion of mitigative measures in the final EIS.

Sincerely,


RICHARD K. PAGLINAWAN
Administrator

cc: Clayton Hee, Chairperson
OHA Board of Trustees

WR68

Deputy Commander, U.S.A.
CSSD-EN-V (D. R. Gallien)
P.O. Box 1500
Huntsville, Al. 35087-3807

Dear Sir:

I am not wishing anyone to come over here and bomb us, but I don't want to sit here and do nothing.

So please get the STARS program going as soon as possible. I believe it would be a lot safer if the service people would practise enough with it that they wouldn't have to worry about whether it will work or not. It would be awful if we shot one off and it didn't work.



Chloe Ellenburg, Secretary/treasurer
American Legion Auxiliary
Unit #2
Maerican Legion Auxiliary, Hawaii

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WR69

KENNETH A. WILSON
P.O. BOX 86
KAPAA, HAWAII 96741

Deputy Commander
U.S. Army Strategic Defense Command
CSSM-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, AL 35807-3801

Dear Sir,

I am writing in opposition to the proposed SDI missile launches on the island of Kauai. Our island is not like the desert of Nevada. Although it is by no means an "urban" center, there are still tens of thousands of "real" people inhabiting it. And even if the lives of these people are not important enough to be protected from potential "accidents", the unique and majestic beauty of Kauai's land is truly worth a serious attempt at preservation and respectful treatment. We are already going through numerous other trials, in regard to the development and proper evolution of civilization on this tiny mass of land. To think that it would even be "remotely" possible that one of these missiles might veer off-course and come down smack in the middle of the island is a nightmare that no one wishes to face. I don't know if you've ever visited Kauai or not, but if you have, you must understand that it is a very special piece of this planet.

I sincerely hope the powers that be come to the conclusion that this proposed project has been mistakenly designated for implementation on Kauai and that the process can be reversed before it's too late for my neighbors and I.

SINCERELY YOURS,

Kenny Wilson
KENNY WILSON

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2-81

WR70

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

SEE ENCLOSED

1

Name _____

Address _____

Street Address

City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSM-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

WR70 (cont.)

KIKIAOLA LAND COMPANY, LIMITED

YES... MORE ON STRATEGIC TARGET SYSTEM!

This statement needs your attention. Yes, YOU! Have you ever considered what the environmental impact would be on the ecology of Kauai if a nuclear bomb were to be exploded over Kauai? You don't think that will ever happen, do you.

Has it ever occurred to you that a long/medium-range ballistic nuclear-tipped missile could *accidentally* be launched, either from U.S. soil or from foreign soil; or from a submarine? Sure, we're at peace now, and all the missile in their launch tubes are presumably at sleep. Well, Murphy's law says that: "if something could go wrong (usually meaning something really bad), it most certainly will!! That is not very comforting, if Murphy decides it's possible to accidentally launch a sleeping nuclear missile.

Now, once that missile has been launched, there is virtually no way it can be stopped. So, what if it were targeted for, say, Pearl Harbor and Hickam Air Force Base? If it had multiple warheads, one of them could well be aimed at PMRF! BANG!... there goes Kauai's ecology, not to mention lots of folks! Now this nuclear explosion is what I call "macro-ecological impact."

On the other hand, we currently have some people spending a lot of time thinking and talking about the possible "micro-ecological impact" that could be caused by some very much needed high-technology Research and Development. What am I driving at? I'm saying that this R & D is of vital interest to all of us for future *protection* against the Murphy's that are lurking out there. The magnitude of the environmental impact at PMRF, of a measly count of four test launches a year for ten years is absolutely minuscule compared with one nuclear detonation, anywhere in the world. The nuclear fallout is a global *macro-ecological impact*.

If you don't think that accident-prone Murphy is of concern, then think about the current instability of the sovereign states of the former Soviet Union. Until we have *all dismantled* our ICBMs worldwide and as long as there are still thousands of these devices capable of knee-jerk launching with devastating consequences, we damn well better get on with our R&D homework.

Come on, folks, lets support a good cause. I love Kauai just like you do. I was born and grew up in Waimea Town and we had our picnics at Nohili Dunes too. Just as we supported the troops at Barking Sands during World War II, our Company continues to supports this cause as well.

I don't want to ever be in the angelic position of saying "I told you so" if and when we were to have that big Murphy BANG over Kauai because we didn't do our homework. I don't believe you would want that either. (By the way... no offense to anyone with the name Murphy.)

Mahalo for your support too,

Alan E. Faye Jr.
Alan E. Faye, Jr., Vice-President
Kikiaola Land Co., Ltd.

cc: Senator Daniel Inouye
The Garden Island Newspaper



P.O. Box 367 / 9800 Kaunualii Hwy. / Waimea - Kauai, Hawaii 96796 • Telephone (808)/338-1900 FAX (808)/338-1619

2-82

WR71



NATIVE HAWAIIAN ADVISORY COUNCIL

A Nonprofit Corporation

1088 Bishop Street, Suite 1204, Honolulu, Hawaii 96813
Telephone (808) 523-1445
Facsimile (808) 599-4380

1992 April 9

Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

RE: Draft EIS for the Strategic Target System Program at the Kauai Test Facility on the Pacific Missile Range Facility

COMMENTS ON DRAFT ENVIRONMENTAL IMPACT STATEMENT FOR THE STRATEGIC TARGET SYSTEM

1. Cumulative Impact

The proposed action would just be the latest in a long string of actions which demonstrate mismanagement of Hawaiian lands and disrespect for Hawaiian rights in west Kaua'i. The DEIS fails to address the cumulative impacts of land alienation and abuse which would be aggravated by the proposed project.

The DEIS fails to recognize the ceded lands status of portions of the Pacific Missile Range and adjacent state lands. In conjunction with the Hawaiian Home Lands at Kekaha, these ceded lands are the foundation of Hawaiian land and natural resource entitlements in west Kaua'i. Their future as centers of Hawaiian efforts would be impacted by the proposed project, but these impacts are not identified or discussed in the DEIS.

EXAMPLES OF CURRENT IMPACTS

A. According to state agency reports, 14,558 acres of Hawaiian Home Lands at Kekaha are leased for \$ 55,209/year. An adjacent 13,167 acres of ceded lands is leased for \$ 358,591/year (GL S-4222). Why are the ceded lands leased for over six times the rent of Hawaiian Home Lands? Could it be because most of the ceded land revenues go to statewide programs, whereas Hawaiian Home Lands revenues only go to Hawaiians?

B. These leases include rights to use water harvested by the Kokee, Kekaha, and Waimea ditch systems. This makes the water unavailable for supporting homesteading and other Hawaiian initiatives on Hawaiian Home Lands and for supporting kuleana lands and state lands in Waimea.

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WR71 (cont.)

C. The U.S. Navy does not pay any rent for leases of 248 acres of suspected ceded lands at Mana and Waimea [GL (D)S-4596, 4597, 3952].

D. The U.S. Army does not pay any rent for lease of 8.45 acres of suspected ceded lands at Kokee [GL (D)S-3937].

E. The US Navy leases 23 acres of suspected ceded lands at the Pacific Missile Range.

F. The remainder of the PMR operates on suspected ceded lands withdrawn from territorial control by Presidential executive order. The state has never been compensated for federal use of these lands.

G. The Hawaii Water Plan states that the Kekaha Aquifer is sensitive to overpumping and that it is currently overpumped. The State Commission on Water Resource Management recently contracted a study of water shortages in the Kekaha area. However, the study is limited in scope, and no action is being contemplated to relieve the stress inflicted on the aquifer by overpumping.

2

WR72

Henry F. Cooper, Director
Strategic Defense Initiative Organization
CSSD-EN-V
P.O. Box 1500
Huntsville, Alabama 35807-3801

10 April 1992

Dear Sir,

Do not test the Stars program in Kauai. Firing missiles from the Pacific Missile Firing Range violates the three valuable qualities of life in Kauai.

1. Endangered marine mammals are gradually returning to their natural environments around Kauai. The numbers of the endangered green sea turtle, the Hawaiian monk seal and the humpback whale living in the waters and beaches of Kauai have increased slowly since the marine mammal protection act was passed during the 1970's. The seals and whales choose Kauai's waters to mate and bear their young. The Army's plan to fire 40 missiles during the next ten years will frighten and drive these animals away, to other less-safe beaches, where the animals are more vulnerable to shark attack, and their populations will decline. We all have a responsibility to preserve these remaining endangered animals for future generations of people to study and appreciate.

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2. Native Hawaiians consider the lands occupied by the Pacific Missile Firing Range, and adjacent to it to be sacred burial grounds. The firing of missiles violates the respect and honor that is owed to this land. The waste materials that would be released into the air, water and earth from the missile launching denigrates this land that is cherished by native peoples.

3. Launching missiles from Kauai threatens the tourist industry. Visitors from other parts of the world choose to come to Kauai for the unspotted beauty of its beaches, verdant valleys, dramatic coastline, abundant marine life and quiet lifestyle. Launching 40 missiles during the next 10 years will contaminate the ocean with debris and chemicals discharged from the missiles, harming the marine life and damaging Kauai's fragile ecosystem. The movement of hazardous materials/fuels on the roads, on boats and on Kauai's airports could result in a catastrophe (like the Exxon Valdez, or the misfired missile that exploded in its silo in Arkansas recently). Launching missiles will drive tourists away and ruin Kauai's economy.

Thank you for your attention. Sincerely,

Helen M. Mehl
Helen M. Mehl
1675-2 Makanui Rd.
Koloa, HI 96756

cc. Mayor Joann Yukimura
Senator Daniel Inouye
Senator Daniel Akaka
Representative Patsy Mink
Representative Neil Abercrombie
Editor, Kauai Times



KAUAI GUARDIANS

Education/Research

April 4, 1992

Mr. Randy Gallien, Chairman
Strategic Target System Environmental Impact Statement Team
U.S. Army Strategic Defense Command, CSSD-EN-V
P.O. Box 1500
Huntsville, Alabama 35807-3801

Re: Draft Environmental Impact Statement For
The Strategic Target System

Dear Mr. Gallien:

We have carefully reviewed the DEIS for the Strategic Target System and find that Section 2.3 (alternatives eliminated from further consideration) is not credible.

There is no reference found anywhere in the DEIS which we can associate to Section 2.3 of the DEIS. In this section there are statements and conclusions of International Law. The Anti-Ballistic Missile Treaty (ABM) and START are part of International Law. Who wrote Section 2.3 of the DEIS?

I spoke with Mr. Matt Nichols, the Army's Treaty Advisor. I asked him if he was a U.S. COURT RECOGNIZED INTERNATIONAL LAW EXPERT. His reply was no. He said his degree is in engineering and he provides technical information for the STARS program. Did Mr. Matt Nichols write Section 2.3 of the DEIS?

Would you agree with me, that legal considerations regarding the STARS program and the SDI, would be acceptable to the people of Kauai...if U.S. COURT RECOGNIZED INTERNATIONAL LAW EXPERTS prepared a LEGAL ANALYSIS that could be included in the final EIS? SECTION 2.3 OF THE DEIS...NEEDS TO BE QUALIFIED IF YOU EXPECT US TO BELIEVE IT.

The following list, should you choose to research, would be very helpful to you for legal information regarding the STARS program and the Strategic Defense Initiative.

- * The Lawyers Committee On Nuclear Policy, Inc., 666 Broadway, Suite 610, New York, N.Y. 10012 Tele (212) 674-7790 FAX (212) 674-6199

BOX 786, HANAIEI, KAUAI, HAWAII 96714 • (808) 822-7787 • FAX (808) 826-7111

(NOT FOR PROFIT)



Mr. Randy Gallien, Chairman
DEIS Team
April 4, 1992

- * Professor Ann Fagan Ginger, P.O. Box 673, Berkeley, CA 94704
Tele (415) 848-0599, FAX (415) 848-6008 (Professor Ginger is a U.S. Court recognized International Law expert)
- * Professor Abram Chayes, Harvard Law School
- * Professor Martin Feinrider, Nova University Law Center,
Fort Lauderdale, Florida
- * Chayes, Chayes & Spitzer, Space Weapons: The Legal Context,
114, Daedalus 193 (1985)
- * The Strategic Defense Initiative And International Law,
professor Martin Feinrider (Legal Analysis)
- * Arthur S. Miller, co-editor with Professor Martin Feinrider,
Nuclear Weapons and Law (Greenwood Press)

All of the above list of names are highly qualified to provide you with accurate, truthful, legal information regarding the SDI and it's component STARS program.

Now we would like to bring your attention to the argument put forth stating that the STARS program is "research" and therefore unrestricted by the ABM Treaty. We agree. The STARS program is research.

However, to the U.S. Government - at least according to the 1985 Arms Control Impact Statement (98th Congress, 2nd Session 294 (1984) and the U.S. Ambassador Gerard Smith's Statement to the Senate Armed Services Committee, July 18, 1972) THE ABM TREATY ALLOWS RESEARCH OCCURING IN THE LABORATORY AND PROHIBITS DEVELOPMENT AND TESTING OCCURING AT LATER STAGES OF WORK WHEN "FIELD-TESTING IS INITIATED ON EITHER A BROAD-BOARD MODEL OR A PROTOTYPE".

We assume that you have text copy of the ABM Treaty (23 U.S.T. 3434, T.I.A.S. No. 7503). Do you have text copy of the Agreed Statements, Common Understandings, and unilateral Statements Regarding the ABM Treaty?

WR73 (cont.)

Mr. Randy Gallien, Chairman
DEIS Team
April 4, 1992

In order to understand the ABM Treaty - this part is essential.

According to the Unilateral Statements Regarding The ABM Treaty - on April 7, 1972, the U.S. Delegation said that...TESTING OF NON-ABM COMPONENTS FOR ABM PURPOSES...IS PROHIBITED.

According to the U.S. Army Strategic Defense Command's description of the STARS program that appears in the DEIS and other information provided by Sandia National Laboratories...IT STRONGLY APPEARS THAT THE STARS PROGRAM IS TESTING OF NON-ABM COMPONENTS FOR ABM PURPOSES. But only a United States Court of Law could confirm or deny that - wouldn't you say?

Other relevant International Law which would apply to the SDI and to which the U.S. has a legal obligation - is the Outer Space Treaty (18 U.S.T. 2410, T.I.A.S. No.6347, 610 U.N.T.S. 205). The multilateral law governing anti-ballistic missile defense systems is from the Outer Space Treaty. The U.S. is obligated to restrict itself to PEACEFUL USES OF SPACE. The family of nations has reserved outer space for peaceful purposes - NOT FOR USE TO MILITARY ADVANTAGE. Obligations emanating from the multilateral Outer Space Treaty alone...could well determine the LEGALITY OF SDI. The "Brilliant Pebbles" space-based interceptor missile system...HARDLY QUALIFIES AS "PEACEFUL".

In closing this communication - we would prefer that the Army Strategic Defense Command, volunteers to INCLUDE A "REAL" LEGAL ANALYSIS OF THE STARS PROGRAM IN THE FINAL EIS. We prefer not to seek a court order that would mandate you to do so. We also prefer not to engage in a massive demonstration, that quite possibly would be the largest protest in modern history of Kauai.

One final comment. In 1988, President George Bush said: "We should abide by the ABM Treaty - and so should the Soviets". I agree with Mr. Bush on that. Do you?

Would you support SDI and STARS if they were illegal? If there are any questions, I can be contacted at: (808) 822-7787

Sincerely,

Robert Macknowski

Robert Macknowski
President

cc: Garden Island Newspaper, Kauai Times Newspaper, Senator Inouye,
Senator Reed, Mayor Yukimura, Lawyers committee On Nuclear Policy,
Professor Ann Fagan Ginger

2-85

WR74

TO THE U.S. ARMY AND S.D.I.

APRIL 4TH, 1992

You have enslaved the land and continue to grievously wrong a generous and graceful people.

You usurp and occupy our sacred ground, despoiling it with strategic schematics of destruction, tendering no reparation or rent - now you threaten to extinguish us completely, by exposing us to catastrophic result while dismissing and denouncing as unpatriotic those who would oppose your games of war and weaponry.

The boorish taunts and jeers of your pawns and minions sizzle like acid rain defiling fertile sensibilities.

I have heard the cacophonous howl of your war dogs, felt their hot coarse fetid breath against my cheek, and am sickened by the stench of their festering putrid sores rendering foul our gentle breeze. I shiver with the desire for your departure, to see our land cleansed of you and restored to the people.

Make this not your lair, leave go these horrendous designs of deadly consequence and doom - we are not your Dachau and desire not your rank dollars of deceit.

Repatriate our lands, restore our indigenous people, the Kanaka maole, divest your hold upon us and leave go your exploitative occupation of a sovereign nation held wrongfully in bondage and thralldom.

Kalanikumai kumaka na ali'i hanohano.

witness my hand:

Kalanikumai kumaka na ali'i hanohano
c.e. Schimmelfennig III
aka/ c. e. schimmelfennig III

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WR74 (cont.)

U.S. ARMY E.I.S.
S.D.I. AT PMRF

March 24th, 1992

TEXT OF CITIZEN STATEMENT

I am known as Zacheriah Branch Harmony. I am a keike o ka aina, a part-hawaiian child of the land, born Charles Edwin Kalanikumai Ku`umaka ne ali`i hanohano Schimmelfennig III. I returned home to Kaua`i three years ago after 28 years a wayfarer in the Americas. I have learned about war and killing. I have worked well at many jobs and have educated myself in the ways of the world. I believe in and support self-determination.

My father and grandfather also were veterans. My grandfather, Carl Makauliuli o kalanikumai hanohano Schimmelfennig, was the great-grandson of Nakapa`ahu Kailipoloahilani, whose grandfather was Kailipoloahilani. My grandmother, Elizabeth Brandt Schimmelfennig, was the granddaughter of Isaac Kapuni`ai Hart, whose mother was Kahemanui.

My piko is planted in this land, at Koloa Landing, at my families former taro patch. I can count many of Kaua`i's o`hana as my relatives, and all of Kaua`i as neighbors.

I pray consideration and support be given those who oppose the strategic target system and any launches from Kaua`i. Their fears have not been calmed, they are not appeased, their doubts cannot be silenced with ridicule or shouts. There is too much at risk.

There are those here, who have a moral certainty, that the effects and hazards of the tests can and would, be catastrophic- endangering our precious small, fragile and unique habitat. There are many topics of concern, types of environmental issues, ozone depletion, air, water, life systems threatened, whales, airborne toxins, historical sites, uses of the land, neighbors - even the ownership of the land, 99 years since the illegal overthrow of a sovereign government, to say nothing of the consequences of human error.

WR74 (cont.)

Many of these voices represent groups, working hard in a last ditch struggle to defeat and prevent a catastrophe. They have considerations and opinions prepared with great reason and logic, of the risks - yet another viewpoint that you are hearing tonight and tomorrow, cannot be readily described in a logical, empirical, rational and linear mode of thinking, because it is visceral, "gut level", intuitive, and not epistologically definable by western standards. The military complex is built on a systematized, mechanistic exploitation of resources.

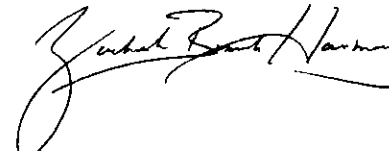
Yet it is the way of our aina to caretake and nurture the resources, to replenish the land as it nurtures, replenishes and takes care of us. "Gut level" feelings, to us keike o ka aina, is the na`ao, our intestines, where our feelings are. Hawaiians are big on "gut level" feelings, they listen to them. That is why the hawaiian word for enlightenment is na`au ao, and ignorance is na`au po.

"Gut level" - these SDI plans are not consistent with the living spirit of this land- they can destroy this land. Respect the traditions, respect these feelings, bring no strategic tests here.

I beg you to release the people of the Marshall Islands, give them back their land, their self-determination, their destiny. Restore them and bomb them no more. Bring no SDI tests here- say No Action as the alternative to Star Wars!

Mahalo... "Oa Mau Ke Ea O Ka Aina E Ka Pono The Life-breath of the land will be restored when control is returned to konaka ma`oli, the rightful heirs".

Kalanikumai Kumeka ne ali`i hanohano,
aka: Zacheriah Branch Harmony



WR75

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

PMRF has been employing people without Star Wars rockets, and will continue to. To use unemployment scare tactics to generate support is an insult to the people of Hawaii.

The war makers have trashed the Persian Gulf, trashed so many beautiful ecosystems around the world. This must stop. Do not bring your war machines to our peaceful island. The Islands of the Pacific have suffered long enough from destructive missile programs. Stop!

Name Josh Addison
Address P.O. Box 1481 Honolulu, HI 96714

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

Is your address long in order to discourage correspondence?

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2-87

WR76

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

My name is Leslie Steinwachs. As a Kawai Resident, Educator, Artist I say it is time for us All - Military Government, the people of Hawaii to come from a higher vision to join together to preserve our Planet - Hawaii is one of the few places that still has clean air and water. The alcohol spirits must not be tampered with. I urge, plead, whatever it takes to not launch these missiles on this sacred land.

It is not a matter of losing jobs at PMRF. Creative solutions take care of that. ~~Other losses at risk~~ ^{Make sure you too play a part} Do NOT launch the missiles!
Name LESLIE STEINWACHS
Address 10824 Kilauea, HI 96754

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

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WR77

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

1
Missile Launching from the Island of
Kauai is the most insane joke I have
heard yet! You can't be serious.
Why ruin such a perfect example
of pristine beauty with such
sickening pollution. Don't you know,
LOVE IS THE ANSWER.

Please Please Please
NO BOMBS/ROCKETS/deadly poisons
near my home, which is the
planet earth. Thank you.

Name RENEE WGRIM
Address PO BOX 1655 HAWAII HI 96714
Street Address City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

2-88

WR78

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

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I oppose the basing of the
STARs launching base on
Kauai, Hawaii.
In particular I am concerned
that the military role on Kauai
is being expanded. Increasing
military activities on Kauai will
tarnish the image of Kauai
as the Garden Island.

Name FRED SNYDER Fred Snyder
Address 3473 LAWALOHA LN, KOLOA, HI
Street Address City/State/Zip Code 96756

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

WR79

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

ACCIDENTS DO HAPPEN !!

*To take the risk of an accident, is utterly ridiculous !!
Kauai has been known to MANY all over the world as PARADISE !!
May Risk it?*

Name *Darcy Wegener*
Address *5240 Makaloa Rd. Kapaa, Kauai, Hawaii 96746*

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

2-89

WR80

April 4, 1992

To All Those Of May Concern,

This letter is written from the heart of a mother of three children on Kauai. It is an appeal for the future of all the children of the World.

Recently our family viewed a video tape entitled Whalesong, produced by Earthtrust. The contents of the video reminded us of the great food resource the Pacific Ocean offers, as long as she is respected & protected from toxic pollution.

Even minimum pollution from the SDQ program at PARS would be unacceptable due to the toxicity of the chemicals involved.

All those who come to Kauai have the chance to be moved spiritually. Man has inhabited Kauai for over 2,000 years. Her sacredness & beauty has been preserved.

Why take a chance of damaging these precious resources? With love of All life,
Mrs. Martin

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WR81

Deputy Commander, U.S. Army
Strategic Defense Command
Huntsville, Alabama

April 7, 1992

Attention: CSSD-EN-V

Aloha D.R. Gallien,

As a resident of Kauai, I am writing to you to express my opposition to the implementation of any SDI or "Star Wars" missile testing on this island. It is simply inappropriate to the character and ambience which this island represents in the hearts of people all over the world; beauty, harmony and essentially, and especially—peace.

At a time when we are donating billions of aid to our once former enemy who seemed to necessitate such a defense program, this program seems to be of the past. It's purpose gone, its remaining momentum must therefore only be of value to those who have a vested personal (rather than national or global) interest in its implementation; those businesses which would prosper greatly from selling the equipment required, and those military personnel who believe their personal employment security lies in the continuation of war preparations.

The paradigm has shifted. There are a growing number of us who understand that when one focuses on the need for war, then wars will be manufactured. With the same principle of what you focus on is created in experience, many of us are now choosing to focus on peaceful ways of getting along on this planet. If we plan for peace, it is my belief that ways to maintain peace will be found.

Thank you for your time in reading this letter.

Sincerely,

Linda Carpenter
Mrs. Linda Carpenter

P.O. Box 3437
Princeville, Kauai 96722

Form and Linda Carpenter
P.O. Box 3437 • Princeville, Kauai 96722 • (808) 826-9194

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WR82

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

The Draft EIS grossly understates the impact of an accident on the tourist industry together with devastating effects on the fragile island's eco system on land, air and sea. The Draft EIS has no credibility.

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John Korte

Name GERA KORTE

Address 379 ILALO PL. KAPAA, HI 96746

Street Address

City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

2-90

WR83

Wallace M. Kawane

Name: Wallace M. Kawane

Address: P.O. Box 170
Kalaheo, HI 96741

Telephone: (808) 332-8885

DOB: June 18, 1940

Occupation: Teacher/Administrator--Dept. of Education

Length of Service: 28 yrs.

Educational Background: BSE, KSTC 1962; MSE, KSTC 1966

I was born and raised on Kauai. Besides the experience gained with the U.S. Army, Y.M.C.A. of Kauai, and the DOE, I also had the opportunity of working for the Dept. of Land and Natural Resources as Camp Director for the Youth Conservation Corps for four summers and also to be trained at Asilomar which is located at Monterey, CA.

Since the 1960's, when the PMRF and its various agencies, and activities appeared on Kauai, there have been no adverse effects to Kauai's environment. The PMRF should be commended for its efforts at keeping the entire part of Kauai under their control in the condition it's in.

The bird sanctuary located adjacent to PMRF's facilities, which was built by the DLNR, shows no ill effects from activities conducted by the PMRF. However the same cannot be said of the activities being conducted by private enterprises on the North Shore (Especially). Leptospirosis and hepatitis warnings seem to be the standard for any of the fresh water environment in that part of the island.

I recall the sense of elation my family and I felt when the Patriot Missile proved itself in combat against the SCUD. What would have been the outcome of the Gulf War if weapons like the Patriot + "Smart Bombs" were not in existence?

There was saying I learned while in the Army, "For those who have never fought for it, life has a flavor the protected will never know."

And yet, I noted one day, a bumper sticker that read, "No Rockets."

Why not, "No commercial boating in the Hanalei River, No commercial windsurfing at Anini beach, No Commercial kayaking at Polihale, and No commercial tours into Mohihi?"

WR83 (cont.)

It is not programs like the proposed SDI that threatens our island, it's the people on the island. If all the development had been stopped in the 1960's Kauai would not have the traffic problem that exists today. Same goes for the boating problems, and the other negative impact of activities on the North Shore.

In conclusion I approve of the SDI project and the activities of the PMRF. I also applaud their efforts at trying to be a vital part of our island economically, socially, and environmentally. I am sufficiently satisfied that the Draft EIS provides the assurances that our island is safe from the hazards brought to light by various activist organizations and individuals on Kauai.

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WR84

10 APRIL 1992
KOLOA, KAUAI - HAWAII

DEPUTY COMMANDER U.S.A.
CSSD-ENVY (D.R. GALLIEN)
P.O. BOX 1500
HUNTSVILLE, AL 35087-3801

RE: STAR WARS I AM FOR THIS PROJECT

FIRST, IN ORDER FOR THE UNITED STATES TO REMAIN FREE AND TO PURSUE IT'S GOALS IN THESE TROUBLED TIMES, IT MUST HAVE AT IT'S IMMEDIATE DISPOSAL A STRONG INTEGRATED MILITARY FORCE EQUIPPED WITH THE MOST MODERN AND UP TO DATE MILITARY HARDWARE WITH WHICH TO ACCOMPLISH ITS MISSION OF DEFENDING THESE UNITED STATES. THE STAR WARS PROGRAM, WITH ITS LATEST TECHNOLOGY AND EQUIPMENT, IS A STEP IN THAT DIRECTION. WHILE RUSSIA IS NO LONGER A MILITARY THREAT, THE SEVERAL BREAKAWAY COUNTRIES WITHIN THE SOVIET REPUBLIC, SOME ARMED WITH MILITARY NUCLEAR HARDWARE THAT ONCE BELONGED TO THE SOVIET UNION, ARE A THREAT TO WORLD PEACE. THEREFORE, SOPHISTICATED WEAPONS SYSTEMS, SUCH AS STAR WARS, ARE NECESSARY TOWARDS KEEPING AMERICA STRONG AND FREE IN THE YEARS THAT LIE AHEAD.

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WR84 (cont.)

SECONDLY, ON A MORE PERSONAL NOTE, THE STAR WARS PROGRAM AT PMRF MEANS EMPLOYMENT FOR MANY RESIDENTS OF KAUAI. KILL THE STAR WARS PROGRAM AND YOU WILL INEVITABLY ELIMINATE THE ALL TOO PRECIOUS JOBS WHICH PMRF PROVIDES THE MANY PEOPLE OF KAUAI. IF THE ISSUE IS THE POSSIBLE THREAT TO THE ENVIRONMENT, ONE SHOULD REMEMBER THAT IF WE LOSE THE NEXT WAR BECAUSE WE DID NOT HAVE THE RIGHT EQUIPMENT, THE ENVIRONMENT ON KAUAI WOULD HAVE VERY LITTLE MEANING AS WE WOULD NOT BE AROUND TO ENJOY IT. SO, IT'S BETTER TO "BITE THE BULLET" NOW, RATHER THAN LET AN ENEMY TAKE THIS LAND AWAY FROM US BECAUSE WE LOST A WAR - WHERE STAR WARS MIGHT HAVE MADE (A) THE DIFFERENCE.

PMRF = PACIFIC MISSILE RANGE FACILITY - BARKING SANDS
KEKAHA, KAUAI, HAWAII 96752-0128

Winona D. Barringer

WINONA D. BARRINGER
AMERICAN LEGION AUXILIARY
HI - KAUAI - UNIT 2
3113-D POIN RD.
KOLOA, HI 96756

2-92

WR85

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I'm very concerned about the future of Kauai. The island is already being the impact of people + cars + then by products of waste. The star wars program will only compound these problem much more. I am very very opposed to star wars on Kauai. Testing rockets that are 90 yrs. old from Kauai, the thought scares me. The ozone depletion is a very serious issue for us on Kauai, star wars will compound this problem. I also am very oppose to the hazardous chemicals that a star wars program would bring. Please stop it!

Name Becky Marshall

Address P.O. Box 1346 Hanalei HI 96746

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

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2-93

WR86

3-92

WRITTEN TESTIMONY:

ATTN: CSSD-EN-V (D.R. GALLIEN)

Hey - you know this is about the 20th letter I have written regarding your plans to test Polaris missiles on my homeland island - Kauai.

Once again I'm writing to tell you I do not support this program.

I have attended every informational session + have reviewed all the materials concerning this program + I continue to come to the same conclusion: this project makes absolutely no sense. The test results are inconclusive + if this is an indication of how the program will be implemented then there is certain to be a tragic accident which would contaminate this irreplaceable little island.

One accident is too many! The pristine environment which exist on Kauai today can not be matched in most of this already polluted earth.

So keep these toxic chemicals off of the Garden Island. And for that matter please figure out how to recycle all your programs because the time for peace is now!

(Registered voter)
LAUREA McCLUSTON
P.O. Box 753
KAPA'A, HI
96746

Sincerely,
Laurea McCluston

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NANI ROGERS
4702 MAILIHUNA ROAD
KAPAA, KAUAI, HAWAII
96746

My name is Nani Rogers and I am a Kanaka maoli. Kaua'i is the only place I can call home.

I was raised to respect and to believe in the American way, and to do whatever they tell us to do. Well, I am sorry to say that after 52 years, I have finally opened my eyes to the truth. It's all a big farce. The U.S. government and military will do whatever they feel like doing, with no consideration for people of the nation. I no longer trust and respect our government.

I want to be logged in the records that will be tallied for a count of people for and against as totally NOT for rocket testing on Kauai. Please for once, do not turn a deaf ear to our concerns, we are not ignorant to your ways, in fact, we're used to it, you've made us this way. You've been deaf to our needs and concerns ever since you overthrew our government of Hawaii and put our Queen in jail almost one hundred years ago. When are you finally going to ADMIT your BREACH OF TRUST and APOLOGIZE to our Hawaiian people? There are many valid and sensible reasons, as evidenced in previous testimonies tonight, that this Draft EIS is "EMPTY PROMISES OF SAFETY". You have complied to do this to make yourselves look like you really care, but its just a ploy to fool the people. You still have every intention to go on with the program.

All you people with yellow shirts, when are you going to get the message right? Your jobs are not in jeopardy, just maybe your island? or maybe your lives and lives of your children?

If you think the military would never do anything to harm you or your family, then you better take a good look at the native people, our Polynesian cousins that live on Ebeye Island. The military Stars program did that to them or what about the US Marines that arrested our Queen Liliuokalani and took our sovereignty from us. Wake up people, your family is in worse jeopardy than lost jobs.

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Page 2 - Nani Rogers' testimony
STARS hearing

STARS is something not in harmony with our island life. It is not "Pono", in perfect order. Without "Pono" our land cannot be perpetuated in righteousness as stated in our Hawaiian Motto, "UA MAU KE EA O KA AINA I KA PONO." (The life of the land is perpetuated in righteousness.)

Therefore, I will not beg, I will not ask, but I will demand that no further moves be made towards rocket testing on Kauai until all environmental issues are better reviewed, the Hawaiian lands issues are scrutinized and addressed and the people of PMRF be told the truth about their jobs, and the people of the Marshall Islands and Niihau be told that no rockets will not be aimed towards them. Believe me, we are NOT against PMRF, we value their work and their support to the people on the westside of the island. I speak in the name of PEACE. I truly believe it has to start somewhere, sometime so why not here on Kauai and why not NOW.

JUSTICE FOR THE HAWAIIAN PEOPLE!!!!!!!!!!

2-94

WR87 (cont.)

KA LĀHUI HAWAI'I
LEGISLATIVE RESOLUTION
November 8-11, 1991, Māui Session

Submitted by: Kāua'i Land Committee

TITLE: A RESOLUTION RELATING TO THE STAR ROCKETS
TESTING ON HAWAIIAN HOME LANDS, LOCATED AT
MĀNĀ, KAUAI

Whereas: This rocket facility uses Hawaiian Home Lands without due compensation for use of these lands; and


Whereas: There is a concern about environmental degradation due to rocket launches and injury to natural resources and life forms;

THEREFORE BE IT RESOLVED THAT:

Ka Lāhui Hawai'i opposes and bans this activity throughout the entire Hawaiian archipelago.

Certification

This is to certify that the above resolution was adopted pursuant to the authority vested in the Legislature.


Mililani B. Trask, Kia'āina
Ka Lāhui Hawai'i

JAN 11 1992
Date

Resolution #91-11-2

2-95

WR88

STICHTING GREENPEACE COUNCIL
GREENPEACE international

Keizersgracht 176
1016 DW Amsterdam
The Netherlands

Telephone (31) 20 5236555
Fax (31) 20 5236500
Telex 18775 GPINT NL

Date: April 9, 1992

To: Deputy Commander
US Army Strategic Defense Command
Attn: D.R. Gallien, CSSD-EN
P.O. Box 1500
Huntsville, AL 35807-3801

Fr: Martin Gotje
Greenpeace Pacific Campaign
Private Bag, Wellesley Street PO
Auckland, New Zealand
Ph. 64-9-776128 Fax 64-9-3032676

Re: Public Comment for draft EIS of the Strategic Target System (STARS)

STARS IS OBSOLETE

The Greenpeace Pacific Campaign is firmly opposed to the proposed STARS launches from Kauai.

Without an enemy there is no need for imaginary war scenarios like SDI and GPALS and the development of exotic weapon systems like Brilliant Pebbles, GBI, THAAD, ERINT, E2I, ERIS, GBR and Brilliant Eyes, for which STARS is the target.

Since no third world ballistic missiles can presently reach the US continent and targets between superpowers don't exist anymore, there is no military reason for STARS launches and the environmental damage, however small, especially to the atmosphere is unacceptable.

WHO IS THE ENEMY

The proliferation of nuclear weapons and missiles to the third world will not be stopped by the continued development of missile defense and further refinement of offensive weapons.

STARS, the Strategic Target System, simulates an offensive missile force from an undefined enemy.

Who is the enemy?

Who will push the button to launch the real STARS?

GREENPEACE OFFICES: ARGENTINA, AUSTRALIA, AUSTRIA, BELGIUM, CANADA, COSTA RICA, DENMARK, FRANCE, GERMANY, GREECE, HOLLAND, IRELAND, ITALY, JAPAN, KOREA, MEXICO, NETHERLANDS, NEW ZEALAND, NORWAY, SPAIN, SWEDEN, SWITZERLAND, UNITED KINGDOM, UNITED STATES OF AMERICA, WEST GERMANY, WORLD HEADQUARTERS, ANTWERP, B.R.

INSENSITIVE TOWARDS PACIFIC CULTURE

It is culturally inappropriate to launch from Nohili Dunes, which is the most sacred spot on Kauai for native Hawaiians and compares in cultural sensitivity with launches from the National cemetery in Arlington, Virginia.

The impact area for STARS is only a short distance north of Rongelap Atoll and a big snub to the people of Rongelap, who were forced to evacuate their land for the future of their children, because of serious contamination from previous atmospheric nuclear tests.

For the Pacific people their ocean is the greatest asset and their survival. It is wrong to use that ocean for the development of destructive weapons, to contaminate its environment and to make island nation economy depended on that activity.

The weapons are not designed to defend the Pacific, while the Pacific people have to pay the price of a degraded environment.

Previously the Minuteman I was used as a delivery vehicle for target payloads and launched from Vandenberg AFB in California until their numbers ran out.

Around 500 Minuteman II missiles will become obsolete after the latest armscut proposals.

Why is STARS still necessary when around 500 nearly similar missiles to the MM I are shortly available?

Is it because it's better to pollute the Pacific environment, rather than the Californian?

ENVIRONMENTAL BRAIN DRAIN

Too many talented scientists, who work on STARS and its related strategic and tactical defense programs, are drawn away from finding solutions to many immediate environmental problems like climate change, global warming and ozone depletion. A brain drain from the environment.

It is dangerous to have too many scientists, who know nothing else than how to develop and manufacture weapon systems.

R & D has to concentrate on environmental problems instead of defense, which already has an abundance in weapon systems and has lost its rationale for new ones.

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MISSILE PROLIFERATION

STARS adds to environmental problems and assumes an increase in ballistic missile threats from third world countries.

Non Proliferation is best served by full implementation of existing international nuclear disarmament treaties, the negotiation of a Comprehensive Test Ban treaty, the creation of an International Space Launch Agency, a ban on Missile Tests and prevention of missile technology transfers.

STARS, ANOTHER OZONE DEPLETER

The depletion of the ozone layer is one of our greatest environmental threats. Even if we stop the use of all ozone depleting products now, the process of depletion will continue.

It is an act of great irresponsibility and disrespect for life by the Strategic Defense Command to release Freon 114B2, a brominated fluorocarbon, straight into the stratosphere, where its depleting potential is the greatest.

The environmental dangers from these activities are greater than the possibility of any country attacking the USA, the very reason for which STARS missiles are required.

The United Kingdom Stratospheric Ozone Review Group concludes in its "Stratospheric Ozone 1990" report to the Department of the Environment and the Meteorological Office that bromine has a much greater potential than chlorine to act as a catalyst for the removal of ozone throughout the stratosphere.

Currently 20-30% of the Antarctic ozone depletion is attributed to bromine and there is concern that bromine may be even more important for ozone loss in the northern hemisphere in the future.

There is also enough evidence that exhaust gases from thousands of solid fuel rocket launches destroy the ozone layer. The US Space Command in Colorado Springs estimate 1500 launches of all types in 1989 alone.

In March 1990, a panel of the National Research Council of the National Academy of Sciences, which advises the Federal Government, called for a switch to liquid propellants, saying this would eliminate rocket-born pollution of the atmosphere.

4

ROCKETS, FUEL AND TOXIC WASTE

The manufacture, testing, launching, refurbishing and dismantling of rockets and missiles is according to many records a very toxic business, which will require billions of dollars to clean up.

Aerojet and Hill Airforce base are both on the Superfund National Priorities List. United Technologies Rocket plant threatens a nearby public reservoir with carcinogenic trichloroethylene (TCE) leaks and burns solid rocket propellant in open pits.

No assesment has been made as to how the Polaris A-3 rocket motors will be refurbished. Will the solid fuel be replaced and if so what will happen to the old fuel? Will it be burned in open pits at United Technologies as has been the standard practise?

More than 1500 US DOD sites have been recognised to contain toxic waste and according to a 1989 department estimate DOD continues to generate 900 million pounds of hazardous waste annually, yet environmental restoration is only 0.4% of its total budget.

The GAO report on toxic wastes from 600 overseas US bases has been classified, an indication that the problems are serious.

How can a proper EIS be issued, when previous malpractices are classified and the public won't know what the real consequences of the military toxic problems are.

The US military is the worst single polluter in the world, yet secrecy clouds the real consequences on the pretext of national security.

The biggest threat to the future planet is a degraded environment. National security is best served by cleaning up the mess, instead of adding to the problems.

DEBRIS IN THE OCEAN

There has yet been no environmental impact statement on the dumping of debris from missiles in the Pacific Ocean.

Since the SDC makes no attempt to retrieve the debris, this has to be classified as dumping.

The STARS missile and payload will be destroyed when there is a system malfunction and most debris will then subsequently be dumped into the ocean.

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Success or failure, the 1st, 2nd, 3rd stage and the payload of the target missile are dumped into the Pacific Ocean, as are the parts of the defensive missile, which will be launched against STARS.

The "Convention on the Prevention of Marine Pollution by Dumping of Wastes and other Matter", the so-called London Dumping Convention from 1972 recognises that the capacity of the sea to assimilate wastes and render them harmless, and its ability to regenerate natural resources, is not unlimited.

The EIS should state the exact content of the debris, quantities and how much this will add to debris previously dumped during missile tests.

Thousands of missile tests have taken place in the Pacific and each time, solid and/or liquid waste is dumped in the ocean, without a statement on the environmental impact.

NOTICE TO MARINERS

There is a standard practise to issue Notices to Mariners during missile tests, which usually only indicate the impact areas for missile stages and payloads.

How do Mariners know when a missile is destructed in flight and where the resulting debris will come down?

A warning zone for the complete flight path should be issued to ensure safety, because potential debris could be dumped into the sea over the entire area from launch to impact.

CONCLUSION

STARS is of no strategic importance, it will damage the atmospheric, land and ocean environment, it is insensitive to Hawaii, it will continue the reliance of the Marshall Islands economy on US missile tests, it creates a warzone on the free high seas and endangers our common future generation.

Sincerely,

Martin Gotje

8

2-97

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LEI KALAMAU
President
MICHAEL MOOK
V-President
SUE ANN K. CHAR
Secretary
KEOKA KALAMAU
Treasurer
PATRICK LICAYAN JR.
Sgt.-At-Arms



"E Iiama Kakou Me Kealoha Pimehana Na Kanalii"
(We work for the love of our children)
P.O. Box 1104
Waimea, HI 96796
Telephone: (808) 335-3637

March 25, 1992

STAR WARS PUBLIC HEARING

WRITTEN TESTIMONY

Kauai War Memorial Convention Hall

BOARD OF DIRECTORS

JOHN KAAUMOANA
JENNIE KEUMA
EMALJA LICAYAN
ABRAHAM NIAU
SONNY A. NIAU
REBECCA NIHEU

My name is Mrs. Lei Kalamau, a Native Hawaiian on the Dept. of Hawaiian Homelands (DHHL) Waiting List and President of the Aboriginal Native Hawaiian Association, Mokupuni O Kaua'i A Me Niihau. I'd like to ask everyone here tonight to forgive me if I hurt anybody's feelings in the past or in the future. I'll try to be more careful from this day forward.

This is the purpose of the Hawaiian Homes Commission Act, 1920 as stated in the Hawaii Revised Statutes, 1991 Supplement, Volume 1, Title 1A:

PURPOSE: "The Congress of the United States and the State of Hawaii declare that the policy of this Act is to enable native Hawaiians to return to their lands in order to fully support self-sufficiency for native Hawaiians and the self-determination of native Hawaiians in the administration of this Act, and the preservation of the values, traditions, and culture of native Hawaiians."

We make up a group of native Hawaiians from West Kauai and Niihau who are waiting their turn to become home owners and pay our rent to our own mortgage.

Our parents not rich enough to let us \$10 to \$20 thousand dollars to make a down payment to buy our own home. Our upbringing was so different from you who are so fortunate to own your own homes. So we have to rely on DHHL as our last chance of owning our homes. Right now, we have no opinions or solid facts for us to shift gears in to Sovereignty. So we have to stick with DHHL.

Some of us are on Medicaid, but so what. They have their reasons. Who are we to say "Go work", when we don't know why they're on Medicaid anyway. I pay Federal and State income taxes too. If they need the money, they need the money, only God knows why. I let Him judge them. But these people are my friends, and I know deep in my heart they need the money. Those who are mis-using Medicaid, their conscience will tell them so. But I work hard to help, and that's all I need to know.

My family live in Hanapepe. I work in Waimea. My family consist of my husband and I as we have no children. I consider myself an aunty to any

Page 2
Star Wars Public Hearing
Written Testimony
Kauai War Memorial Convention Hall
March 25, 1992

other child or young adult I come in contact with, because of their fresh young lives ahead of them. I want to help them live a fruitful life and give them hope for their future. I made my mistakes, so I want to help them avoid unnecessary waste of their time. If I accomplish this tonight, then my work upon this earth will have never been in vain.

(NOTE: At this point, I was halted from proceeding with my testimony as my 3 minute time limit had been met.)

June 1990 I testified at Kekaha Neighborhood Center Star Wars Public Hearing. Commander McFeely at the time was in attendance. I came away feeling that employees had nothing to worry about. The Star Wars program would have no effect on PMRF. I testified that I didn't want missiles to come to my house if I was to be awarded land above Polihale. That location is where the available lands are for DHHL West Kauai and Niihau eligible native Hawaiians. Way, way inside. We don't want to live at Anahola because our lifestyle is on the westside.

A few months ago, we went before the Kauai County Council to testify and we found that a missile that should have landed near or on Ka'ala Rock, landed near or on Niihau. My friend was there on Niihau at the time so I believe him.

A few days or a week after that testimony, those who are for the Star Wars program went to testify before the County Council that Star Wars program should be permitted to come here.

So I called DHHL and expressed to them this Star Wars issue to them, and suggested they investigate available lands in Waimea, Hanapepe, Kalaheo and as far as Lawai maybe, just so the employees at PMRF won't be so fearful of losing their jobs. I expressed to DHHL that it is not our intention to make trouble, we have to live together with each other. And so we and DHHL are still keeping in touch.

If the employees at PMRF fear losing their jobs, be assured there will be a rippling effect in Waimea. And that's me too. I love my job. For months I worked late so I could keep my desk clear. I never claimed overtime pay unless it was approved prior to working late. For two reasons, the practice of working late had to be terminated. Those reasons do not come from me, for if I could, I would continue to work late. That's how much I love my job.

March 18, 1992 Kauai Times. PMRF's Commanding Officer Capt. Robert Mullins states, "To speculate that cancellation of the STARS program for whatever reason would have the drastic effect of leading directly to closure of PMRF would be overstated. The future of STARS and the future of PMRF are separate issues."

If so many employees fear losing their jobs, then Commander McFeely and Commander Mullins were lying to the newspapers when they say STARS have no effect on PMRF.

WR89 (cont.)

Page 3
Star Wars Public Hearing
Written Testimony
Kauai War Memorial Convention Hall
March 25, 1992

That's how I received my information, that no one was going to lose their jobs. I appreciate the Commanders said nothing of jobs, but the intimation that closure of PMRF says to me, my friends will still work at PMRF because PMRF is not going to close at this time, because of Star Wars.

I believe the Commanders. So with my Aloha Spirit, if that's what they said, I aloha'd them and take them at their word. If they lying, see how hard the next time they tell me something, I not going believe them. I not going believe Senator Inouye's Press Secretary in Washington too. Same when the Army has statistics showing not too much missile mistakes, but my friend saw that missile mistake with his own eyes, so to this day, hard to believe the Army or Navy. That incident is so well imprinted in the minds of those young children at the time, to this day, they can still remember the effect of that missile mistake. It's like being raped as a child and still feel the hurt as an adult. So we live by the words you tell, and we give our aloha to Commanders McFeeley and Mullins, Senator Inouye's Press Secretary. We are careful because it's very hard to give our aloha away a second time around, although we are taught to forgive otherwise how can Father in Heaven and His Son, Jesus Christ forgive us.

Somebody has to clear these two different versions of 'not losing their jobs' and 'losing their jobs' because these stories don't match. Which story is fact and which story is opinion?

A question was asked last night that bothered me to this moment:
WHAT DO YOU HAVE TO OFFER US?

This question referred to we who are opposed to Star Wars. If in case employees lost their jobs, what have we to offer the employees.

HOW ABOUT GOING HOME TO WHERE YOU WERE BORN?

We on the DHHL Waiting List West Kauai and Niihau had every intention to work along side the Homesteaders who have their home in Kekaha and Anahola. But when we were told we cannot vote because we are not leasees, we can come and listen, maybe have voice, then take this information back to our membership, we had no choice but to separate ourselves so that we could make a difference with our vote. Homesteaders also said when they were on the Waiting List like us, they had to wait 10, 20 years until they got awarded lands. Can you Homesteaders honestly ask yourselves, do we have 10, 20 years to wait like you did? Are you asking, no TELLING we adults, our children, our young adults they have to wait because you Homesteaders had to wait? Is time an element we can play around with anymore? If I ever become a Homesteader like you, I will never stay in my home and make Waiting List eligible, native Hawaiians, like you, wait because of the attitudes you have toward us. You can be sure, I'll be out there helping those on the Waiting List as we now are doing to accomplish the awarding of DHHL lands. This Hawaii is where we were born too, this is where we belong.

WR89 (cont.)

Page 4
Star Wars Public Hearing
Written Testimony
Kauai War Memorial Convention Hall
March 25, 1992

So back to the question, "WHAT DO YOU HAVE TO OFFER US? when our own people separate us from having our own home too?"

President Bush is no help. Mr. Francis L. Harjo, Executive Director, National Commission on American Indian, Alaska Native and Native Hawaiian Housing in Washington D.C. submitted a proposal to request from Pres. Bush to include in his budget, funds to send to DHHL. Evidently native Hawaiians do not score as high on his budget list as do the Billions of Dollars that go to Military Programs.

Congress is no help. Governor Waihee, DHHL Director Hoaliku Drake, SCHHA Chairman Kamaki Kanahale, Senators Inouye and Akaka, Mililani Trask went to Washington D.C., February 6, 1992 to testify and remind the Congress of United States of the purpose of the Hawaiian Homes Commission Act, 1920; the responsibility of Congress towards this Act; and request money for DHHL. If cannot fund DHHL, my suggestion is then, throw away the Hawaiian Homes Commission Act, 1920, get all the Homesteaders out of their homes, off the land, and ALL native Hawaiians start brand new. No native Hawaiian definition, no DHHL, no discrimination. My parents, brothers, sisters, nieces, nephews, unty's, uncle's, cousin's, DHHL Waiting List Applicants become HOMELESS!!!!!!

But history tells on January 17, 1893, Queen Liliuokalani had to give up her throne. You cannot erase that nor can you erase the haule sugar planters and Honolulu Businessmen taking control of the affairs of the monarchy because the Queen would restore some of the former monarchical powers of the rulers of Hawaii that was now the cause of increasing concern among the foreign element. The connivance of Queen Liliuokalani's dethronement left the real casualty to the Hawaiian people.

Following the Hawaii Delegation testimony in Washington D.C., the Dept. of Interior declared funding DHHL is DISCRIMINATION.

And my friend who asked the question, "WHAT DO YOU HAVE TO OFFER US?" He live on Hawaiian Homestead land, is Caucasian (Haule), his wife a leasee (or his mother-in law), they have a beautiful home on that land, while we still wait on the DHHL Waiting List. My friend, I love you, your family, your group you represented and I don't mean to pick on you, but, we too, on the Waiting List are hurt, fed up, angry because we cannot have what you have, our own home too, on Hawaiian Homestead land.

In conclusion, the DHHL has been in existence for 70 + years. How can and why should you expect us to allow you to expand your programs to include Star Wars on Kauai when we on the DHHL Waiting List cannot get a parcel of land for each eligible native Hawaiian on Kauai.

WR89 (cont.)

Page 5
Star Wars Public Hearing
Written Testimony
Kauai War Memorial Convention Hall
March 25, 1992

Why should we allow a piece of steel metal take precedence over we human native Hawaiians born in Hawaii. Don't you know God created this earth for the habitation of His children, not the habitation of steel metal like that missile? The Congress of the United States and President Bush is withholding funds to DHHL, who can develop lands and enable native Hawaiians to return to their lands. BUT THE MISSILE MORE IMPORTANT?

WHAT DO YOU HAVE TO OFFER US?

How about more than 3 minutes to bear a full testimony as this one?

Why don't you help us tell President Bush don't be stingy, release the funds to DHHL for the native Hawaiian people and all other natives that have been abused in their own homeland by the United States Government?

Why don't you help us tell Congress and the Dept. of Interior if DHHL is discriminatory, they inherited the deeds of previous administrations that caused this discrimination. either they go forward and fund this discrimination practice or they discontinue it and get all the Homesteaders off the land so that we ALL don't have land. My great OHANA of native Hawaiians and myself end up homeless in our own land of Hawaii.

Why don't you tell those Homesteaders that we have our own mouth to talk for ourselves and just because you are a leasee, doesn't mean you have some kind of power over us. Our vote is important, we are important, we have native Hawaiian blood running through our veins too.

Captain Mullins, you are a nice man. Your statement however has no guarantee as felt by employees who fear losing their jobs. Missiles making no mistakes are not a guarantee. DHHL funding to Kauai and Niihau Waiting List Applicants is not a guarantee, SOON. You know what is guaranteed? DYING AND PUTTING THE STAR WARS PROGRAM, THAT IMPORTANT MISSILE ON PMRF.

The day an unfriendly missile drop down on Kauai or Niihau, Kwajalein Atoll, Ebeye Island, Marshall Islands, would definitely put an end to all of our miseries, trials and tribulations. And then can I express to my Father in Heaven, "I GAVE IT MY BEST SHOT!"

I submit this testimony to the world in the name of Jesus Christ, Amen.

Respectfully submitted,

Mrs. Lei Kalamau

Mrs. Lei Kalamau
President

2-100

WR90

April 10, 1992

COMMENTS ON THE DRAFT ENVIRONMENTAL IMPACT STATEMENT
FOR THE STRATEGIC TARGET SYSTEM (STARS)

These comments deal with the alternatives mentioned in section 2.3 and are additions to my comments of March 7, 1992. Two alternatives involving launches of Minuteman boosters from Vandenberg Air Force Base should be discussed in more detail.

1) On page 2-37 it is stated that, "Minuteman I and II boosters have START Treaty limitations along with the Poseidon C-3. Furthermore, these boosters would have to be modified to meet all the mission performance criteria." Minuteman boosters have been used in the past and as recently as March of 1992 to launch simulated ICBM warheads from Vandenberg to Kwajalein so apparently it is possible to modify them to launch experiments planned for STARS. There should be some discussion of the specific START provisions that would preclude using Minuteman I and II boosters for STARS and an explanation why these limitations did not affect previous Minuteman launches. (Recent press reports indicate that U.S. Air Force officials are investigating the use of Minuteman II rocket motors to launch objects for SDI experiments.) It should also be indicated how many Minuteman I and II boosters would be available for STARS.

2) Use of Minuteman III boosters for STARS is rejected because "test objects would not be able to transmit encrypted information when flown on a Minuteman III." More discussion is needed about the treaty provision which prohibits this for Minuteman III but allows it for Polaris. In addition, it should be explained why the information needs to be encrypted and how difficult it would be to transmit the information in a treaty-compliant manner.

Michael Jones

Michael Jones
Dept. of Physics and Astronomy
Univ. of Hawaii
2505 Correa Road
Honolulu, Hawaii 96822

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WR91

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I do not approve of missile testing on this island.

I question the number of jobs to be gained here. I think they will be mostly skilled (or should be!) and where are these people on this island?

Name Steve Kurasaki
Address 2781 Huna Lihue, HI 96766
Street Address City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

1

2-101

WR92

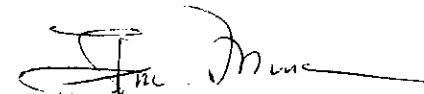
P.O. BOX 165
PUHI, HI 96766
APRIL 11, 1992

DEAR SIRs:

I DO NOT SUPPORT "STAR WARS" TESTING BUT I DO SUPPORT PMRF.

SINCERELY,

FLOIRA MINICAI



1

WR93

4/10/92

To whom it may concern -
 I am for PMRF however, I am
 against Star Wars.

1

Rec'd m.c.c.
 Ronald M. Cda
 Box 1776
 Lihue, HI. 96766

2-102

WR94

Written Comment Sheet

**Strategic Target System
 Draft Environmental Impact Statement**

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I am visiting Kauai from Britain for
 three months. I have travelled around
 the world and find Kauai one of the
 most beautiful, unspoilt places. I was
 horrified to hear of your plans to
 use this gorgeous island as a
 rocket launching base.

People are homeless and starving in
 America. Your economy is collapsing,
 as it is in Britain. How can you ever
 justify spending money on "Star Wars"?

As Gorbachev was quoted saying in
 "Time" magazine: "It is Star Peace we
 need; not Star Wars!"

Name Marilyn Barry
 Address 4178 Hili Street, Lihue, Kauai, HI
Street Address City/State/Zip Code
96766.

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Please hand this form in or mail by April 13, 1992 to:
 Deputy Commander
 U.S. Army Strategic Defense Command
 Attention: CSSD-EN-V (D.R. Gallien)
 P.O. Box 1500
 Huntsville, Alabama 35807-3801

WR95

Written Comment Sheet

Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I AM FULLY OPPOSED TO STARS ON KAWAI.
I HAVE READ THE DRAFT EIS AND FIND A
97% ACCIDENT RISK PER LAUNCH VERY UN-
ACCEPTABLE. THE RISK TO THIS ISLAND ON
AN ECOLOGICAL & HUMANITARIAN LEVEL ~~THE~~
CAUSE IS SOMETHING THAT SHOULD BE CONSIDERED
IF THIS PROGRAM CAME INTO EFFECT. IT WOULD
BE A SEVERE SHAME TO SEE ONE OF
THE UNITED STATES MOST PRECIOUS GEMS
(THE ISLAND OF KAWAI) BECOME A LAUNCH
SITE, FOR US AND OUR CHILDREN.

Name Kathy McLeod-Cowan
Address PO Box 627 Kapaa HI 96746

Street Address

City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallen)
P.O. Box 1500
Huntsville, Alabama 35807-3801

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2-103

WR96

Written Comment Sheet

Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I have read the Draft EIS and find 11%
accident risk per launch UNACCEPTABLE.

As a resident of Kapaa for 15 years and
mother of 2 small children, I am
opposed to STARS on Kawai and
appalled that it is being considered
on an island of this population.

- Sally French

1071 MOANAKA RD
KAWAI, HI 96746

Name Sally French
Address 1071 Moanaka Rd. 96746

Street Address

City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallen)
P.O. Box 1500
Huntsville, Alabama 35807-3801

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FORM 8-83 (2)

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

TABLE 2-3 "SUMMARY OF ENVIRONMENTAL IMPACTS..." ON PP 2-39 & 40 IN THE DRAFT EIS FOR THE STRATEGIC TARGET SYSTEM IS NOT QUANTITATIVE AND APPEARS TO BE INTENTIONALLY VAGUE. THE ASSERTION THAT THERE ARE "NO SIGNIFICANT IMPACTS..." TO GEOLOGY & SOILS, WATER RESOURCES, AIR QUALITY, BIOLOGICAL RESOURCES, CULTURAL RESOURCES, LAND USE, VISUAL RESOURCES, NOISE, HAZARDOUS MATERIALS & WASTE, PUBLIC HEALTH & SAFETY, INFRASTRUCTURE AND SOCIOECONOMICS IS OBVIOUSLY A TIDY BUSH CALL ON THE PART OF THE U.S. ARMY STRATEGIC DEFENSE COMMAND, AND DOES NOT APPEAR TO BE BASED ON ANY QUANTIFICATION OF IMPACT, PARTICULARLY IN CASE OF AN ACCIDENT. THIS LACK OF QUANTIFICATION OF IMPACT INSULTS THE INTELLIGENCE OF MYSELF AND PEOPLE ON THIS ISLAND. QUANTIFICATION OF IMPACT ALONG WITH A COMPARISON TO A BASELINE IS NEEDED FOR EACH ENVIRONMENTAL RESOURCE.

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THE ONLY SPECIFIC QUANTIFICATION THAT WE CAN ATTACH SIGNIFICANCE TO IN THIS DOCUMENT IS THE CLAIMED OVERALL SYSTEM RELIABILITY OF 97% FOR THE BOOSTER RELIABILITY ON PAGES 4-53. (WHAT IS INTERESTING ABOUT THIS IS THAT THE CONSEQUENTIAL OVERALL PROGRAM RELIABILITY FOR 40 TEST LAUNCHES IS THEREFORE $(97\%)^{40} = 3.0\%$, USING A SIMPLE CALCULATION OF PROBABILITY OF SUCCESS $(97\%$ MULTIPLIED TO THE 40TH POWER) FOR ALL LAUNCHES IN THE PROGRAM. THIS MEANS THERE IS A CONSEQUENTIAL 70% PROBABILITY OF AT LEAST ONE ACCIDENT OCCURRING OVER THE COURSE OF THE PROGRAM. I BELIEVE THIS TO BE AN UNACCEPTABLE LEVEL OF RISK TO THE ISLAND OF KAUAI, BASED ON ANY REASONABLE PERSONAL CRITERIA.

2

Name Yvette Bambar
Address 3695 WANA ROAD KALANEO, HI 96741
Street Address City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

2-104

IT'S JUST JINXED
There's nothing wrong with this rocket...

Editor's Note: The following is taken from an article written by Loupoc Record's staff writer David Jackson. The California newspaper is located in a town near Vandenberg Air Force Base and describes a March 13 Strategic Defense Initiative test flop — the second in as many tries. SDI-S

Maybe this missile was jinxed.

In January the Air Force tried to launch a Minuteman 1 from Vandenberg Air Force Base to support a Strategic Defense Initiative test. The countdown reached "two, one, zero," but nothing happened. Like a firecracker that turns out to be a dud, the missile didn't bud.

The Minuteman, a surplus nuclear missile that was retired in 1974, was shipped to a troubleshooting facility at Hill Air Force Base, Utah, where the Air Force spent two months and \$150,000 to pinpoint the blame and replace the suspect parts.

On Friday, the Minuteman was back in its north Vandenberg launch facility and officials again counted down to zero. This time the missile responded with a vengeance, spitting out flames and issuing a loud roar that echoed through the small valley below.

The missile sped into the clouds in what appeared to be a successful launch. But a little over 20 minutes later, when an interceptor missile launched from Kwajalein Missile Range in the mid-Pacific was due to collide with the Minuteman's mock nuclear warhead, something went wrong. The two projectiles apparently sped past each other without touching.

Jackson told the Kawai Times that he doesn't know where the two projectiles landed. But he does know that about a week later military sources were calling the launch flawless.

Friday's launch "really went off without a hitch," said James Katechis, manager of the Ground Based Interceptor program. Katechis said the interceptor worked properly and would have homed in on its target if crew members had designed the test correctly.

Katechis admitted that the test failure may add further damage to the SDI program's image just as the Bush administration is asking Congress to increase SDI funding 31 percent to \$5.4 billion. But Katechis argued that the test should be viewed as a partial success.

"I think it was not a major failure, but obviously the proof of the pudding is an intercept," he said.

Katechis told Associated Press reporters that he'd like at least one additional flight test to prove that the test (in development for six years at a cost of \$300 million) can run, not just stand up and walk. Then he apologized for the whole thing.

The mishap is "part of a continuing trend of test failures in the SDI program that I would think has got to be getting worrisome," said Matt Bunn, a spokesperson for the Arms Control Association in Washington.

SDI has experienced three test failures in the past year and one scrubbed mission, Bunn said. In addition, Israel experienced two failures last year of the Arrow system, which is similar to SDI and is partially funded by the U.S., he said.

"I would say that this is both politically and technically damaging at a moment when the program is at a political crossroads," Bunn said.

Bunn is a top engineer with Lockheed, a contractor in the SDI program.

The interceptor project is central to the Pentagon's plans to deploy sets of ground-based interceptors near Grand Forks, N.D., and possibly at other U.S. locations to protect the population from a limited missile attack. The Pentagon wants to get the first interceptors deployed by about 1997.

That's the report from the Loupoc Record, March 13, 1992. Expect similar reports from the Kawai Times if STARS/SDI and SDI get a second here.

WR98

April 8, 1992

Senator Inouye & Mr. Gallien,

This is a letter of protest against the SDI (STARS) program being considered at PMRF on the Hawaiian island of Kauai. This world, this country, and, more specifically, the island of Kauai does not need SDI research. That such a project is potentially dangerous is a given; why else would the remote island of Kauai be considered as a location is this were not the case?

I personally would like to see that the current employees at PMRF continue to have worthwhile jobs there *without* adding the potential hazards inherent to the SDI program. In other words, I am not objecting to PMRF itself, just what is being proposed to occur there.

Once again, this letter is a protest against the SDI program. NO, not on this island, which is my home.

Sincerely,

Karime M. Farhat

*Karime M. Farhat
1711 Ahi Ahi Rd
Kapaa, HI 96746*

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2-105

WR99

April 8, 1992

Senator Inouye & Mr. Gallien,

This is a letter of protest against the SDI (STARS) program being considered at PMRF on the Hawaiian island of Kauai. This world, this country, and, more specifically, the island of Kauai does not need SDI research. That such a project is potentially dangerous is a given; why else would the remote island of Kauai be considered as a location is this were not the case?

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Once again, this letter is a protest against the SDI program. NO, not on this island, which is my home.

Sincerely,

Candace Jo Aoki
CANDACE JO AOKI
GENERAL DELIVERY
KAPAA, HI. 96746

1

FORMER BUREAU

WR100

April 8, 1992

Senator Inouye & Mr. Gallien,

This is a letter of protest against the SDI (STARS) program being considered at PMRF on the Hawaiian island of Kauai. This world, this country, and, more specifically, the island of Kauai does not need SDI research. That such a project is potentially dangerous is a given; why else would the remote island of Kauai be considered as a location is this were not the case?

I personally would like to see that the current employees at PMRF continue to have worthwhile jobs there *without* adding the potential hazards inherent to the SDI program. In other words, I am not objecting to PMRF itself, just what is being proposed to occur there.

Once again, this letter is a protest against the SDI program. NO, not on this island, which is my home.

Sincerely,

Paul Flessa

PAUL FLESSA
4480 AIA RD
KAPAA, KAUAI, HI
96746

1

2-106

WR101

IRAJA SIVADAS P. O. BOX 607 HANAPEPE HAWAII 96716

Tue, Apr 7, 1992

Dear Senator Inouye:

As a two tour of duty Vietnam veteran, I feel it is my duty to express a threat to our national security. That threat is the STARS project. The possible threat of incoming missiles does not compare to the known threat of the damage done by outbound missiles fired from our own country.

Not only is the STARS project proposed for Kauai a threat to the islands environment it is a 75 billion dollar threat to the citizens of these United States where in this economic atmosphere that money should be used to support the people of this country. Spend money on projects like Head Start, or the national Mayors plan to clean up the cities, or any plan that is directed towards building this country up, not on the destruction of the ecology of Kauai. Thank you for your time and work in the Senate. I know that as a veteran you will work for the true defense of this nation.

Sincerely,

Iraja Sivadas
Iraja Sivadas

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WR102

April 8, 1992

Senator Inouye & Mr. Gallien,

This is a letter of protest against the SDI (STARS) program being considered at PMRF on the Hawaiian island of Kauai. This world, this country, and, more specifically, the island of Kauai does not need SDI research. That such a project is potentially dangerous is a given; why else would the remote island of Kauai be considered as a location if this were not the case?

I personally would like to see that the current employees at PMRF continue to have worthwhile jobs there *without* adding the potential hazards inherent to the SDI program. In other words, I am not objecting to PMRF itself, just what is being proposed to occur there.

Once again, this letter is a protest against the SDI program. NO, not on this island, which is my home.

Sincerely,

Kimberley Hopkins

Kimberley Hopkins
5806 Lokela St.
Kapaa, HI. 96746

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WR103

April 7, 1992

To:
Senator Daniel Inouye &
Mr. Randy Gallien

I am expressing my concerns about the STARS issue on Kauai. I am against the proposal. While I am aware that our environment is already polluted with everyday emissions, exhaust & other pollutants, I feel that the emissions from the STARS rocket launches will add to the problem. I do not want beautiful Kauai, my home for 36 years, further damaged & polluted. Please take into consideration the feelings and wishes of most of the population of Kauai, to keep it as it is.

Sincerely,
Rene Muraoka
Rene Muraoka
P.O. Box 496
Honapepe, HI 96716

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2-107

WR104

Dear President Bush:

4-92

Please be advised as a small business man in the construction trade on the island of Kauai, I am totally against the launching of missiles on this small island of 50,000 people.

According to all the studies and reports, it has come to my attention that any launching of missiles is unsafe as well as dangerous to all people concerned with the environment and truly is disastrous to any and all people on the island and in the world.

Due to the changing world order, I feel that the money appropriated for this unworthy cause could be better spent on improving our world environment.

Thank you for your immediate attention to this matter.

Ralph Rubio
3667 Aiea Rd
Hauula, Kauai, Hawaii

1

2-108

WR105

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

April 4, 1992

Dear Mr. Gallien,

This letter is to let you how strongly I am opposed to the Stars Program on Kauai.

I understand the need for a strong defense and am NOT opposed to PMRF

However, after hearing of the AGE of these missiles and the high possibility of an accident; I can understand the militance of those opposed to these

launches. And would be willing to put my self on the line in demonstrations blocking their launches.

Please help us to stop these launches. Our Island is not the appropriate place to do these tests.

Sincerely,

Susan Gailey

Name Susan Gailey

Address PO Box 737, Kilauea, HI 96754

Street Address

City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35897-3211

1

April, '92

Mr. Gallien

As you know, we established our number one priority as survival as a nation with natural resources we can count on. Indeed life on our planet, for my lifetime we could become a barren wasteland.

I do not support the STARS program on any or anywhere else on earth.

I do support the people who work at P.M.R.F. They need to be productive. Resource management work should at the same time ensure their livelihood and our nations safety and good health.

Thank you,
Tim Andrus
TIM ANDRUS
Box 130
HAWAII 96754

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2-109

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

Attention Senator Inouye and Mr. Gallien,

We are writing to inform you that our family and friends are deeply concerned about the STARS project being located here on our island of Kawai.

While we do support PMRF our dissent is solely aimed at the Strategic Target System and the impending negative threat to thousands!

This small island cannot chance even the smallest mishap - the result, as you know, would be disastrous!

We beseech you to support and protect us from any hint of possible danger! Please bring to mind the definition of the word "ACCIDENT" -, "an unexpected misfortune" thank you

Address JAMES + DORRIE WINKLER, P.O. BOX 636, KILAUEA, KAWAI 96754

Street Address

City/State/Zip Code

Please hand this form in or mail by April 15, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CS6D-EN-V (D.R. Gallien)
P.O. Box 1300
Huntsville, Alabama 35807-3801

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WR108

2-110

To whom it may concern,
 As a registered voter in the County of Kauai, I am expressing my opposition to the testing of the "STARS" missile program at Berhing Sands. It is my opinion that this program is no longer necessary or feasible except to perpetuate plans which the military complex seems unwilling to revise. If such testing is deemed necessary, I feel that there must be someplace less vulnerable to ~~environmental~~ possible environmental ~~and~~ image, and safety problems than our island of Kauai.

Sincerely,

Edd Cook

P.O. Box 3917

Lihue, HI 96751

WR109

April 8, 1992

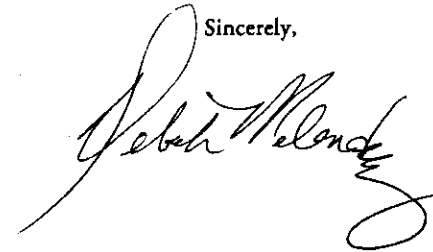
Senator Inouye & Mr. Gallien,

This is a letter of protest against the SDI (STARS) program being considered at PMRF on the Hawaiian island of Kauai. This world, this country, and, more specifically, the island of Kauai does not need SDI research. That such a project is potentially dangerous is a given; why else would the remote island of Kauai be considered as a location if this were not the case?

I personally would like to see that the current employees at PMRF continue to have worthwhile jobs there *without* adding the potential hazards inherent to the SDI program. In other words, I am not objecting to PMRF itself, just what is being proposed to occur there.

Once again, this letter is a protest against the SDI program. NO, not on this island, which is my home.

Sincerely,



Deborah Melendez
 P.O. BOX 3
 KEAHEA, HI 96751

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11811

WR110

April 8, 1992

Senator Inouye & Mr. Gallien,

This is a letter of protest against the SDI (STARS) program being considered at PMRF on the Hawaiian island of Kauai. This world, this country, and, more specifically, the island of Kauai does not need SDI research. That such a project is potentially dangerous is a given; why else would the remote island of Kauai be considered as a location if this were not the case?

I personally would like to see that the current employees at PMRF continue to have worthwhile jobs there *without* adding the potential hazards inherent to the SDI program. In other words, I am not objecting to PMRF itself, just what is being proposed to occur there.

Once again, this letter is a protest against the SDI program. NO, not on this island, which is my home.

Sincerely,

Manchelle Desautels
P.O. Box 129
Kapaa HI 96744

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WR111

April 7, 1992

To: Senator Daniel Inouye
and Mr. Randy Gallien

I am a student at Kauai Community college and am currently doing a research paper on the proposed missile launches at PMRF, Barking Sands. I have taken into consideration all the facts and as of today I am against the missile launching. Although I feel that we could benefit from some of the research done, I think it should be done somewhere else. After all Kauai is a beautiful island and not very big. Accidents do happen and it could have some drastic negative effects on our island.

Thank you,
Raquel Guerra
1420 Kaneohe Rd
Kapaa, HI 96746

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2-111

WR112

April 8, 1992

Senator Inouye & Mr. Gallien,

This is a letter of protest against the SDI (STARS) program being considered at PMRF on the Hawaiian island of Kauai. This world, this country, and, more specifically, the island of Kauai does not need SDI research. That such a project is potentially dangerous is a given; why else would the remote island of Kauai be considered as a location if this were not the case?

I personally would like to see that the current employees at PMRF continue to have worthwhile jobs there *without* adding the potential hazards inherent to the SDI program. In other words, I am not objecting to PMRF itself, just what is being proposed to occur there.

Once again, this letter is a protest against the SDI program. NO, not on this island, which is my home.

Sincerely,

TERI KOLDER
P.O. BOX 629
KAPAA 96746
KAUAI
HAWAII

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2-112

WR113

April 6, 1992

TO: The Honorable Senator Daniel Inouye
Mr. Randy Gallien

SUBJECT: Proposed STARS missile launches from Barking Sands to Kwajalein atoll

I am a Kauai resident, teach at Kauai Community College, have read a fair amount on the SDI issue, and am strongly opposed to the proposed use of Kauai's PMRF as a launching site for missiles connected with the STARS program.

Others have enumerated the shortcomings of the DEIS. My objection to the missile launches stems from my opposition to the SDI program itself. The "Star Wars" concept was built on an uncertainty, that the x-ray laser could effectively be used as an antiballistic weapon, an idea that physicist Edward Teller successfully sold President Reagan.¹ I don't think it is worth the billions of dollars that will have to be spent to test the idea. I believe a strong United States is predicated on the proposition that Americans be critical thinking, well-educated, have a strong moral sense and a strong work ethic, and live in a healthy economy. The Soviet Union was militarily strong, but we have all seen how easily it crumbled. Why don't we learn from what happened there?

I am not opposed to the PMRF being on Kauai. I am against the tactic of linking the STARS project with PMRF's continued presence on Kauai. This is a very underhanded means of getting a questionable project accepted.

Thank you for your attention.

Sincerely,

Joyce Nakahara
3176-A Akahi Street
Lihue, HI 96744

¹See for example, William J. Broad, Teller's War: The Top-Secret Story Behind The Star Wars Deception, Simon & Schuster.

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WR114

April 6, 1992

P.O. Box 676
Koloa, HI 96756

To: Honorable Senator Daniel Inouye
Mr. Randy Gallien

Gentleman,

I am writing this letter to express my thoughts against the proposed STARS missile program on the island of Kauai.

I am against the program for the following main reasons:

First, access to Polihale Beach, one of the island's pristine fishing and recreational areas, will be restricted a minimum of fifty six days per year.

Second, in case of a rocket failure, the Hawaiian homelands, as well as the pristine Na Pali area near PMRF could be seriously and irreversibly damaged.

Third, I do not believe either the twenty-year old refurbished Polaris missiles are safe, nor the 10,000 square foot ground hazard safety area is adequate.

Fourth, the 360 kilograms of freon these missiles will release into the atmosphere every year, for ten years, is too high to be acceptable, when the ozone layer has already decreased 10% over the island of Kauai according to NASA researchers. What good will a "Star Wars" shield do over our heads if we are all suffering from skin cancer, cataracts, and immune system damage?

Fifth, during this time of economic recession in our country, I do not feel we can afford to spend billions of dollars of research into SDI, and would like to see my tax money put into education and researching alternate forms of energy.

And finally, I do not agree with perpetuating Kwajalein island as a missile testing site, which is going against the will of the Kwajalein island people, and has forced the relocation of 10,000 on to a tiny atoll.

I support the continued existence of PMRF as one of the premier underwater fleet training sites in the country. But I do not support this one missile program.

Thank you for listening to my opinions.

Sincerely,



MARY EISER

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2-113

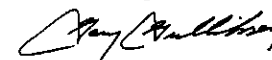
WR115

4/6/92

Senator Daniel Inouye and Mr. Randy Gallien:

I am writing this letter to inform you that I oppose the STARS missile launches from Barking Sands. I am concerned for Kauai and the future of its people and land. I do not believe these proposed launches are in the best interest of Kauai. Thank-you.

Sincerely-



Gary Gulliksen

P.O. Box 853

Lawai, HI.

96765

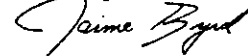
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4/6/92

Daniel Inouye and Randy Gallien:

Dear sirs, this is to inform you that I am against any and all STARS missile launches off the island of Kauai (or anywhere for that matter). Thank-you.

Sincerely-



Jaime Byrd

P.O. Box 853

Lawai, HI. 96765

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April 8, 1992

Dear Senator Daniel Inouye,

I support the 'No Action' alternative on the Draft E.I.S. of the U. S. Army concerning the firing of missiles from the Pacific Missile Range Facility on Kauai. I am strongly opposed to Star Wars testing on Kauai for the following reasons:

1. Our environment is our economy. One accident could have a devastating effect on our tourism and real estate revenues.
2. The effect on our ozone layer has not been properly addressed within your E.I.S. Brominated fluorocarbon, a by-product of launching missiles, has been shown to deplete the ozone in our atmosphere.
3. Nohili Dunes is a culturally significant area, inappropriate for use as a launching site.
4. I do not want my tax dollars to perpetrate human rights violations upon the people of Ebeys.

We understand that the employees of the Pacific Missile Range Facility have been threatened with the loss of their jobs if this program is not commenced. We have written to the U.S. Army requesting that the authorities please clarify this misconception immediately so that each P.M.R.F. employee may make a conscientious decision based on the true impact of the program, not under duress from fictitious threats.

Sincerely,

Kelani K. Kamae-Umana
Nani K. Kamae - HAWAII
 6927 Lekaia Pl.
 Kapaa, HI 96746

I would like to know why "mainland" missile testing facilities are surrounded by 100 miles of fenced land w/ no one allowed inside + PMRF, where these "old" missiles with likely age problems will be blown off, abuts a town. "Hard-right" will not be good enough here.

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April 8, 1992

Dear Senator Daniel Inouye,

I support the 'No Action' alternative on the Draft E.I.S. of the U. S. Army concerning the firing of missiles from the Pacific Missile Range Facility on Kauai. I am strongly opposed to Star Wars testing on Kauai for the following reasons:

1. Our environment is our economy. One accident could have a devastating effect on our tourism and real estate revenues.
2. The effect on our ozone layer has not been properly addressed within your E.I.S. Brominated fluorocarbon, a by-product of launching missiles, has been shown to deplete the ozone in our atmosphere.
3. Nohili Dunes is a culturally significant area, inappropriate for use as a launching site.
4. I do not want my tax dollars to perpetrate human rights violations upon the people of Ebeye.

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Sincerely,

Alison L. Dunn
P.O. Box 706
Hanalei, HI 96714

2-115

April 8, 1992

Dear Mr. Gallien,

I support the 'No Action' alternative on your Draft E.I.S. I am strongly opposed to Star Wars testing on Kauai for the following reasons:

1. Our environment is our economy. One accident could have a devastating effect on our tourism and real estate revenues.
2. The effect on our ozone layer has not been properly addressed within your E.I.S. Brominated fluorocarbon, a by-product of launching missiles, has been shown to deplete the ozone in our atmosphere.
3. Nohili Dunes is a culturally significant area, inappropriate for use as a launching site.
4. I do not want my tax dollars to perpetrate human rights violations upon the people of Ebeye.

We understand that the employees of the Pacific Missile Range Facility have been threatened with the loss of their jobs if this program is not commenced. Please clarify this misconception immediately so that each P.M.R.F. employee may make a conscientious decision based on the true impact of the program, not under duress from fictitious threats.

Sincerely,

Joseph Thompson
P.O. Box 3236
Princeville, Kauai, HI 96722

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WR120

April 8, 1992

Dear Mr. Gallien,

I support the 'No Action' alternative on your Draft E.I.S. I am strongly opposed to Star Wars testing on Kauai for the following reasons:

1. Our environment is our economy. One accident could have a devastating effect on our tourism and real estate revenues.
2. The effect on our ozone layer has not been properly addressed within your E.I.S. Brominated fluorocarbon, a by-product of launching missiles, has been shown to deplete the ozone in our atmosphere.
3. Nohii Dunes is a culturally significant area, inappropriate for use as a launching site.
4. I do not want my tax dollars to perpetrate human rights violations upon the people of Ebeye.

We understand that the employees of the Pacific Missile Range Facility have been threatened with the loss of their jobs if this program is not commenced. Please clarify this misconception immediately so that each P.M.R.F. employee may make a conscientious decision based on the true impact of the program, not under duress from fictitious threats.

Sincerely,

Valerie Williams

Valerie Williams
4796 Pelehu Road
Kapa'a, HI 96746-1851

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WR121

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I AM TOTALLY AGAINST STAR WARS

1

Name

Address

Street Address

City/State/Zip Code

Ben Brown

KILAEK

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

2-116

To Whom it May Concern:

I am writing this letter to express my concern about the newest missile program based on Kauai's western shore.

I do not think in any way shape or form this system should be initiated. One several points my concern is concentrated:

① The Military should NOT take unnecessary chances with Hawaiian lands or adjacent property.

② SDI or any "STARS" program is a waste of money at this point and would work in a war scenario.

③ As an avid user of the ocean for recreational purposes, the closing of the base means for testing purposes for so long of a time for so many times causes major distress.

In closing, don't shoot Polaris or any type of nuke burning rockets on Kauai, or anywhere else. Leave our island on a small time scale (as far as the military) PMRF will be okay for what it is — nobody wants to take jobs away, then again nobody wants a burn out area for their backyard. Think of it as your own backyard & you can see the point.

Mahalo Conrad M. M. M.

P.O. Box 1702

HAWAII, HI 96714 (808) 826-631

2-117

April 6, 1992

Sen. Dan Inouye &
Mr. Randy Gillin:

I am against launches from Barking Sands to Kwaylin atoll.

I do support local jobs for people working at PMRF.

I am opposed to the STARS project.

We are too small an island, too fragile an economy and would be unable to handle the dangers, the pollution. Our ozone layer is a serious matter.

At a time when our faith in the government is at an all time low, this would be further evidence that this ~~for~~ lack of trust is justified.

Sincerely,

Krista S. Nelson

P.S. I never fail to vote. I follow the issues.

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WR124

DEAR SENATOR INOUE,
 HAVING READ AND DIGESTED AS MUCH INFORMATION
 REGARDING THE PROPOSED S.D.I. PROGRAM ON KAUAI
 AS WE COULD LAY OUR HANDS ON, WE ARE CATEGORICALLY
OPPOSED TO THE PLAN. IN FACT, GIVEN THE CURRENT WORLD
 SITUATION AND RECENT DISCLOSURES ABOUT THE ENTIRE S.D.I.
 PROJECT, WE ARE OPPOSED TO ITS EXISTENCE.

10,000 MARSHALL ISLANDERS RELOCATED TO A
 65 ACRE ISLAND!

BILLIONS, HUNDREDS OF BILLIONS, TRILLIONS(?) OF DOLLARS
 SPENT ON A PROGRAM OF DUBIOUS NEED OR EFFECTIVENESS!
 WHILE PEOPLE ARE ILL-EDUCATED, UNDERFED, WITHOUT SECURITY!

IF THOSE IN POWER CAN'T SEE THE NEED TO USE THESE FUNDS
 FOR THE SOCIAL GOOD, AT LEAST LEAVE OUR HOME IN PEACE. WHY
 JEOPARDIZE KAUAI AND MAKE IT A TARGET? WE WILL BE FORCED
 TO CHOOSE BETWEEN STAYING AND EXPOSING OURSELVES AND OUR
 CHILDREN TO POTENTIAL PSYCHOLOGICAL AND PHYSICAL HARM, AND
 LEAVING THE ISLAND HOME WE HAVE GROWN TO LOVE.

PLEASE DO WHATEVER YOU CAN TO HALT THE PROGRAM. AT THE
 VERY LEAST, KEEP IT OFF KAUAI. YOU WILL THEN BE KNOWN BY
 THE PEOPLE AS HAVING THE SAME COURAGE AS GOVERNOR CUOMO
 IN OPPOSING THE SHORHAM NUCLEAR POWER PLANT IN NEW YORK
 YOURS IN HOPE. Bruce and Cyndee Fehring

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2-118

WR125

Written Comment Sheet

Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

April 10, 1992

Senator Inouye

I'm a resident of Kauai and I am very
 concerned with the Star Wars project.
 I respect the work that PRMFB is accomplishing
 but I'm strongly against the Star Wars program
 the possibility of accidents and bodily
 injury to the people of Kauai - not
 to mention the island itself - there is
 concern with the receipts - of the testing!
 More time and research & thought should
 be placed on the project!

Name James Medved

Address P.O. Box 639 Kilauea HI 96750

Street Address

City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
 Deputy Commander
 U.S. Army Strategic Defense Command
 Attention: CSSD-EN-V (D.R. Gallien)
 P.O. Box 1500
 Huntsville, Alabama 35807-3801

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4636 Iwona Loop
 Kapaa, HI 96746
 April 3, 1992

Honorable Daniel Inouye, U.S. Senate
 Mr. Randall Gellien, STARS-DEIS Author

Dear Sirs:

I write to you in continued support of my opposition to the proposed STARS missile launches at Barking Sands, Kauai. As I noted in earlier correspondence with Senator Inouye, the choice of this site for these tests is inappropriate and potentially dangerous. I have long believed that this particular site should not be placed at such risk for these tests.

I have also stated in earlier correspondence to Senator Inouye that a strong and capable military defense is essential to the integrity of our nation. However, this commendable object does not to me suggest that we should use questionable means to achieve it. As is suggested in the enclosed Newsweek article (3/23/92), "A Safety Net Full of Holes," the SDIO "knowingly masked the program's failures and overstated its progress just to keep the money rolling." Obviously it would be unjustified to imply from this accusation that the STARS/PMRF program is itself a fraudulent enterprise, but it should be noted that their funding comes from the larger national SDIO budget. It seems obvious to me that at least a management audit of SDIO is appropriate at this time, and further that a suspension of STARS/PMRF is justified until such time as the SDIO affairs have been examined.

One of the important considerations about the STARS/PMRF issue that has been circulating through our Island community is that essential jobs are at stake. I agree that the suspension of STARS/PMRF will be economically disadvantageous to our economy, but I think that the negative impacts from not going ahead with STARS/PMRF have been overstated, especially since the larger debate over our defense roles in the present and future are in such great flux due to the dismantling of the USSR, the end of the Cold War and the coming more restrictive budgetary allocations as the budget deficits consume more and more of our fiscal resources. This is a time for greater caution. This is a time of careful retrenchment. And, this is a time for carefully weighing the costs and benefits of STARS. I and many others argue that, in sum, the costs of STARS/PMRF clearly outweighs its benefits.

Thank you for admitting my opinions into your difficult deliberations; I believe that they are well founded. Please include the Newsweek article as part of my account, and if possible I would like physicist Aldric Saucier's related New York Times op-ed statement to be added for your consideration.

Sincerely,

Dana Bekeart

Mr. Dana Bekeart
 A Son of Kauai

2-119

SOCIETY

SCIENCE

A Safety Net Full of Holes

After nine years and \$30 billion, new charges brand the Star Wars defense effort a fraud

It seemed like a good idea at the time. In a speech on March 23, 1983, President Ronald Reagan described his vision of "intercept[ing] and destroy[ing] strategic ballistic missiles before they reached our own soil . . . an effort which holds the promise of changing the course of human history." Nicknamed "Star Wars," the defense shield would replace the terror of mutually assured destruction (MAD) with the promise of demolishing any missiles coming America's way. From the start, though, many physicists and military officers warned that Star Wars was technologically impossible. Now, \$30 billion later, there's evidence that the Strategic Defense Initiative Office (SDIO), as the Star Wars command is known, saw the flaws all along—and knowingly masked the program's failures and overstated its progress just to keep the money rolling in.

Engineer Aldric Saucier, who was fired from the SDI program last month, described in an op-ed piece in *The New York Times* last week a conspiracy within SDIO worthy of an Oliver Stone movie. He accused SDIO of "systematic illegality, gross mismanagement and waste, abuse of power and the substitution of political science for the scientific method." He said SDI officials took money allocated by Congress for one program and spent it on another, and falsified data about the efficacy of such marvels as the X-ray laser in order to keep the dollars gushing in. In an interview with *Newsweek*, Saucier detailed allegedly false statements made by SDI officials about the effectiveness and cost of various systems, leading to underestimates of between \$222 billion and \$1 trillion. He charged that SDIO kept expenditures off the books, destroyed or hid thousands of scientific reports and data, and deliberately covered up fatal flaws in the systems. Saucier, chief scientist for Advanced Technology and Architecture for the army's Strategic Defense Command, concludes that Star

Wars will never provide an impenetrable umbrella against nuclear missiles.

Pentagon scientists criticize Saucier's work and even question his sanity. SDIO will not comment on his allegations, however, until the U.S. Office of Special Counsel, which investigates whistle-blowers' charges, finishes its inquiry into Saucier's firing. As far as SDI goes, however, Col. Simon P. Worden, the program's deputy for technology, calls it "one of the best-managed" advanced technology programs in all of government.

Battle stations: Doubts about SDI are not exactly new, however. From the beginning, Defense Department advisers such as physicist Richard Garwin of IBM have pointed out that a perfect nuclear shield either defied the laws of physics or relied on weapons that could be easily neutralized by Soviet countermeasures. Defensive battle stations in space would be easily shot down. Missile killers designed to pop up into space when an enemy launches ICBMs couldn't get aloft high enough and fast enough to intercept the missile before it spewed out multiple warheads. Claims for SDI, says physicist Theodore Postol of MIT, have "proven to be false and made without technical or scientific merit." Exotic new lasers, neutral- and charged-particle beams and electromagnetic rail guns, he says, all failed to live up to their billing.

This isn't news to some of the hot young physicists hired to build a nuclear shield. Elliott Kennel, a former air force nuclear engineer who worked on SDI in the mid-1980s, describes how, "by 1987, many of us



Ground-Based Laser

This \$1 billion free-electron laser shoots at a mirror, which reflects death beams at missiles. Stalled; SDIO prefers Pebbles.

The target: Independent warheads from the MX Peacekeeper missile, the kind SDI means to stop

cocky whiz kids had realized that the game was over. We had tried very hard to fulfill the technical requirements of President Reagan's vision of an 'impenetrable shield' and failed."

And so quietly, secretly, SDI did what might charitably be called "evolve." According to a report from Congress's General Accounting Office, released last week by Rep. John Conyers, SDI lowered its sights in 1987 to discourage, not block, a massive Soviet missile attack. Taxpayers may not



Neutral-Particle-Beam Weapon

A \$700 million project, scrapped because of inaccuracy. Failed to recognize decoys or to reach needed power levels.



Brilliant Pebbles

8,000 orbiting missile interceptors, part of a \$46 billion-\$100 billion space and land-based system. Plagued by software and accuracy problems.



Space-Based Lasers

More than \$1 billion spent so far for X-ray and chemical lasers. X-ray hasn't worked; chemical lacks the power to kill missiles.

DOO PHOTOS

have realized it, but the billions of dollars were not going to buy Reagan's popular perfect defense. SDI switched course again in 1990 with the introduction of Brilliant Pebbles, a program to develop an armada of hundreds of small orbiting interceptors that would swarm toward incoming missiles and destroy them by impact. In 1991, SDIO conceded that Pebbles could protect America only against *limited* (up to 200 warheads) ballistic-missile attacks from anywhere (read: crazed Saddam-type dictators). Changing goals as it went along was central to what Saucier calls the main point of SDI: "to keep the research and development money flowing." That required se-

crecy. "If you keep all the technical data under wraps," says Kennel, "it's easy to keep it funded."

In fact, SDI has scored a few successes. In a 1990 test, a ground-based interceptor destroyed an unarmed missile. Of course, the defenders knew when the missile was coming and from where; deliveries from Baghdad would not be publicized beforehand. The Defense Department denies that SDI's goals have changed. Rather, it says that from its inception SDI was meant to "direct a research program that will provide the basis of an informed decision regarding the feasibility of eliminating the threat posed by ballistic missiles." Moreover, the Pentagon disagrees that deploying a space- and ground-based defense system poses significant technological challenges. The complexity of the software required to coordinate Star Wars, for instance, is no more daunting than programs that control nuclear reactors, it says. And in any case, argues SDIO, the system could operate with "minor errors or weaknesses." Of course, a missile defense that "doesn't work perfectly has failed completely," says John Pike of the disarmament Federation of American Scientists.

New notes: How does the Star Wars calculus change now that the West has won the cold war? The new justification for SDI is that emerging nuclear powers may not be deterred by mutually assured destruction. Even a single nuke from a martyr-minded nation could bring a holocaust. Star Wars has a better chance against a small barrage than a huge one, but that does not necessarily justify space-based missile killers. Infrared warning satellites spied every Scud that Iraq launched during the Persian Gulf War. Those satellites, teamed with 100 ground-based interceptors located in Grand Forks, N.D., argues IBM's Garwin, "would be simpler and more effective than . . . space-based interceptors." In part, that's because the Pebbles must hit a missile dead-on in order to destroy it. Large antiballistic missiles

2-120

(ABMs) might be more effective. Don't count Brilliant Pebbles out of the budget yet, though. Last week President George Bush nominated TRW executive Daniel Goldin to head NASA. Goldin worked on the Brilliant Pebbles contract at TRW.

The perceived success of ground-based defense in the gulf war ratcheted up the SDI budget. Says a congressional aide who has followed SDI for seven years: "The TV images of the Patriot were worth \$1 billion to SDI." That's how much additional funding Congress voted for SDI last year, after three years of flat or declining appropriations. Yet a study by MIT's Postol questions the Patriot's performance. Writing this year in the journal *International Security*, he argues that the Iraqi Scuds fell apart, as they homed in on their target, with no help from the Patriots. When Patriots that sped toward the fragmenting Scuds fired their warheads, the fireballs that resulted were mistaken for hits. His analysis of videotapes shows that Scuds flew by untouched. The army contends that Patriots were 80 percent successful in Saudi Arabia and 50 percent successful in Israel.

Since Saucier went public, says attorney Jeff Ruch of the Government Accountability Project, "people have been coming out of the [SDI] woodwork" with similar charges. Three congressional committees are launching inquiries into the allegations. Saucier has been reinstated in his job at SDIO pending review of his charges. Still, no one believes that a whistle-blower can bring down Star Wars. President Bush has requested \$5.4 billion for SDI next fiscal year, compared with \$4.1 billion in 1991-92. Yet SDI competes for scarce dollars with other defense programs. In an era of shrinking budgets, says a congressional aide, "the people who are going to kill SDI are in the Pentagon."

SHARON BEGLEY and DANIEL GLICK in Washington



PAUL FETTER

Blowing the whistle: Physicist Saucier

WR127

April 8, 1992

Senator Inouye & Mr. Gallien,

This is a letter of protest against the SDI (STARS) program being considered at PMRF on the Hawaiian island of Kauai. This world, this country, and, more specifically, the island of Kauai does not need SDI research. That such a project is potentially dangerous is a given; why else would the remote island of Kauai be considered as a location if this were not the case?

I personally would like to see that the current employees at PMRF continue to have worthwhile jobs there *without* adding the potential hazards inherent to the SDI program. In other words, I am not objecting to PMRF itself, just what is being proposed to occur there.

Once again, this letter is a protest against the SDI program. NO, not on this island, which is my home.

Sincerely,

Sofia Diaz

SOPIA DIAZ

P.O. Box 129

Kapaa, HI 96746

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WR128

April 8, 1992

Senator Inouye & Mr. Gallien,

This is a letter of protest against the SDI (STARS) program being considered at PMRF on the Hawaiian island of Kauai. This world, this country, and, more specifically, the island of Kauai does not need SDI research. That such a project is potentially dangerous is a given; why else would the remote island of Kauai be considered as a location if this were not the case?

I personally would like to see that the current employees at PMRF continue to have worthwhile jobs there *without* adding the potential hazards inherent to the SDI program. In other words, I am not objecting to PMRF itself, just what is being proposed to occur there.

Once again, this letter is a protest against the SDI program. NO, not on this island, which is my home.

Sincerely,

Debra Rawlins

Debra Rawlins

4330 Lanikona St.

Lihue, Kauai 96766

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2-121

WR129

April 8, 1992

Dear Mr. Gallien,

I support the 'No Action' alternative on your Draft E.I.S. I am strongly opposed to Star Wars testing on Kauai for the following reasons:

1. Our environment is our economy. One accident could have a devastating effect on our tourism and real estate revenues.
2. The effect on our ozone layer has not been properly addressed within your E.I.S. Brominated fluorocarbon, a by-product of launching missiles, has been shown to deplete the ozone in our atmosphere.
3. Nohili Dunes is a culturally significant area, inappropriate for use as a launching site.
4. I do not want my tax dollars to perpetrate human rights violations upon the people of Ebeye.

We understand that the employees of the Pacific Missile Range Facility have been threatened with the loss of their jobs if this program is not commenced. Please clarify this misconception immediately so that each P.M.R.F. employee may make a conscientious decision based on the true impact of the program, not under duress from fictitious threats.

Sincerely,

Alison L. Dunn
P.O. Box 706
Hanalei, HI 96714

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WR130

P O Box 3551
Princeville, HI 96722
April 6, 1992

Mr. Randy Gallien

This is to inform you of my strong disapproval of any STARS missile launches from Barking Sands.

I believe the STARS program does not have the potential to serve as a reliable defence, and any money spent on the development of the program would be a complete waste of funds which could be better spent on domestic needs.

I also believe that even if the program were to be advanced, it should not be tested on Kauai, since it would pose a serious threat of damage to both valuable human and natural resources.

Sincerely,

Phyllis D. Graff

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2-122

P.O. Box 1169
 Hanalei, HI 96714
 April 10, 1992

Dear Senator Inoué & Mr. Gallier:

As a Hawaii resident and a U.S. citizen I am writing to express my extreme opposition to the Stars Project here on Hawaii. I simply do not understand what our government is doing with \$30 billion dollars of hard earned taxpayer's money! I do not want my tax dollars spent on destroying our planet! I have a friend who worked on the "clean-up" project in the Marshall Islands - horrendous!!! It simply does not make sense!

There are so many reasons for my opposition and I'm sure you've heard them all before. But don't just listen to them, feel them in your hearts & know that it's you who is in the position to really DO something. The life of our planet is at stake and the consciences of those in power MUST change - let it begin with you!!

Sincerely,

Jeanie Quinn

Aloha,

My name is Melosa Granda and I'm 11 years old. I was born and raised on Kauai and I am 1 of 6 kids. Earlier this evening I had not planned to speak but as I heard various opinions I became overwhelmed with fear for our islands of Kauai and Niihau... Starwars... sounds like a game. I am taught to recycle paper, cans, glass, to not use spray cans, styrofoam, to put litter in it's place and to keep our beaches clean... Is this a game or are we really ^{serious} dedicated to protecting our environments and life style. Believe it or not I often think about becoming a mother and even a grandmother. Am I wasting my time thinking that my children and grandchild will ~~not~~ be as fortunate as I have been enjoying the purity of Kauai. It seems to me that the Military's intentions for starwars are to further protect our nation. However we will be destroying our natural protection... our ozone

When I close my eyes I imagine the ozone layer that keeps me warm at night, a safe cool shelter on a hot day, and an airy clean wind for little growing plants and creatures. It saddens me to think Kona could become just like any other undesirable place that so many of us has run away from.

What makes me angry is our tax money will be paying for Star Wars. Even I work for my money and I don't mind helping out. Recently I watched a special about babies dying because their parents don't have enough money to get medical insurance.

I was shocked to here America has one of the highest infant death rates. I want my money to go to saving those babies. I want my money to go to people who don't have a place to stay at night. I want my money to go to those people who wouldn't have dinner on the table and I want to go to medical school but

~~to go to people who don't have a place to stay at night. I want my money to go to those people who wouldn't have dinner on the table, and I ~~would like~~ want to go to medical school but ~~I don't know how I will pay for it.~~ ~~I don't know how I will pay for it.~~ I don't know how I will pay for it.~~

I think sometimes that adults don't give us credit for understanding and being concerned for the changes that affect our world. But for myself and my brothers and sisters I will say it is not that we don't understand or feel concerned. It's just that we are terrified to face the truth of destruction that appears to be. Our earth has become polluted, and will eventually destroy itself if people don't stop and take a close look. Please look now. Our earth is our home. Mahalo Do we really want to send missiles through our home? Mahalo!

Melosa Granda
6433 Kawaihan Road, Kepea, HI 96746

WR133

19 March 1992

Miss Elizabeth Freeman
c/o Responsible Citizen for Responsible Government
P. O. Box 1440
Hanalei, HI 96714
Fax (808)826-1788

Dear Miss Freeman:

Thank you very much for all the news and informations you sent me two days ago.

After reading some of the materials, I was really overwhelmed by the position that the people of Kauai, particularly the Mayor and her Council, have taken on the STAR/EDX missiles program. I would like to express on behalf of some Kwajalein landowners and Mr. Hanel Dribo our full support and solidarity to the people of Kauai on this very important stand. We can only pray that more and more concerned citizens like you come to realize the kind of action that US government has practiced on small people in the Pacific. Your people have brought Christianity to our islands and we accepted the faith. Many of us don't understand why our home islands have to be used for military purposes. I believe that your government can make changes if concerned people like you continue to cry out.

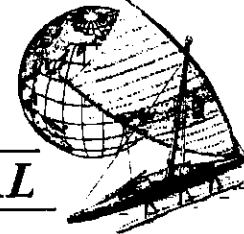
Again, we would like to salute you and express our support, and pray that God would bless you in this struggle.

Sincerely,

Julian Riklon
Julian Riklon

2-125

WR134



EQUATORIAL

FILMS

March 24, 1992

LETTER TO THE U.S. ARMY STRATEGIC DEFENSE COMMAND
AND THE CITIZENS OF THE ISLAND OF KAUAI FROM
ADAM J. HOROWITZ, U.S. CITIZEN.

As the Producer/Director of the documentary film HOME ON THE RANGE, I have had the opportunity to travel extensively throughout the Marshall Islands and witness first-hand the cultural and environmental devastation caused by United States strategic weapons testing. My film centers primarily on the effects of ongoing missile testing at Kwajalein, but during the course of production, I also visited Bikini Atoll and met many of the displaced Bikini Islanders, who have become known as the nuclear nomads of the Pacific.

In 1946 the Bikinians were told that the atomic bomb was being tested on their island, "for the good of mankind," and were led to believe they would return to their homes. But after 25 atomic and thermonuclear bomb detonations, Bikini Atoll is completely radioactive and will be unsafe for human habitation for generations to come.

The U.S. military began missile testing at Kwajalein Atoll in 1960, and since that time has evicted most of the Kwajalein Islanders from their traditional homelands and turned a tropical paradise into a nuclear missile test range and practice ground for World War III.

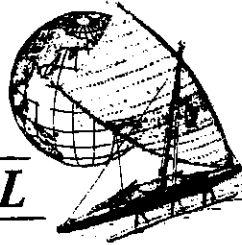
Despite the end of the cold war, missile and Star Wars testing at Kwajalein goes on, and the U.S. Army proposes to expand the testing by launching missiles from the island of Kauai in addition to the ongoing launches from Vandenberg in California. The military has said that the additional testing from Kauai will have no significant environmental impact. They have shown they will do anything to further their programs without any concern for the human and environmental consequences.

continued on page 2

369 Montezuma St., Studio #168 • Santa Fe, New Mexico • 87501 • Telephone (505)988-3588

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EQUATORIAL

FILMS

The Bikintians have lost their homeland forever. The 10,000 Kwajalein Islanders are crowded onto a 65 acre island that has become a slum with conditions approaching those of a concentration camp. Like the people of Kauai, they were told that missile testing would not have any negative effects. But their homelands are off limits, their culture and traditions have been destroyed, and their future appears bleak. The U.S. government has been embarrassed into trying to improve the living conditions of the Kwajalein landowners, but the damage is too great, the problems too severe for Uncle Sam to mitigate any more.

The military always promises that their activities will not have any negative effects. But now, in our own country, we are left with Hanford, Washington and Savannah River, Georgia, two of the most contaminated places on Earth. We have seen thousands of Americans contaminated by atmospheric nuclear bomb testing in Nevada. We have seen Rocky Flats, the nuclear bomb factory in Colorado, closed down and investigated by the FBI for their flagrant and deadly abuse of the environment and the local inhabitants, and their lies about the extent of the pollution.

The military cannot be trusted. Missile testing at Kauai will surely have negative effects on this garden paradise that cannot even be predicted.

The military who has been entrusted to protect this country has destroyed countless places and countless lives in the name of national security. Their philosophy was best summed up by General Westmorland talking about a small village in Vietnam when he said, "We had to destroy it in order to save it."

Stop the missile testing. Covert the military-industrial complex to purposes that will benefit mankind.

Sincerely,

Adam J. Horowitz

TO: DANIEL K. INOUE
UNITED STATES SENATOR
ROOM 722, HART SENATE OFFICE BLDG.
WASHINGTON D. C.

FROM: FRED L. JAGER
1951 MIKU PL.
KOLOA, HAWAII, 96756

RE: P.M.R.F./"STARS PROGRAM"

DATE: APRIL 4, 1992

DEAR SENATOR INOUE:

THE PACIFIC MISSILE RANGE FACILITY (PMRF), AT MANA HAS BEEN A GOOD NEIGHBOR FOR TWENTY-EIGHT YEARS. I SUPPORT THE EMPLOYEES AT THE BASE AND WOULD NOT SUPPORT THE CLOSING OF THE BASE.

HOWEVER, I DON'T SUPPORT THE "STARS PROGRAM" AND I FEEL IT IS COMPLETELY LUDICROUS TO EVEN THINK OF USING KAUAI AS A TEST SITE. I WOULD HAVE THE SAME REACTION TO THE USE OF YELLOW STONE, YOSEMITE, GRAND CANYON, JACKSON HOLE OR ANY OTHER PRISTINE ENVIRONMENT.

I CAN NOT BELIEVE THAT IN A TRILLION DOLLAR DEFENSE BUDGET THAT A PROJECT MORE CONDUCTIVE TO KAUAI'S PRISTINE ENVIRONMENT CAN NOT BE FOUND.

THIS IS NOT TO LESSEN YOUR LACK OF PROPER PRIORITIES. WHY WOULD WE CONTINUE TO SPEND THIS AMOUNT OF MONEY ON A PROJECT THAT HAS BEEN A COMPLETE FAILURE. IT HAS BEEN 10 YEARS AND NO POSITIVE RESULTS AND NO REAL STRIDES FOR MAN KIND. WE HAVE FAMILIES ON THE STREETS, WE HAVE PEOPLE GOING HUNGRY, WE HAVE LESS AND LESS OF OUR POPULACE THAT ARE GETTING A HIGHER EDUCATION, NOT TO MENTION THE FACT THAT MORE AND MORE CHILDREN CAN'T READ. I FRANKLY FIND THIS A GRATER THREAT TO OUR FUTURE THAN ANY OTHER COUNTRIES POSSIBLE HOSTILE ACT VIA A INTERCONTINENTAL BALLISTIC MISSILE.

ALOHA,
FRED L. JAGER

WR136

March 24, 1992

General Robert D Hammond
 U.S. Army Strategic Defense Command
 PO Box 1850
 Huntsville, Alabama - 35807

To General Hammond, Senator Dan Inouye (Hawaii's own) and/or
 whomever will hear & know & put energy
 into stopping this SDI madness.

The injustices which have been perpetrated on the
 people of the island of Kwajalein in the name of STAR WARS
 defense is REASON ALONE to halt the SDI program.

HOW CAN THE U.S. judge other governing bodies for
 human rights abuses when our own injustices continue
 toward the people & lands of the Marshall Islands in the
 name of this ridiculously expensive and ineffective
 system. I am embarrassed to be an American
 because of this. Shame of God's Wrath will come

down on you personally General Hammond for
 perpetuating this program of shooting missiles into the
 Pacific for your WAR GAMES. SDI is a waste of resources.
 SDI threatens the environment, the economy & the essence
 of life on Kauai & the Planet. STOP the Madness!!

I do not & will not support the SDI program at PMRF on Kauai.
 Use AIBARIK as a launching pad or target as you have done to the
 people of Kwajalein. You move out of your home so the Army can
 use it as a target. STAY OUT OF THE PACIFIC. AND GET A
REAL LIFE!!

Sam Long

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WR137

April 4, 1992

General Hammond
 U.S. Army Strategic Defense Command
 Huntsville, Alabama

Sir:

I am a war veteran & tax paying
 U.S. citizen. The SDI program is outrageously
 wasteful, harmful to the environment
 & life in general & its existence perpetuates
 human injustices.

This program must be stopped!

Keep the SDI Program off of Kauai.

I do not want SDI missiles launched
 from PMRF on Kauai.

William Long

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2-127

WR138

April 8, 1992

Senator Inouye & Mr. Gallien,

This is a letter of protest against the SDI (STARS) program being considered at PMRF on the Hawaiian island of Kauai. This world, this country, and, more specifically, the island of Kauai does not need SDI research. That such a project is potentially dangerous is a given; why else would the remote island of Kauai be considered as a location if this were not the case?

I personally would like to see that the current employees at PMRF continue to have worthwhile jobs there *without* adding the potential hazards inherent to the SDI program. In other words, I am not objecting to PMRF itself, just what is being proposed to occur there.

Once again, this letter is a protest against the SDI program. NO, not on this island, which is my home.

Sincerely,

Drake Smith
P.O. Box 178
Kapa'a HI 96746

2-128

WR139

March 24, 1992

Stanley E. Butler
Save the Whales International
P.O. Box 619
Kilauea, HI., 96754

On the proposed launch of Strategic Target System vehicles from PMRF on the island of Kauai.

Kauai, a sparkling gem in the vast ocean. A separate kingdom, isolated and insulated from the cares of the world. Word has reached us however that Peace has broken out.

The need to consider the risks to wildlife, the environment and public health for reasons of "national security", are no longer legitimate. The idea of testing a project that is at once useless and impossible are ridiculous.

It is time to face the real threat to our security, the systematic destruction of our life support system. Few people today would argue that this planet and its inhabitants are in dire straits.

The US military is the largest single source of pollution and the greatest squanderer of resources on the planet! We no longer have the need for developing or testing implements of mass destruction at any cost or possible cost, to our fragile planet and its inhabitants.

Hawaii is the Aloha State. Aloha is love, mercy, and kindness. Is "Star Wars", or for that matter any activity whose purpose is the taking of life the kind we want on the Garden Isle?

PMRF had a budget of \$50.1 million in 1991. Would not that money be better spent restructuring the military to address the real threats to our security? Let us use our technology and enormous expenditures of resources on education, developing sustainable energy, environmental protection and rehabilitation.

In 1965, Adlai Stevenson, in his last speech as U.S. Ambassador to the United Nations said:

We travel together, passengers on a little spaceship, dependent upon its vulnerable resources of air and soil, committed for our safety to its security and peace, preserved from annihilation only by the care, and work and I will say love, we give our fragile craft. We cannot maintain it half fortunate, half miserable, half confident, half despairing, half slave to the ancient enemies of mankind, half free in a liberation of resources undreamed of until this day. No craft, no crew, can travel safely with such vast contradictions. On their resolution depends the survival of us all.

Sincerely,

Stanley E. Butler
Save the Whales International

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WR140

The proposed SDI program at PMRF is a sad statement of how the military treats people that live around it's bases. It is frightening to me that the Pentagon can try to overpower the majority, here on Kauai, who do not want these missiles launched.

I teach at Hanalei School and I am so afraid for the future generations to live in a world that is not concerned with protecting our environment. I feel the time is now to make a stand against outmoded, cold war projects that take us backwards instead of forward. We should choose peace and a clean environment not war and destruction of our planet.

I encourage the U.S. Army to abandon it's plans for SDI testing on Kauai.

Della Addison
P.O. Box 1481
Hanalei, HI 96714

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2-129

WR141

Written Comment Sheet

Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

Please be advised - my judgement concerning the testing of missiles on the island of Kauai is NO.

Please think about the impact of a catastrophic tsunami on this island. We are not totally isolated, of course, but should the water become contaminated, what would the people do for a safe supply?

I think we should be advised of "the worst possible scenario". Then consideration given to the correction of this. If the authorities feel they are prepared to deal with the disaster without excessive trauma to people on land, perhaps I would reconsider my present judgement.

Name Aarris Kucera

Address 5316 Hanalei Rd Pepee, Kauai
Street Address City/State/Zip Code

Hi 96722

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

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WR142

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I do not approve of missile testing on Kauai.

We are presently going through serious discussions, & trying to come to conclusions concerning boats using the Hanalei River. Environmental impact is our chief concern.

Can you begin to imagine what the environmental impact of a catastrophic launch would be here on Kauai?

If this island can not deal with a few Jolises - what in the world can it do with Missiles

Please give our beautiful island a little

Name Richard F. Quessa *more time & consideration*

Address 5316 Honoiki, P. Prineville Hs. 96722

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

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2-130

WR143

TO: Deputy Commander, U.S. Army Strategic Defense Command
ATTN: CSSD-EN-V (D.R. Gallien)
P.O. Box 1550, Huntsville, Alabama 35807-3801

FROM: Carol Bain, P.O. Box 2320, Puhi, Kauai, Hawaii 96766.

SUBJECT: Public Hearing Testimony delivered: March, 25, 1992, Lihue Convention Center, Kauai Hawaii
(written testimony below was delivered in part on above date)

"My name is Carol Bain.

Thank you, Lt. Col. Manguso, military officials and all in the audience for granting the three minutes to speak. Time is precious.

Thanks to the kind indulgence & cooperation of the military who are also providing technical services to allow the task of documenting this event on videotape to occur much easier. I am volunteering my time, tape and equipment in order to videotape this public hearing to allow it to be played back on public access TV. Particularly all of the individual testimony, and I commend you all for the courage to speak...I know its not easy, and because I am a volunteer tonight and not in the journalist role, my conscience tells me to speak. The reason I am putting this time toward the video documentation and subsequent playback, is to encourage an extended dialogue on the STARS SDI issue.

The United States of America was influenced during its most formative years by a free press, and our founders knew the value of an informed public: an informed public can be truly democratic. So, the more information the better.

By this time, a minute is up and you aren't sure whether I am an unpatriotic person who is threatening your job, or whether I am a tool of the military threatening the environment and lifestyles of the indigenous peoples of the Pacific.

WR143 (cont.)

I looked through the draft EIS, and the document is good because it shows the military paused long enough to write it. Though the document does not say present jobs at PMRF will be decreased, even their own employees don't believe the printed words as evidenced by their testimony here. It is not a matter of whether we all believe it or not, missiles are coming.

Who really knows why the military chose Kauai, one of the most beautiful islands in the Pacific, to try this strategic experiment with? And SDI STAR Wars is like the biggest toy a rich boy could own. A missile goes up from California and 4000 miles away is shot down or crashes, near Kwajalein atoll. And March 13, 1992, they lost one sent up from Vandenberg, when an interceptor missile launched for Kwajalein missed the mock nuclear warhead. Something went wrong. Evidently, the military knows it can do this extremely technical feat most of the time, and they should be proud of the accomplishment. It really is impressive. So now, the intent is to have a new launch site 2000 miles away and do more of this only from another angle. *What can be learned from this knowledge? To see if Polaris Missiles are as old and dangerous as they look? Maybe we are testing a new launch pad, or the efficiency of a new angle of trajectory. Or if the rocket fuel, whose description on page 59 in the draft EIS should scare anyone who wants to live a long and fruitful life, can be shipped safely over the Pacific.*

What we aren't told is: *What are we going to learn about missiles we don't already know and is it worth the costs...on all levels? Maybe we could all pitch in to help if we could just be told why STARS on Kauai is so needed. It can't be merely to see if we can send a missile 2000 miles. But of course, I am not on the list of those with a need to know, and neither is anyone in this room. Could it be that this experiment is just to see if the people on Kauai, and the U.S., are gullible enough to accept and pay for SDI here?*

WR143 (cont.)

The missiles are coming. I and the rest of the media are here to take pictures of both the successful launches and the major malfunctions. And, yes, there will be accidents. And though I won't send the exploding rocket visuals to CNN, some journalist will. Visitors will definately cancel Kauai reservations. No one in their right mind wants to be around exploding, dangerous missiles?

I have delayed the launches by 3 minutes. I encourage you all to do the same. Thank you.

PS : Questions, other than those italicised above, I would like answers to. I could not find the answers in the Draft EIS, perhaps I overlooked them. If you could answer them I would feel less worried about all of this. Please send responses to Carol Bain, P.O. Box 2320, Puhi, HI 96766

1. Will Kauai residents get a timely (within 3 months) report on the failures as well as the successful launches at PMRF? What kind of report and what will be included?

2. I know you will try your best not to have an accident but if an accidental spill of any toxic fuel or other hazardous materials occurs, wouldn't it be too dangerous to ship the contaminated items/dirt or whatever back to the mainland? Would they be buried on Kauai in some "safe" place above the water table? Where will it be stored? Can it be marked so well so that 30 years from now we will not accidently build over it?

Carol D. Bain
mailed 4/8/92

6 April 1992

The Deputy Commander,
US Army Strategic Defense Command,
CSSD-EN-V [D.R. Gallien],
P O Box 1500,
Huntsville,
AL 35807 - 3801,
UNITED STATES OF AMERICA

Dear Sir,

We read with concern that the US Army Strategic Defense Command intends to continue testing the costly Strategic Target System [STARS] programme from the Pacific Missile Range Facility at Barking Sands on Kauai Island, HAWAII. This would involve the launching of four missiles annually for the next ten years.

Undoubtedly it will be declared that this programme will have minimal effects on the environment because your environmental impact statement suggests this. Also with the end of the Cold War upon us, this programme will provide the defense industry with assured contracts and continuing employment and so avert a delicate political dilemma. Finally such a programme would be a technological point-scorer for the United States. Is this not all a very U.S. oriented scenario?

We of the Pacific invite you to extend your vision beyond your shores. These rockets will be aimed towards Kwajalein Atoll in the Marshall Islands where they will test missile detection equipment. Kwajalein is the largest atoll in the world. It is home to some 3,000 US Servicemen and their dependents who enjoy a comfortable and secure lifestyle. Two islands away is Ebeye, a little over one mile long and seven hundred and fifty feet wide. This is home to 10,000 Marshallese, mostly displaced, some of whom are permitted to work on Kwajalein. This is all as it is so that the US Army testing programme may continue.

The Marshall Islands, Sir, consist of two parallel chains of atolls. The eastern chain is called Ratak, meaning Sunrise and the western one is called Ralik or Sunset. This 800 mile chain does sound like the original Pacific paradise, does it not?

However, Sir, permit me to briefly recall the occupance history of some of these islands in the past 50 years:

Majuro Atoll	- World War II base of US operation.
Mill Atoll	- Japanese World War II base.
Bikini Atoll	- Site of atomic and hydrogen test bombings in the late 40s and 1950s. Its lagoon is peppered with American and Japanese target ships.
Enewetak Atoll	- A nuclear testing region. Runit Island has a concrete slab that encloses the island's contaminated materials.
Matoulap Atoll	- A Japanese base in World War II with a Japanese troop ship submerged in its lagoon off Taroa Island.
Jaluit Atoll	- Japanese headquarters during World War II and home to thousands of Japanese between the Wars.

...../2

[2]

I consider the above profile sketches speak for themselves. It is a recent history written in the context of war.

Finally there is Kwajalein Atoll, home to a US missile testing base.

Sir, may I suggest to you that the Marshallese, and the Pacific Island people in general, are tired of being unwilling hosts to military and strategic programmes imposed by larger outside nations. We ask that your Government cease these operations in a world where warfare is realistically a diminishing prospect and short term economic gain is your only incentive.

The Pacific Conference of Churches [PCC] is a regional ecumenical organisation made up of some 31 member Churches, National Councils of Churches and Bishops' Conferences. It speaks for 90 per cent of all Pacific Christians.

Sir, I write to you on behalf of these Pacific people. My mandate derives from their delegates meeting in the 6th General Assembly of the PCC which passed resolutions to this effect. I am instructed to convey this matter to you by the PCC Executive.

I would therefore ask your Government to halt the Strategic Defense Initiative testing programme and thereby cease to use the Pacific as a backyard and dumping ground for the United States of America.

I look forward to your response in this matter.

Yours faithfully,



P. J. Salamonsen
Secretary for Justice, Peace and Development

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I am for the proposed STARS project. The findings I find is very normal. I think the tests for STARS would be very useful to the island.
Thank You.

1

Name David J. Mendel
Address P.O. Box 352 Anahulu, HI 96703
Street Address City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

2-133

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

66 acres for 9,000 ft. How can the U.S. have the audacity to say a growing population can live on such a small land area. They've taken away the Marshallese culture, polluted their lands & the minds of such simple loving human beings. How can the U.S. say it is alright to sacrifice naive natives for the betterment & safety of the U.S. a great good for greater people for Utilitarian & totalitarianism. Is not the concerns & lifestyle of the Marshallese not important? How important are nuclear weapons to say our country has the right to jeopardize the lives of others. Has the Americans stayed so low as to take other people as

1

Name Kaanohtokalani Aki Res 4667 Kalalea Rd.
Address P.O. Box 352 Anahulu, HI 96703
Street Address City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

WR147

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

It seems to me that we are in the position of opportunity. Rare opportunity. A new world order is struggling to assert itself. We are at a crossroads. An enlightened age beckons us. But fears of a older time are plaguing our policymakers. Fears of a cold war era, of a bipolar world. STARS is a vestige of this past. It is not a hopeful future if we allow the cold war mentalities to further U.S. exploitation of Pacific islands and people. Direct our money and energy to helping not arming ourselves against what doesn't threaten us.

Name CALEB OFFREY
Address 4434 HALEY RD. KAMA, HI 96744
Street Address City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

1

2-134

WR148

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

Humanity and the earth is our only resource, think about it

Name Leonard Guillen
Address P.O. Box 614 Lihue, HI 96746
Street Address City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

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WR149

1334 Ihona Place
Kapaa HI 96746

April 7, 1992

Sen. Daniel Inouye and Mr. Randy Gallien,

I am a student at Kauai Community College. My English class has been researching the STARS controversy and I would like to give you my statement, thus far.

at the beginning of my research paper, I felt against the STARS program, in which I wrote my paper against it. However, as I read all the material for and against STARS, I feel my view has changed. I feel the Army has done a wonderful job of answering all questions the opposers have. Also, I admire the military's professionalism in addressing some of the wierd environmentalists. However, I think there are still questions to be answered. Keep up the good work. Thank you ~~Mark~~ ~~Haw~~

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WR150

To Sen Dan Inouye and Mr Randy Gallien. April, 7, 1992

I feel ^{that} about the star project should go on, ^{and stay with} the plan, because since I always agreed with the military ⁱⁿ what they are doing, and how it ^{would} protect us from any kind of danger. ^{then} they should do something, ^{then} if launching the missile ^{from} of Kauai. ^{then} I really don't mind and I support PMRF.

1

Oletha Tolchan

2-135

WR151



REPLY TO
ATTENTION OF

DEPARTMENT OF THE ARMY
U. S. ARMY ENVIRONMENTAL HYGIENE AGENCY
ABERDEEN PROVING GROUND, MARYLAND 21010-5422



HSHB-ME-AQ (40)

13 April 1992

MEMORANDUM FOR Commander, U.S. Army Strategic Defense Command,
ATTN: CSSD-EN-V (D.R. Gallien), P.O. Box 1500,
Huntsville, AL 35807-3801

SUBJECT: Review of the Draft Environmental Impact Statement for
the Strategic Target System, February 1992

1. The comments and recommendations on the above subject document are enclosed. Recommend addressing the comments and resubmitting the revised document for review prior to finalization.

2. The scientists and engineers reviewing this document were: Mr. Jeffrey S. Kirkpatrick, Air Pollution Engineering Division; MAJ William E. Legg and Mr. Wayne Hardcastle, Waste Disposal Engineering Division; Ms. Jennifer Breen, Water Quality Engineering Division; Dr. George A. Luz, Bio-Acoustics Division; Ms. Jennifer Houser and Mr. Ralph Rogers, Industrial Hygiene Division.

3. Our point of contact for technical questions is Mr. Jeffrey S. Kirkpatrick, DSN 584-2510/2509 or commercial 410-671-2510/2509. Additional comments or concerns may be directed to Mr. Thomas L. Guinivan, Chief, Air Quality Management Branch, Air Pollution Engineering Division, DSN 584-3500/3954 or commercial 410-671-3500/3954.

FOR THE COMMANDER:

THOMAS L. GUINIVAN, P.E.
Chief, Air Quality Management
Branch
Air Pollution Engineering
Division

Encl

CF:
HQDA(SGPS-PSP), ATTN: COL Fitz
CDR, HSC, ATTN: HSCL-P
CDR, USAEHA, ATTN: HSHB-ME-SH

Nationally Recognized as the Center of Matrixed Occupational and Environmental Health Excellence

2-136

WR151 (cont.)

COMMENTS AND RECOMMENDATIONS
DRAFT ENVIRONMENTAL IMPACT STATEMENT
FOR THE STRATEGIC TARGET SYSTEM
FEBRUARY 1992

1. Reviewer: Mr. Kirkpatrick
Page ES-5, Air Quality

Comment: It is stated that air samples will be collected during the first demonstration flight to validate the accuracy of the models and to evaluate compliance with federal and state standards. The draft STARS EIS does not contain a section which describes the monitoring procedures to be used for collection of applicable air samples.

Recommendation: Consider revising this section to state where, in the draft STARS EIS document, one can find information on the procedures to be applied for air sample collection.

2. Reviewers: Ms. Houser and Mr. Rogers
Page 2-15, Propellant Storage and Transfer Operations

Comment: The hydrazine and nitrogen tetroxide holding areas will be monitored for leakage by SNL and PMRF personnel. However, there is no mention of whether personnel or area monitoring will be performed (and by whom) during propellant on-loading and/or off-loading operations.

Also, there is no mention of whether off-loading will occur in the event that the rocket is not launched.

Recommendation: State whether personnel and/or area monitoring will be performed during propellant on-loading and/or off-loading operations, and who will conduct the monitoring. Also, state whether or not off-loading will occur in the event that the rocket is not launched.

3. Reviewer: Mr. Hardcastle
Page 2-29 Construction Activities at Kauai Test Facility

Comment: The statement for the proposed construction of a "shelter" at KTF, relative to the STARS for a decontamination pad and for temporary hazardous waste staging, does not provide for compatible segregation for hazardous waste storage or spill containment.

Recommendation: Include a statement for compatible waste segregation for hazardous waste storage and spill containment in the final EIS.

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4. Reviewer: Mr. Kirkpatrick
Pages 2-29, 2-30

Comment: A duplicate copy of pages 2-29 and 2-30 appear in the draft STARS EIS.

Recommendation: Include only one copy of pages 2-29 and 2-30 in the final version of the STARS EIS.

5. Reviewer: Ms. Breen
Page 3-9, Section 3.2.1
Surface Water Quality

Comment: It is stated that the results of the study of surface ponds in the Mānā Plain/KTF area do not indicate residual hydrogen chloride effects of past launches at KTF. However, there is no data shown which measures the chloride level in the ponds before any launches in order to support this comparison and conclusion. The high levels of chloride in the samples near the KTF are assumed to be caused by the close proximity to the Pacific Ocean and the result of infiltration of sea water. This is not supported, however, by the relatively low chloride concentration found in sample point PP which appears to be about the same distance from the Pacific as sample point WR. Unless sample point PP differs greatly in geological and other physical characteristics from sample point WR, this reasoning of sea water infiltration does not seem valid.

Recommendation: Previous to any launches, include past water quality data for the ponds. This will serve as a comparison to current water quality data, and will be used to support the conclusion that past launches have not contributed to the surface water chloride levels. Also include physical descriptions of the surface water sample points rather than just a map. The two together serve as a much better resource to interpret water quality data.

6. Reviewer: Mr. Kirkpatrick
Page 3-13, NAAQS (Table 3-3)

Comment: An annual National Ambient Air Quality Standard (NAAQS) value should be included for carbon monoxide (CO, annual NAAQS equal to 9 ppm, or 10,000 ug/m³). In addition, notation should be associated with the annual NAAQS for CO and sulfur dioxide to state that they are annual geometric means.

Recommendation: Consider including an annual NAAQS value for CO and notating that the annual NAAQS for CO and sulfur dioxide are annual geometric means for Table 3-3.

7. Reviewer: Dr. Luz
Page 3-41

Comment: The suggestion is made that a day-night level of 75 decibels "is equivalent to the sound generated by a home garbage disposal." The reference to support this statement is Figure 3-11, which lists the noise level at three feet from a garbage disposal as being approximately 77 decibels. As it stands, the comparison is incorrect, because it fails to recognize that the day-night level is a 24-hour average. Thus, we cannot equate a garbage disposal to a given decibel value of day-night level unless we know the duration of the garbage disposal operation. In this case, there is a simple fix, since a garbage disposal operated for the fifteen daytime hours specified in the day-night level (0700-2200) with a background level of 45 decibels during the night hours would give an Ldn of 74.9 dB.

Recommendation: Alter the sentence to read, "This sound level is equivalent to the sound experienced by someone sitting 3 feet away from a garbage disposal operating continuously from 7:00 A.M. to 10:00 P.M. (Figure 3-11)."

8. Reviewer: Ms. Breen
Page 3-48, Section 3.11.3
Wastewater

Comment: The septic tanks are noted to have been designed for maximum usage expected for KTF and Strategic Target Systems activities. The design criteria should be better defined in numbers of population that the tanks and leach fields are able to support and consideration should be given to whether the launch pad activities will increase personnel numbers and therefore wastewater treatment needs.

Recommendation: Define design statistics with respect to population demands, and consider whether any potential increase in wastewater flow from extra personnel could be handled by the current septic tanks.

9. Reviewer: Ms. Breen
Page 4-5, Section 4.2.4
Mitigation Measures

Comment: All mitigation measures are based upon the assumption that there is no chance of ground water or drinking water contamination. There appears to be no research done on the toxicity of the possible contaminants in drinking water and to the surrounding lifeforms that may live in the surface waters. Since the chance of contamination was not considered, no treatment methods were researched. The spill plans included in section 4.9 and 4.10 do not mention any method of deterring infiltration of spilled hazardous material into the groundwater.

WR151 (cont.)

Recommendation: A mitigation plan should be prepared for the unexpected. The actual spill plan and clean-up methods to be employed should be included in order to determine their adequacy.

10. Reviewer: Mr. Kirkpatrick
Page 4-7, Air Quality Modeling

Comment: Modeled ambient air concentrations, using the TRPUF and the REEDM dispersion models, are given for the pollutants of concern. However, actual modeling input and output files are not given in the draft STARS EIS to confirm that the listed concentrations have been accurately modeled.

Recommendation: Include both the TRPUF and the REEDM dispersion modeling input and output files in the final STARS EIS.

11. Reviewer: Mr. Kirkpatrick
Page 4-7 through 4-22, Air Quality Modeling

Comment: Throughout the Air Quality Modeling Section, modeled pollutant specific concentrations are given for specified downwind distances. Without the input and output TRPUF and REEDM data sets to critique, it is difficult to determine if these "downwind" distances are direction specific radials or concentric distance radials.

Recommendation: Include additional information on the definition of the specified downwind distances from the TRPUF and REEDM model outputs.

12. Reviewer: Mr. Hardcastle
Page 4-45 Hazardous Materials and Waste

Comment: It is stated that the entire Pacific Missile Range Facility (PMRF) is considered a single facility under the Resource Conservation and Recovery Act (RCRA), and that the Strategic Target System (STARS), Kauai Test Facility (KTF), is a tenant on the PMRF which must comply to the standards applicable to the PMRF. Since the PMRF is a large quantity hazardous waste generator, tenants on its property, including the KTF which use the same EPA hazardous waste generator's number, must conform to the inspection, storage and training requirements designated for full generators.

Recommendation: Establish guidelines for the Strategic Target System's hazardous waste staging facility and operating personnel, which meet the storage and training requirements of the RCRA for full hazardous waste generators (40 CFR 262.34, 265.16 and the applicable sections of Subpart I of 40 CFR Part 265).

4

WR152

6190 Kuamoo Rd
Kapaa, HI 96746
April 6, 1991

Deputy Commander
U.S. Army Strategic Defense Command
CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, AL 35807-3801

Dear Sirs:

I feel that it would be irresponsible for the Army to jeopardize the unique, clean, fragile and accessible environment of Kauai by test firing 20-yr old refurbished rockets from PMRF.

Thank you.

Sincerely,
Rebecca Eve Solomon

2-138

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10

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WR153

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

TO WHOM IT MAY CONCERN:

PLEASE LET IT BE KNOWN THAT I OBJECT STRONGLY TO THE STRATEGIC TARGET SYSTEM IN GENERAL & ITS LOCATION ON KAUAI IN PARTICULAR. PLEASE CANCEL ALL FEDERAL FUNDS AND FUNDS FROM THIS PROJECT & TURN THEM TOWARDS OUR EDUCATION PROGRAMS.

Sincerely,
BRUCE COSBEY

Name BRUCE COSBEY
Address Box 445 KILAUEA - HI 96754
Street Address City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

2-139

1

WR154



FOR GUEST USE

Dear Sta. Emouye and Mr. Gallien

Stop the plans for testing missiles on Kauai. This island is changing every day, we the people expect and try to adjust. We the people have to stand up for our beautiful Kauai

Stop Star Wars.

I will not vote for you again.

Sincerely
Michael Shale

ITT Sheraton
WORLDWIDE HOTELS, LYNX, HILTONS & TRISTAR

2805 KAAHAPUULU DRIVE, MAUI, HAWAII 96751-1991
PHONE 808/681-2031 FAX 808/581-0456

SHERATON MAUI IS OWNED BY KYO-YA COMPANY LTD. HOTEL DIVISION AND OPERATED BY ITC SHERATON CORPORATION

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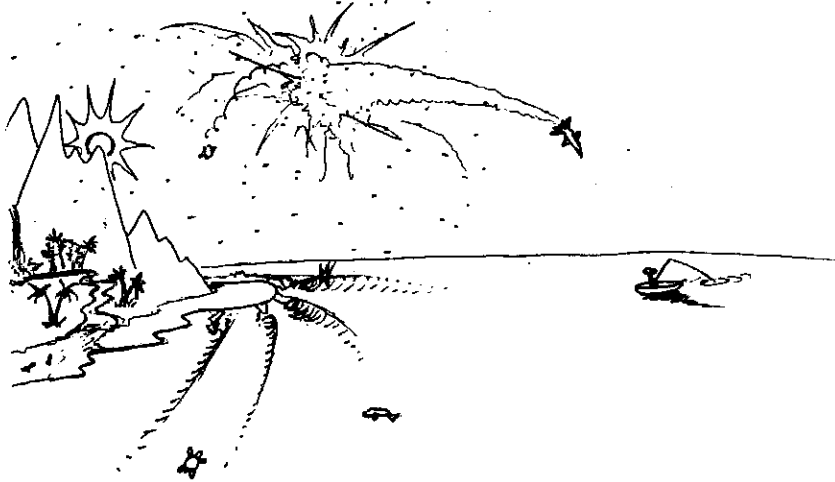
WR155

Dear Senator Enouye & Mr. Galien

I am greatly against the testing of
S.T.A.R.S Missile experiments

I have read they are not safe or
healthy for the environment here
on Kauai please take them elsewhere

1



Concerned
Individual
Writing Papers

2-140

WR156

April 8, 1992

Dear Senator Daniel Inouye,

I support the 'No Action' alternative on the Draft E.I.S. of the U. S. Army concerning the firing of missiles from the Pacific Missile Range Facility on Kauai. I am strongly opposed to Star Wars testing on Kauai for the following reasons:

1. Our environment is our economy. One accident could have a devastating effect on our tourism and real estate revenues.
2. The effect on our ozone layer has not been properly addressed within your E.I.S. Brominated fluorocarbon, a by-product of launching missiles, has been shown to deplete the ozone in our atmosphere.
3. Nohili Dunes is a culturally significant area, inappropriate for use as a launching site.
4. I do not want my tax dollars to perpetrate human rights violations upon the people of Ebey.

1

We understand that the employees of the Pacific Missile Range Facility have been threatened with the loss of their jobs if this program is not commenced. We have written to the U.S. Army requesting that the authorities please clarify this misconception immediately so that each P.M.R.F. employee may make a conscientious decision based on the true impact of the program, not under duress from fictitious threats.

2

Sincerely,

Joseph Prokofov
P.O. Box 3236
Princeville, Kauai, HI 96722

April 8, 1992

Dear Senator Daniel Inouye,

I support the 'No Action' alternative on the Draft E.I.S. of the U. S. Army concerning the firing of missiles from the Pacific Missile Range Facility on Kauai. I am strongly opposed to Star Wars testing on Kauai for the following reasons:

1. Our environment is our economy. One accident could have a devastating effect on our tourism and real estate revenues.
2. The effect on our ozone layer has not been properly addressed within your E.I.S. Brominated fluorocarbon, a by-product of launching missiles, has been shown to deplete the ozone in our atmosphere.
3. Nohili Dunes is a culturally significant area, inappropriate for use as a launching site.
4. I do not want my tax dollars to perpetrate human rights violations upon the people of Ebeys.

We understand that the employees of the Pacific Missile Range Facility have been threatened with the loss of their jobs if this program is not commenced. We have written to the U.S. Army requesting that the authorities please clarify this misconception immediately so that each P.M.R.F. employee may make a conscientious decision based on the true impact of the program, not under duress from fictitious threats.

Sincerely,

Valerie Williams

Valerie Williams
4796 Pelehu Road
Kapaa, HI 96746-1851

2-141

April 10th, 1992

Aloha Senator Inouye, Mr. Cooper, Mr. Gallien and anyone else involved with the SDI project decision,

I am a resident of Kawai and I am writing to you today to voice my extreme opposition to the SDI program that is scheduled to begin soon at PMRF, here on Kawai.

I firmly believe that this would be a tragic mistake.

An old Chinese proverb states: "IF we don't change direction..... We are going to end up exactly where we are headed."

We are rapidly destroying the very planet that we live on and should be striving to protect. "We have Found the enemy..... and they are us!"

I believe that 'National Security' is vitally important; but not at the expense of threatening our life-sustaining global environment - what's the point? A "safe country" in a world unfit to live in - who cares?

The U.S. Army and the U.S. government in general have a moral and a social responsibility to the citizens of the United States, and of the world - and not just to this generation, but to all the future generations yet to come.

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" We did not inherit this Earth From our ancestors..... we are borrowing it From our Grandchildren "

Accidents do happen. They have happened- they are happening - and they will continue to happen (in particular with antiquated equip.) A mishap here could be devastating; For those of us who live here on Kawai, For our tourist-based economy, and in particular For one OF the most beautiful + pristine places on God's Earth.

I am totally opposed to the entire SDI project; however, if it must continue, please do it somewhere that the U.S. gov. has already abused and polluted - and not here on Kawai.

\$ 35 billion dollars would go a long way towards cleaning up the shameful toxic waste sites strewn throughout our country and the world by the U.S. Gov. in the name of 'National Defense'.

Let's get our priorities straight- Now! Before it's too late.

Respectfully and Optimistically,

Doug M. Kibbin
P.O. Box # 394
Hawaii, HI - 96714

WR159

4/7/92
Joel Addison
P.O. Box 1481
Hanalei HI 96714

April 8, 1992

Dear Senator Daniel Inouye,

I support the 'No Action' alternative on the Draft E.I.S. of the U. S. Army concerning the firing of missiles from the Pacific Missile Range Facility on Kauai. I am strongly opposed to Star Wars testing on Kauai for the following reasons:

1. Our environment is our economy. One accident could have a devastating effect on our tourism and real estate revenues.
2. The effect on our ozone layer has not been properly addressed within your E.I.S. Brominated fluorocarbon, a by-product of launching missiles, has been shown to deplete the ozone in our atmosphere.
3. Nohili Dunes is a culturally significant area, inappropriate for use as a launching site.
4. I do not want my tax dollars to perpetrate human rights violations upon the people of Ebeve.

We understand that the employees of the Pacific Missile Range Facility have been threatened with the loss of their jobs if this program is not commenced. We have written to the U.S. Army requesting that the authorities please clarify this misconception immediately so that each P.M.R.F. employee may make a conscientious decision based on the true impact of the program, not under duress from fictitious threats.

Sincerely,

Joel Addison

WR160

*Josh Addison
P.O. Box 1481
Hanalei HI 96714
4/7/92*

April 8, 1992

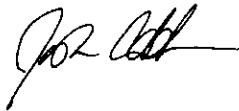
Dear Mr. Gallien,

I support the 'No Action' alternative on your Draft E.I.S. I am strongly opposed to Star Wars testing on Kauai for the following reasons:

1. Our environment is our economy. One accident could have a devastating effect on our tourism and real estate revenues.
2. The effect on our ozone layer has not been properly addressed within your E.I.S. Brominated fluorocarbon, a by-product of launching missiles, has been shown to deplete the ozone in our atmosphere.
3. Nohili Dunes is a culturally significant area, inappropriate for use as a launching site.
4. I do not want my tax dollars to perpetrate human rights violations upon the people of Ebeye.

We understand that the employees of the Pacific Missile Range Facility have been threatened with the loss of their jobs if this program is not commenced. Please clarify this misconception immediately so that each P.M.R.F. employee may make a conscientious decision based on the true impact of the program, not under duress from fictitious threats.

Sincerely,



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2-143

WR161

3695 Waha Road
Kalaheo, HI 96741
April 5, 1992

Senator Daniel Inouye and Mr. Randy Gallien,

I continue to have serious concerns over the STARS program. The recent EIS has not alleviated those fears. The EIS was not specific and quantatative in giving base line figures as to what "no significant impact" on our environment means. Where is the specific documentation with figures that allowed that conclusion to be reached? Where is the rest of the report? Generalities can and do mask many figures that one might not want known.

The EIS says there is a 97% operations reliability per launch. Sounds good. What is the probability that two launches are totally successful? Ninety-seven per cent to the second power equals ninety-four percent. When one continues to see the probability of all 40 launches being successful - 97% to the 40th power - (using the standard math formula for probability of success), it turns into an appalling 30% probability of success!! Is this figure significant to you? This is not an emotional argument. It is a factual mathematical one.

I support the PMRF base here on Kauai. It is an important asset. I do not, however, support the testing of a weapons program of questionable and limited use that has a price tag of billions of dollars, has a 70% probability of at least one launching error, has an incomplete EIS, and impacts on so many peoples lives.

This goes beyond being an argument about Kauai people, quality of our lives and those in the Marshall Islands. The STARS program should not take place at any time in any country. The price is beyond reason.

Sincerely,

Yvette Bamba
Yvette Bamba

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11-10000

WR162

12 April 1992

To: Senator Daniel K. Inouye
Mr. Randy Gallien

Subject: Strategic Target System

Gentlemen:

I feel I must respond to the proposed Strategic Target System vehicle launches at the Kauai Test Facility, PMRF. It's an issue that concerns me deeply, an issue that has intruded upon our lives on this island.

I strongly deplore the military's plan in accommodating and seeing this proposal through. The testing of refurbished rockets as part of an SDIO program, has no place on very fragile island environment like Kauai - a nature wonderland of imposing physical beauty, with a natural, rural lifestyle of precious bygone days. We MUST preserve and protect what we have and not let the greater powers that be dictate our livelihood and future for this island.

I concur with Representative Patsy Mink's assessment of the DEIS, and feel that many valid points were raised in her testimony. Among them, the summary dismissal of many issues as "small risk", "unlikely", "all precautions will be undertaken", "insignificant", "no impacts anticipated", and "very little hazard". Such comments begs a quantifiable explanation, and does not alleviate my concerns. Little attention has been paid to alternative actions, or alternative plans, implying that it should be the US Army's way or, the "No Action Alternative". We are left with an all or nothing proposition.

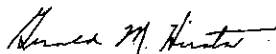
My fellow Kauaians who work at PMRF should be granted assurances by the US Navy, the US Army, and government officials that this proposed project, if not implemented, does NOT mean a sentence of closure for the base facility. Not enough assurances have been directed toward this major concern.

Missile launchings and testing as part of SDI, is not the kind of projects I'd want secured, for the survival of this base. PMRF needs to focus on alternate activities and projects that provide personnel, crew, and technical training. PMRF should not be expanding it's infrastructure that will change the landscape or seascape, ie. upgrading the launching pads, building rocket and fuel storages, or constructing a dock-landing site for transportation of liquid propellants.

The land upon which the base rests is not one to be sculptured and defaced in the name of national security. Nor should the we tamper with the delicate social and spiritual fabric of our community until we have weighed, very seriously, the potential outcome.

I thank you for allowing me to state my concerns.

Mahalo.


Gerald M. Hirata
P.O. Box 565
Hanapepe, HI 96716

2-144

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WR163

Written Comment Sheet

Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I believe that PMRF should continue as an underwater testing range for surface ships and aircraft. Its agenda, however, should not be expanded to include the testing of space-based nuclear defense weapon systems. The testing of the Polaris, Aries and other missiles, as the Army wants to do, is not needed.

According to the insert in the Draft of the EIS headed "Strategic Target System- Project Overview"(March 1992), these tests have been ongoing for over thirty years. If the United States cannot find an effective system after all these years, evaluation should be made on another system. If the proposed launches at PMRF are approved, Hawaiian Crown Lands, including cultural, spiritual and other archaeological sites, will be affected to the point of desecration.

For example, the hazardous materials would be stored on Hawaiian Homelands adjacent to PMRF. Burial grounds will be affected. Surely, one would not consider launching missiles next to Punchbowl Cemetery or Arlington Cemetery!

Name Karl Lo

Address P. O. Box 887 Koloa, HI 96756

Street Address City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

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2

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

If the EIS for the Strategic Target System had been made by an impartial agency, it would be easier for residents like me to believe in the sincerity of the proponents of the STARS program at Pacific Missile Range Facility (PMRF).

As a concerned resident I strongly recommend that the U.S. Army Strategic Defense Command take the NO ACTION ALTERNATIVE: i.e., NO STARS LAUNCHES AT PMRF. Although this is a personal statement, I know that there are hundreds-- in fact, thousands -- of Kauai residents who feel the same I do, but who are not taking the opportunity to express their opposition because they believe the issue has been decided and that the hearings, pronouncements, letter writings, telephonings, and other efforts to stop the STARS project are all exercises in futility.

I surely hope that they are wrong because the decision makers must listen to the people of Kauai and take into consideration the concerns of the people who call the Garden Island "home."

I have a number of concerns. First, the STARS launches will release an alarming amount of freon into the atmosphere, depleting the ozone layer, and endangering plant and animal life, including human life. Second, the launches will have a psychological impact on the people of Kauai who fear potential hazards and mishaps that could be catastrophic. Third, cultural and historical sites would be affected. Fourth, the STARS launches run counter to peace initiatives.

I should continue enumerating my concerns, but I'll add just one other observation: the STARS launches are not necessary for the security of the United States. The project serves no useful purpose!

Name Catherine P. Lo
Address P. O. Box 887 Koloa, HI 96756
Street Address City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

2-145

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April 3, 1992

Sen. Luauye
Washington D.C.

Dear Senator Luauye,

I have written to you before on this issue of the proposed STARS program & the missile launcher from PMRF. I am very much opposed to this program, and I gave public testimony to that effect at the hearing held by the Army last week here on Kauai.

I am writing through now to let you know that as a long time resident of Kauai I fully support PMRF. I voiced this in my recent testimony. I would like to see this base remain open & a part of the diverse economy on Kauai. I hope that the future of PMRF will not be dependant on the presence of the STARS program there. Please, keep PMRF - but NO STARS on Kauai!

Sincerely yours,

Polli C. Oliver

Polli C. Oliver
P.O. Box 81
Koloa, Kauai, HI 96756

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WR166

DENNIS J. OLIVER
P. O. BOX 87 · KOLOA, KAUAI, HAWAII 96756

April 4, 1992

Senator Daniel Inouye
Washington, D.C.

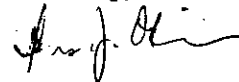
Dear Senator Inouye,

I wish to convey to you my earnest desire to see the Navy Facility at Barking Sands on Kauai remain open. I have lived on Kauai for over 20 years and have always felt that PMRF was an asset to our island community.

I also want to take this opportunity to express my adamant opposition to the proposed STARS rocket launches from PMRF. I hope you will do everything in your power to see to it that Kauai not have this program here on Kauai.

Thank you for your assistance in this matter.

Sincerely,



2-146

WR167

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

*INNOV I don't support Starwars
we can not have it here in Kauai
It must stop. The Island will die
with no funds.*

Name *Daniel Inouye*

Address *P.O. Box 781 Hanalei, Kauai HI 96714*

Street Address

City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

WR168

April 7, 1992

I am opposed to the Stars Program on Kauai. The fragile environment of this island could not sustain any type of accident that results from negligence at the Missile Range. STARS does nothing to further ~~to~~ secure our National Defense. Please stop this program NOW.

Sincerely
Frank Henderson
Box 827
Kilauea HI
96754

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2-147

WR169

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I don't support Star Wars
But I do support PRMP

1

Name

Address

Street Address

City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

WR170

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I don't support Star Wars!!
but I do support PDM

1

Multiple horizontal lines for writing comments.

Name George F. Dabkin
Address 5085 Hauwala Rd. Kapaa HI 96746

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

2-148

WR171

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I do not support STAR WARS.

1

Multiple horizontal lines for writing comments.

Name Joe Chandler
Address P.O. Box 10 Kilauea, Kauai 96754

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

WR172

April 7, 1992

As a mother, and a long
time resident of Kauai,

I am completely opposed to
any missiles on Kauai; any

I moved to this wonderful
island at great expense to
live a life free from
the poison of warfare.
It would be a crime against nature.

Bonnie Miller
P.O. Box 983
Anahola HI 96703

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2-149

WR173

4/3/92

Dear Senator Inouye
and Mr Gallien,

I am asking you please
to stop the Star Wars on
Kauai.

I am against any missiles
here or anywhere on the
world.

Mahalo

Isabelle Winiwiger.

Isabelle Winiwiger
PO BOX 612
KILAUEA 96754
HAWAII

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WR174

3-31-92

To Senator Inouye and
Mr. Gallien,

I am pleading with
you to please stop the
Star Wars program from
coming to Kauai. I feel
it is dangerous & there are
no advantages to bringing
it here. I have nothing
against PMRF - just
the SDI project.

Mahalo,

Ruby Star

RUBY STAR
PO Box 959
Kilauea, HI
96754

2-150

WR175



THE PACIFIC ECUMENICAL FORUM

7 April 1992

The Deputy Commander,
US Army Strategic Defense Command,
CSSD-EN-V [D.R. Gallien]
P O Box 1500,
Huntsville,
AL 35807 - 3801
UNITED STATES OF AMERICA

Dear Sir,

RE : THE PROPOSAL OF STRATEGIC TARGET SYSTEM [STARS]
PROGRAMME; 40 ROCKETS OVER A 10 YEAR PERIOD

The news of the [heartless] proposal mentioned above has
stunned our Christian communities here in the West Coast
of America, Asia and the Pacific.

The proposal stated a 10 year programme of four annual
launching, which would be aimed towards Kwajalein Atoll,
where the military would test its missile detection and inter-
ception systems.

Allow me to bring to your attention that the Kwajalein Atoll
is a cluster of many small islands circling the most beautiful
and largest lagoon in the world. None of these islands
are more than a few meter above sea-level. Some of them
are still inhabited by the Marshallese with the exceptions
of Roi-Namur, Meck and Kwajalein.

We, the Christian people of the West Coast of America, Asia
and the Pacific, who make up the Pacific Ecumenical Forum
[in which the Marshall Islands is a member] urge you to
review your mission for the next few years. The people
whose lives will be endangered by the effects of radio-active
and fall-outs together with psychological effects resulting
from such dangerous games : "a target of opportunity" are
your own brothers and sisters [the citizens of USA and
the Marshallese].

I would therefore ask your Government to halt the Strategic
Defense initiative testing programme and thereby cease to
use the Pacific as a backyard and dumping ground for
the United States of America.

I look forward to your response.

Yours faithfully,

Sister Pesi Iosefo SMSM
PEF Co-ordinator

P.O. Box 2288, Government Buildings, Suva, FJI
Telephone (679) 365-168 FAX: (679) 362-805

Mr Ronald S Fujlyoshi
Ms Elizabeth Freeman ✓

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1000

WR176

April 2, 1992

Senator Daniel Inouye
U. S. Senate
Washington, DC

Attn: Randy Gallien

Dear Senator Inouye:

I want to voice my support for PMRF. Also, I want to express my opposition to STARS.

First of all, the effectiveness of STARS as a defense concept has been challenged by experts in many fields, and those who promote the program most often are those whose self-interests are involved.

Secondly, there are enormous needs which we have as a nation (and which we also have as an island), and while in more affluent times the allocation of large resources to an experimental program might be acceptable, in today's economy it simply doesn't make sense to me.

Finally, and most importantly of all, Kaua'i's environment is too fragile and the long range welfare of all of Kaua'i is too dependent on the maintenance of the special nature of that environment to take any chance on anything that might negatively affect it.

I know from your support in the past of Kaua'i preservation projects, such as the establishment of the Crater Hill Wildlife Refuge, that you care about Kaua'i. I urge you to act also in this instance as an advocate of the people of Kaua'i and of the island itself.

Sincerely,

Juhe B. Stark
Juhe B. Stark
Box 398
Kilauea, HI 96754

2-151

WR177

April 3, 1992

Dear Senator Inouye and Mr. Gallien,

I am writing you to express my opposition to the SDI Star Wars missile launch program, proposed for Kauai. Let me say that while I am not opposed to the PMRF as it now exists, I am concerned about the negative impact of the proposed launches on the environment and on the quality of life here on Kauai. Please don't allow Star Wars missile launches from Kauai.

sincerely,

Skip Templeton

Skip Templeton
PO Box 1224
Hanalei, HI. 96714



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WR178

P.O. Box 887
Koloa, HI 96756

MEMORANDUM

TO: Senator Daniel K. Inouye
Commander D. Randy Gallien

SUBJECT: STARS Launches on Kauai

I believe that PMRF should continue as an underwater testing range for surface ships and aircrafts. Its agenda, however, should not be expanded to include the testing of space-based nuclear defense weapon systems. The testing of the Polaris, Aries, and other missiles, as the Army wants to do, is not needed.

According to the insert in the draft of the EIS headed "Strategic Target System: Project Overview" (March 1992), these tests have been ongoing for over thirty years. If the United States cannot find an effective system after all these years, evaluation should be made on another system.

I'm opposed to STARS launches at PMRF because Hawaiian Crown Lands, including cultural, spiritual, and other archaeological sites will be affected to the point of desecration. For example, hazardous materials would be stored on Hawaiian Home Lands adjacent to PMRF. Burial grounds will be affected. Surely, one would not consider launching missiles next to Punchbowl Cemetery or Arlington Cemetery!

Please stop the proposed STARS project on Kauai.

Sincerely,


Kari Lo

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WR179

April 8, 1992

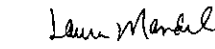
Senator Inouye & Mr. Gallien,

This is a letter of protest against the SDI (STARS) program being considered at PMRF on the Hawaiian island of Kauai. This world, this country, and, more specifically, the island of Kauai does not need SDI research. That such a project is potentially dangerous is a given; why else would the remote island of Kauai be considered as a location if this were not the case?

I personally would like to see that the current employees at PMRF continue to have worthwhile jobs there *without* adding the potential hazards inherent to the SDI program. In other words, I am not objecting to PMRF itself, just what is being proposed to occur there.

Once again, this letter is a protest against the SDI program. NO, not on this island, which is my home.

Sincerely,


Laura Mandel
PO Box 129
Kapaa, HI 96746

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2-152

WR180



Diane Jager

April 6, 1992

Senator Inouye

As a resident of Kauai I would like to say that I support PMRF and believe it is an asset to our community

But I do not support the Star Project and know that there are many other uses PMRF could have in the military that would support the base, Kauai, the environment and our life style

Mahalo

Diane Jager

1951 Muku Pl.
Koloa Kauai, HI 96756

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WR181

4/7/92

To Senator Inouye and Mr. Rando Gullickson

I am against the launching of the polaris miss.
for the STARS program on Kauai. I feel the missile may hurt the environment of Hawaii.

1

Sincerely

Emilio Bayudan

Emilio Bayudan

P.O. Box 323

Waimea, HI 96796

2-153

WR182

Senator Daniel Inouye
Mr. Randy Gallien

April 4, 1992

Dear Sirs:

It is difficult for me to imagine the possible negative outcomes to our island were the STARS missile launchings from Barking Sands to Kwajalein atoll to be approved. Potential accidents, noise, pollution, ozone depletion, becoming more of a target for hostile forces; who knows what types of things would be in store for us if STARS became a reality on Kauai.

Although it is difficult to imagine our small island suffering such degradation, I'm certain the people of Kwajalein never dreamed that their island would suffer its fate either. Would you want such launchings with seemingly little to gain for any Americans, to begin in your home town?

Please do whatever you can to keep STARS launchings away from Kauai, and please question, on my behalf, the necessity of a STARS program at all. Thank you.

Sincerely, Iida Iomio
3735-C Omao Rd
Koloa, HI 96756

2-154

WR183

April 8, 1992

Senator Inouye & Mr. Gallien,

This is a letter of protest against the SDI (STARS) program being considered at PMRF on the Hawaiian island of Kauai. This world, this country, and, more specifically, the island of Kauai does not need SDI research. That such a project is potentially dangerous is a given; why else would the remote island of Kauai be considered as a location is this were not the case?

I personally would like to see that the current employees at PMRF continue to have worthwhile jobs there *without* adding the potential hazards inherent to the SDI program. In other words, I am not objecting to PMRF itself, just what is being proposed to occur there.

Once again, this letter is a protest against the SDI program. NO, not on this island, which is my home.

Sincerely,

Mark Mandel
MARK MANDEL
P.O. Box 129
KAPAA, HI 96746

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April 9, 1992

To Whom it May Concern -

The time has come to say Yes to the vision of Peace that we hold for this planet - our only home. The time has come to honor the sacredness of the lands that the United States Government took from the Native Hawaiian people. The time has come to remember the Golden Rule when we think about what has been done to the Marshallese, packed like sardines onto a tiny atoll in the Pacific. The time has come to stand up for our Mother Earth and her fragile, life sustaining atmosphere.

How can the EIS prepared for the STARS program claim to have no significant impact on the environment when it desecrates the sacredness of the Hawaiian lands that the missiles will be launched from? When it displaces an entire people from their home and culture? When it threatens to destroy more of our precious ozone layer? And when it has divided the people of this island into opposing camps?

We must begin now to heal the sense of separation among all people. Our Earth is

too small and our environmental challenges too pressing to not realize that as we move into the 21st century we must become World Citizens, united in Harmony.

I oppose the STARS program in any form.

Sincerely,

Lisa de Treaux Wansel

PO Box 493

Kilauea Hi.

96754

WR185

April 3, 1992

4332 Naulu Place
Koloa, HI 96756

Dear Senator Inouye and Mr. Gallien,

I am writing to oppose the STARS missiles on Kauai. While I believe that the Pacific Missile Range Facility serves an important purpose as one of the premier areas in the country for underwater fleet training, I do not support the base as a place to launch larger missiles like STARS.

As a nurse, I am deeply concerned about the health effects of these launches. First, it is documented in the Army's Draft Environmental Impact Statement that the twenty-year old Polaris missiles will emit hazardous chemicals such as aluminum oxide and hydrochloric acid into our atmosphere. Even a small amount of excess acid in the air can cause breathing problems in humans. Research has linked aluminum oxide with Alzheimers disease. In addition, should a rocket misfire and need to be exploded, hydrazines and nitrogen tetroxide will be released—extremely deadly chemicals that could contaminate our land, sea, fresh water and air.

Second, the STARS rockets will release 90 kilograms of freon four times per year for the next ten years. According to a NASA report dated February 1992, the ozone layer over Kauai shows a 10 percent drop in density, which means that 20 percent more harmful ultraviolet radiation is being allowed to penetrate, which increases our already-high potential for skin cancers, cataracts, and immune system damage. From a health practioner's perspective, this destruction of the earth's ozone layer must stop, or we will all suffer the consequences. What good can such missile tests do when we are suffering from cancer, cannot go out in the sun, and when there is no fresh air to breathe?

Thank you for your attention.

Sincerely,

Nancy Tyler, R.N.

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2-156

WR186

3735-C Omao Road
Koloa, Kauai, HI 96756

April 4, 1992.

Senator Daniel Inouye
Mr. Randy Gallien

Dear Sirs:

As a concerned citizen of Kauai I am writing to you to implore you to oppose the launching of STARS missiles from Barking Sands. The reasons I am against these launchings have been so eloquently and emotionally stated at the recent STARS hearings: the dangers to human life on Kauai in the case of an accident, multiple environmental concerns, the limiting of Polihale Beach access, the incredible cost of the program, and on and on.

The task of creating a more integrated global society requires collective and personal changes. To have peace in the world, we must look at fundamental issues that involve the way we arrange our society and set our personal priorities.

I urge you to take a step toward a global perspective and oppose the STARS program.

Sincerely yours,

Cynthia McKenna

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WR187

April 8, 1992

Senator Inouye & Mr. Gallien,

This is a letter of protest against the SDI (STARS) program being considered at PMRF on the Hawaiian island of Kauai. This world, this country, and, more specifically, the island of Kauai does not need SDI research. That such a project is potentially dangerous is a given; why else would the remote island of Kauai be considered as a location if this were not the case?

I personally would like to see that the current employees at PMRF continue to have worthwhile jobs there *without* adding the potential hazards inherent to the SDI program. In other words, I am not objecting to PMRF itself, just what is being proposed to occur there.

Once again, this letter is a protest against the SDI program. NO, not on this island, which is my home.

Sincerely,

LARRY FALTING
GENERAL DELIVERY
ANAHOLA, HI 96703

1

2-157

WR188

April 8, 1992

Senator Inouye & Mr. Gallien,

This is a letter of protest against the SDI (STARS) program being considered at PMRF on the Hawaiian island of Kauai. This world, this country, and, more specifically, the island of Kauai does not need SDI research. That such a project is potentially dangerous is a given; why else would the remote island of Kauai be considered as a location if this were not the case?

I personally would like to see that the current employees at PMRF continue to have worthwhile jobs there *without* adding the potential hazards inherent to the SDI program. In other words, I am not objecting to PMRF itself, just what is being proposed to occur there.

Once again, this letter is a protest against the SDI program. NO, not on this island, which is my home.

Sincerely,

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WR189

Nanette Gettier
General Delivery
Anahola, Kauai, HI 96703

April 3, 1992

Dear Mr. Gallien and Senator Inouye,

I am writing to express my opposition to the proposed STARS missile launches from Barking Sands to Kwajalein atoll for the following reasons:

- 1) The missile launches are an environmental hazard to Kauai and beyond. The release of freon will drastically affect the ozone layer over Kauai, increasing our already high potential for skin cancers, cataracts, and immune system damage. The ground hazard area for the STARS missiles is 10,000 square feet whereas it should be at least 600 square miles. Potentially the areas within a 600 mile radius can be affected by hazard materials. Additionally, the potential for rocket failure is high because the army is using 20 year old missiles. In case of failure, nearby Hawaiian homelands could be damaged.
2. The relocation of 10,000 Marshall islanders to a location barely a square mile in size in order to provide a target site is an atrocious act. Such a proposal robs these native people of their land and their traditional way of life.
3. According to Capt. Robert Mullins, commanding officer at PMRF, not having STARS at PMRF will not lead to closure of PMRF. Yet with STARS, countless residents and visitors to Kauai will lose unlimited access to Polihale Beach, a uniquely beautiful place. Kauai is appreciated by residents and visitors alike because it offers a pristine and beautiful environment that can only be tainted by the proposed STARS missile launches.

Thank you for listening to another concerned resident of Kauai.

Sincerely,

Nanette Gettier
Nanette Gettier

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2-158

WR190

April 8, 1992

Dear Mr. Gallien,

I support the 'No Action' alternative on your Draft E.I.S. I am strongly opposed to Star Wars testing on Kauai for the following reasons:

1. Our environment is our economy. One accident could have a devastating effect on our tourism and real estate revenues.
2. The effect on our ozone layer has not been properly addressed within your E.I.S. Brominated fluorocarbon, a by-product of launching missiles, has been shown to deplete the ozone in our atmosphere.
3. Nohili Dunes is a culturally significant area, inappropriate for use as a launching site.
4. I do not want my tax dollars to perpetrate human rights violations upon the people of Ebeye.

We understand that the employees of the Pacific Missile Range Facility have been threatened with the loss of their jobs if this program is not commenced. Please clarify this misconception immediately so that each P.M.R.F. employee may make a conscientious decision based on the true impact of the program, not under duress from fictitious threats.

Sincerely,

Pamela J. Palmer
P.O. Box 238
Hanalei HI 96714

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2

WR191

Lt. Col. Robert M. Bowman, Ph.D., USAF, ret.
Institute for Space and Security Studies
5115 S. A1A Highway
Melbourne Beach, FL 32951

March 24, 1992


U. S. Army Strategic Defense Command
P.O. Box 1500
Huntsville, AL 35807-3801

re: Draft Environmental Impact Statement (DEIS)
Strategic Target System (STARS)

Dear Sirs:

As a former Director of "Star Wars" programs under presidents Ford and Carter, I have been asked by citizens of Kaua'i to comment on the Draft EIS for the STARS program. My comments are attached.

Sincerely,


Lt. Col. Robert M. Bowman, Ph.D.
President, ISSS

Atch: Comments
Bio

2-159

WR191 (cont.)

Comments on Draft EIS for the STARS Program

by Lt. Col. Robert M. Bowman, Ph.D., USAF, ret.

The Draft EIS has identified numerous significant impacts of the STARS program and a number of serious hazards. It lists actions to be taken to mitigate the effects and minimize the risks. I have serious doubts about the effectiveness of these actions, and reservations about the reliability of the refurbished Polaris solid rocket motors, in particular.

What is absolutely clear, however, is that some impacts and risks remain. The document does not quantify the reliability of the Polaris first stage, for example, but we know it's not 100%. Previous Army claims of 97%, even if believed, would still result in a 70% probability of at least one catastrophic failure in the planned 40 launches. And even if no accident ever occurs, tons of acid and toxic aluminum will be dumped into the atmosphere over the island. Any honest reading of the Draft EIS must conclude that the Army is proposing numerous complex, almost heroic, measures to minimize the impact of the STARS program. But one must also conclude that, in spite of these measures, many impacts and risks will inevitably remain. You simply cannot carry on such activities in such a unique and ecologically sensitive location without serious impact.

The document also makes it clear that these impacts are totally unnecessary. The DEIS concludes that the "Do Nothing Alternative" would be far preferable from an environmental perspective. It turns out that this alternative would also be far preferable from a national security perspective. For over a decade I have opposed "Star Wars" and the SDI program which grew out of it because they made nuclear war more likely. My judgment has been shared by the Joint Chiefs of Staff. Now, since we no longer have a potential superpower enemy to go to war with us, the danger of "Star Wars" to our security has lessened, but it hasn't gone away. It is still isolating us from the world community of nations, reinforcing our image as world bully, and draining resources and brainpower from the civilian space program and commercial high-tech industry. And it still has no legitimate mission.

Global Protection Against Limited Strikes (GPALS) can do nothing to protect the people of the United States from nuclear terrorism. If I was an international terrorist, and I finally got hold of a bomb, the last thing I would do would be to start a 15-year development program to build an Inter-Continental Ballistic Missile (ICBM) to deliver it. I would just float it up the Potomac on a barge, or to Waikiki on an outrigger, or maybe fly it into Red Square in a Cessna. STARS and "Star Wars" weapons do nothing to neutralize such threats. But the politicians and bureaucrats running the program, spurred on by the contractors who profit from it, are continuing anyway. So the Army (which doesn't make the policy) is preparing to rape Kaua'i for a program the Joint Chiefs of Staff have never wanted.

page 1

1

WR191 (cont.)

One of the ironies of all this is that they don't need to use Kaua'i. There are many other ways to put those STARS payloads into the proper trajectory if they insist on continuing the program. Have you ever asked yourself why (if they insist on using the Polaris) they don't just fire them out of submarines, the way they were designed? The answer is that those old rockets are so dangerous, that they would probably explode, destroying the submarine, and killing everybody in it. They'd rather blow them up on Kaua'i where they would only endanger fish, birds, whales, exotic plants, an ancient burial ground, a few natives, and the tourist industry.

One of the great failings of the Draft EIS is its failure to seriously address many of the other alternatives. Personally, I prefer the "Do Nothing Alternative." But several others, if evaluated, would have been found to be environmentally far superior to the Proposed Action. Unfortunately, they were eliminated from further consideration on questionable grounds.

In particular, it is shocking to see the floating barge, fixed ocean platform, and Minuteman III from Vandenberg options eliminated primarily because of treaty considerations. The possible technical difficulties with the INF Treaty could have been easily overcome or circumvented. If START would have prevented encryption of signals using Minuteman III, so what? What are we trying to hide from whom? And since when has the SDI program been so concerned about avoiding even minor technical conflicts with treaties? The whole SDI program is in violation of both the letter and the spirit of both the ABM Treaty and the Outer Space Treaty.

Do the writers of this DEIS really expect us to believe that if the island of Kaua'i didn't exist, that there would be no STARS program, because no other alternative is even possible and worth evaluating? This glaring falsehood calls into question everything else in the document. In the old days in the Pentagon, we had a description for a study like this one: "an exercise you go through to justify a decision already made on political grounds." Nothing has changed in the last two decades.

The people of Kaua'i are not holding up GPALS or the STARS program. They're just asking that it be done some other way that doesn't endanger their lives, their culture, their environment, and their livelihood. It is I who say, "Don't do it at all." Don't endanger this precious island for a Suicidal, Dangerous, Insane (SDI) program that we in the military don't need.

Lt. Col. Robert M. Bowman, Ph.D., is President of the Institute for Space and Security Studies in Melbourne Beach, Florida. From 1976 to 1978 he directed the "Star Wars" programs under Presidents Ford and Carter, when their existence was secret. His military career took him to 34 countries, and included 101 combat missions in Vietnam. His PhD is in Aeronautics and Nuclear Engineering from Cal Tech.

ISSS, 5115 S. ALA Hwy., Melbourne Beach, FL 32951; (407) 952-0600

2-160

WR192

April 8, 1992

Dear Mr. Gallen,

I support the 'No Action' alternative on your Draft E.I.S. I am strongly opposed to Star Wars testing on Kauai for the following reasons:

1. Our environment is our economy. One accident could have a devastating effect on our tourism and real estate revenues.
2. The effect on our ozone layer has not been properly addressed within your E.I.S. Brominated fluorocarbon, a by-product of launching missiles, has been shown to deplete the ozone in our atmosphere.
3. Nohill Dunes is a culturally significant area, inappropriate for use as a launching site.
4. I do not want my tax dollars to perpetrate human rights violations upon the people of Ebeys.

We understand that the employees of the Pacific Missile Range Facility have been threatened with the loss of their jobs if this program is not commenced. Please clarify this misconception immediately so that each P.M.R.F. employee may make a conscientious decision based on the true impact of the program, not under duress from fictitious threats.

Sincerely,

Nolei K. Kanani - Anania
Nolei K. Kanani - Anania
6927 Ukaia p1.
Kapaa, HI 96746

I would like to know why "mainland" missile testing facilities are surrounded by 100 miles of fenced land w/ no one allowed inside + PMRF, where these "old" missiles with likely age problems will be blown off, about a town. "Hind-sight" will not be good enough here.

WR193

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

Ann Stoney
I don't support Starwars but I do support
PRMF

Name *Ann Stoney* *Garret Gasaway*
Address *1163 Kawaiahae Kapaa*
Street Address City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

2-161

WR194

JOHN WAHEE
GOVERNOR OF HAWAII



STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
P.O. BOX 621
HONOLULU, HAWAII 96809

WILLIAM W. PATY, CHAIRPERSON
BOARD OF LAND AND NATURAL RESOURCES
DEPUTIES
JOHN P. KEPPEL II
JONA . HANAIKI
ADJUTANT GENERAL
PROGRAM
ADJUTANT GENERAL
CONSERVATION AND
ENVIRONMENTAL AFFAIRS
CONSERVATION AND RESOURCES
ENVIRONMENTAL
CONVEYANCES
FORESTRY AND WILDLIFE
HISTORIC PRESERVATION PROGRAM
LAND MANAGEMENT
STATE PARKS
WATER AND DEVELOPMENT

REF:OCEA:SKK

FILE NO.: 92-549
DOC. ID.: 509

Deputy Commander
U.S. Army Strategic Defense Command
ATTN: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

Dear Sir:

SUBJECT: Draft Environmental Impact Statement (DEIS) for the Strategic Target System Program, Pacific Missile Range Facility, Kekaha, Kauai, Hawaii - TMK: various

Thank you for giving our Department the opportunity to comment on this matter. We have reviewed the submitted DEIS for the Strategic Target System and have the following comments. Also attached are comments from the State Department of Health.

Office of Conservation and Environmental Affairs Comments:

Under Section 4.6.1.1 covering flight preparation, potential impacts on land use could occur while the Strategic Target System Booster is on the launch pad. During this time (an average of 14 days), all nonessential contractor, civilian and military personnel as well as the public would be cleared from the explosive safety quantity-distance (ESQD) area. This ESQD area would affect approximately .5 mile of shoreline located within the PRMF Recreation Area 1. This represents 2.3 percent of beach area on along western Kauai.

Launches (4 per year) associated with the STARS Program would result in the closure of Recreation Area 1 for an additional 56 days per year. This represents an increase of 11 percent, from 30 percent (current percentage of days closed due to flight prep.) to 41 percent per year.

Deputy Commander

-2-

File No.: 92-545

Actual launch/flight activity will affect 688 off-base hectares (1,700 acres) of state-owned land leased to the Kekaha Sugar Company for the production of sugar cane and 154 acres of Polihale State Park.

Land uses within the off-base ground hazard area would continue except during launch operations, when the area would be verified clear for safety purposes approximately 20 minutes prior to each scheduled launch. PRMF personnel may enter the area up to three hours before launch to post signs and to give notice to any people within the area of their need to leave. Clearance would affect only six percent of the Kekaha Sugar Company leased land and interrupt transit to Polihale State Park and the beach along PRMF.

The DEIS reports that access to Polihale State Park will be temporarily closed for a minimum of 20 minutes and up to 40 minutes per launch. In addition to STARS launch activities, these clearing/closure procedures, combined with similar activities for other PMRF/KTF and EDX program launches, could result in a total time of fifteen (15) hours per year that the area would be verified clear.

Also, as indicated in the submitted report, a memorandum of agreement (MOA) is being developed among PRMF, the Hawaii Department of Land and Natural Resources, and the Kekaha Sugar Company. This agreement would allow PRMF security forces to request that the area be verified clear of all nonessential personnel for approximately 20 minutes for each flight. Also, PRMF would notify the State in advance of clearance.

According to the DEIS, the calculated impact of missile launch activities on access to Polihale Beach Park and PRMF beaches would be equal to 80 minutes per year, with the potential for an additional 80 minutes per year to accommodate weather, maintenance, and technical delays, in which the area would be verified clear. We believe this underestimates the actual impact of launching operations on public use and access. If you add the time required for clearance activities preceding each launch, the impacts become more pronounced (3 hours/launch + 4 launches per year = 720 minutes per year).

Furthermore, it is assumed that delays associated with maintenance, weather, and/or technical related problems, would be only 20 minutes per launch. However, given the uncertainty of environmental variables affecting each launch, this assumption is questionable.

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Deputy Commander

-3-

File No.: 92-549

The DEIS is satisfactory from the standpoint of aquatic resources and values as well as flora and fauna. However, we are still quite concerned over the potential impact of launch/flight activities on public access to Polihale State Park and shoreline areas adjacent to PRMF. We question the reported closure/clearance periods and estimated launch delays (20 minutes respectively). It seems as though the actual time (launch window) necessary to safely and successfully conduct launch/flight activities would be somewhat longer. A more thorough/systematic discussion of launch/flight activities, including clearance activities, potential delays, and the exact areas to be affected should be conducted. Moreover, these launch/flight/clearance activities must be discussed in light of their cumulative/comprehensive impact on public use of the affected areas.

Also, our Department's Historic Sites section has responded directly to the DOD (refer to attached letter from HPD).

Thank you for your cooperation in this matter. Please feel free to call me or Sam Lemmo at our Office of Conservation and Environmental Affairs, at 587-0377, should you have any questions.

Very truly yours,

John P. Keppeler
WILLIAM W. PATY

Attachment

3

2-162



STATE OF HAWAII
DEPARTMENT OF HEALTH
P. O. BOX 5878
HONOLULU, HAWAII 96861

September 26, 1990

JOHN C. LEWIS, M.D.
DIRECTOR OF HEALTH

In Reply, please refer to
EHW-80
2-170

Mr. Randy Gallien, USASOC CSSD-EN
106 Wynn Drive
P.O. Box 1600
Huntsville, Alabama 35807-3601

Dear Mr. Gallien:

Subject: Comments on the Revised Preliminary Final Environmental Assessment for the Strategic Target Systems (STARS)

Thank you for allowing us to review and comment on the subject document. We provide the following comments:

Air Pollution

The Environmental Assessment should provide as an appendix a detailed discussion on the air quality impact analysis. As a minimum, the following areas should be addressed:

1. The air pollution dispersion models and the meteorological conditions used in determining the air quality impacts should be clearly described along with any deviations or assumptions.
2. Since each launching is a limited-term event, the impacts should be determined for a shorter averaging period. A 1-hour average concentration is preferable to the 8-hour average concentration as reported.
3. The impact is calculated for a distance of 3,000 meters from the launch pad. The impact should be calculated for maximum concentration at or beyond the property line and also at the nearest residence.
4. The assessment of the emissions and the air quality impacts resulting from a liquid fuel spill, a launch pad explosion, and an early launch termination should be conducted.
5. It is not clear whether only solid propellant boosters will be used or whether liquid propellant may be used as an alternative. The air quality assessment should consider the impacts resulting from all the various types of boosters that might be employed.

~~CONFIDENTIAL~~

-2-

September 26, 1990

6. Health risks associated with air quality impacts should be discussed. At a minimum, the impact results with threshold limit values adjusted with an appropriate safety factor should be compared. It would also be important to discuss long-term effects associated with repeated exposures to potential air pollutants including carcinogenic effects. Worst case and most likely case scenarios should be considered.

Solid and Hazardous Waste

The report does address our concerns related to the generation and proper management of hazardous waste.

Hazard Evaluation and Emergency Response

1. The transportation safety plan for Hydrazine and Nitrogen tetroxide shipments should include the notification of both the State Civil Defense Agency and the Kauai County Civil Defense Agency.
2. For spills occurring during fueling/defueling of Hydrazine and Nitrogen tetroxide: "washing down to dilute concentrations" is not the best method for clean-up of these chemicals. Using sand or other absorbent material is the method of choice. Water spray should be used to control vapors (DOT 1990 Emergency Response Guidebook).

Otherwise, this report has adequately addressed the toxicological and health related aspects of the chemicals involved.

Noise

The Environmental Assessment contains no information on projected noise levels from STARS vehicles, therefore, the potential noise impacts on residential communities cannot be assessed.

The report indicates that noise impacts would not be significant since the noise is a one-time event, launches will not be simultaneous and the nearest noise sensitive area (residential), off base, is eight miles from the launch site. However, single events with noise levels significantly above the ambient levels will result in disturbances in terms of annoyances. This environmental assessment must include an analysis on the potential noise levels at the various communities that may be affected.

Sincerely,

Bruce S. Anderson

BRUCE S. ANDERSON, Ph.D.
Deputy Director for
Environmental Health

cc: Office of State Planning, Attention: John Nakagawa

4-7

Dear Senator Krouse, and
 MR. Galien —
 I am against the
 S.T.A.R.S. project that
 is proposed for P.M.R.F.
 on Kauai. I am also
 against the further
 use of KWAIALEW Atoll
 as target Zero for U.S.
 Army or Military missiles.
 As a citizen who has
 Voted for you for 25
 yrs on Kauai and a U.S.N
 Vet. I ask you to

please do your best for
 your constituents on Kauai
 and your Polynesian friends.
 NO MORE STARS ON KAUAI
 STOP MISSILE PRACTICE IN
 KWAIALEW Atoll -

Mahalo

Victor R. DeGudij.

U.S.N VET

KAUAI, HAWAII

P.S. you are a great
 Senator and doing a great job
 for Hawaii.

To Senator Daniel Inouye
Nancy Hallien

I am writing to you in regards to the STARS program on Kauai.

I am very much against the STARS program. My reasons are;

1. STARS is not safe.
2. STARS is damaging to the environment.
3. STARS costs too much money.

First of all, I don't think that STARS is safe enough and many noted scientists agree that STARS is very unlikely to work. The Army keeps insisting that the 20 year old Polaris missiles are completely refurbished and have a 97 percent reliability rate. The Army also tries to reassure us that there has never been a denotation or explosion of Polaris booster in flight. Contrary to these "facts" given by the Army, there has been termination of two rocket launches. Last December there was a rocket explosion at White Sands, New Mexico. More recently, at Cape Canaveral a guidance missile, similar to the one to be used at PMRF, had to be destroyed shortly after liftoff. Cape Canaveral has a safety area of 18,000 square miles, while PMRF only has a 10,000 square foot safety area.

Secondly, the EA and EIS state that there will be no significant impact on the environment. I do not believe that at all. For one thing, there are freons in emissions from the missiles. Freons have similar properties as CFC's. Researchers from NASA blame CFC's for depletion of the ozone layer. Also, chemicals such as aluminum oxide, hydrazines, and hydrochloric acid will be in the payload of the missiles. These chemicals are known to cause death and disease in plants, animals and humans. Medical research has linked aluminum to Alzheimers disease. Further more,

hydrochloric acid is a deadly gas to humans. Recently, a California highway was closed due to a spill of hydrochloric acid. Also, exposure to chemical emissions from STARS missiles can cause respiratory problems.

Finally, I think the STARS program will cost too much money. I have seen figures as high as \$75 billion dollars! I do not want any of my hard-earned-tax-paying-money to be spent on STARS. I do not think the government has the right to be spending billions of dollars on STARS while there are millions of homeless people in the USA; while there is still no cure for AIDS or cancer; while most of the children in the USA live in poverty; or while most of the citizens of the USA have inadequate or no health care.

In summary, I think that the STARS program should be scrapped! The USA needs to be using its money, resources and time for the tangible benefits of all its citizens. Finally, I think the military should remember that pollution knows no boundaries and that the citizens of the USA are not the only inhabitants of The Earth.

STOP STARS!

Brigid McBride

Brigid McBride

P.O. Box 1476

Kapaa, HI. 96746

April 2, 1992

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WR197

April 8, 1992

Dear Senator Daniel Inouye,

I support the 'No Action' alternative on the Draft E.I.S. of the U. S. Army concerning the firing of missiles from the Pacific Missile Range Facility on Kauai. I am strongly opposed to Star Wars testing on Kauai for the following reasons:

1. Our environment is our economy. One accident could have a devastating effect on our tourism and real estate revenues.
2. The effect on our ozone layer has not been properly addressed within your E.I.S. Brominated fluorocarbon, a by-product of launching missiles, has been shown to deplete the ozone in our atmosphere.
3. Nohili Dunes is a culturally significant area, inappropriate for use as a launching site.
4. I do not want my tax dollars to perpetrate human rights violations upon the people of Ebeys.

We understand that the employees of the Pacific Missile Range Facility have been threatened with the loss of their jobs if this program is not commenced. We have written to the U.S. Army requesting that the authorities please clarify this misconception immediately so that each P.M.R.F. employee may make a conscientious decision based on the true impact of the program, not under duress from fictitious threats.

Sincerely,



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2-166

WR198

Dear Senator Inouye and
Mr. Gallen

I Support P.M.R.F.
But I am seriously worried
about Star Wars - Our environment
here on Kauai is just what it
should be. Nuclear missiles
will ruin everything around the
Island, Ocean and atmosphere.

Please Don't Rein our Island

Sincerely,

Danda Rodarte

April 8, 1992

Please Reply

P.O. Box 22

Kalaheena, HI. 96754

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WR199

4-10-92

Dear Senator Inouye,

I am writing to you personally, to let you know how I feel about rocket launching on Kauai. Kauai is a very special place, with its own unique environment and my research has show that rocket launching could easily disturb this environment. In addition I am totally against a warrior stance on any level other than self defence. As we all know, the world is becoming more peaceful and the need for super weapons is diminishing. Vote against rockets on Kauai. Keep our environment safe.

Aloha,

Sincerely,

Catherine Downey MD.
Catherine Downey MD.
PO Box 629
Kilauea, HI. 96754

1

2-167

WR200

April 10, 92

Dear Senator Inouye,

I am writing to express my concern over the Star Wars project on Kauai. I am completely against this project as I feel it threatens the safety of those living on Kauai. Not only the negative impact on the environment, but the possibilities of an accident are far too serious to ignore. This is not about jobs at OMAF, but about people's lives and the preservation of our island.

We must not allow the risks involved. France has taken a stand against nuclear testing in the name of peace and it's time we do the same.

Thank you for your attention.
May God be with you.

Aloha,

Doris Petrich

Doris Petrich

PO Box 79

Anahola, HI 96703

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WR201

April 10, 1992

Senator Inoué,

I am totally against the Star Wars Program being launched here in Hawaii.

This is a pure and clean island and the only place left in the United States that is still natural and balanced.

The Star Wars Project will destroy the ecological balance that has been worked on for so long.

Please keep our island pure and unpolluted. Let's keep the peaceful nature of the island! Sincerely,

Eve Bruce

Eve Bruce
P.O. Box 3500-193
Princeville, Hi. 96722

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WR202

4/9/92

TO WHOM IT MAY CONCERN:

I SUPPORT PEARL BUT I DON'T SUPPORT STAR WARS.

Lestrice Sullivan

Lestrice Sullivan
2653 Alaekoa Street
Lihue, HI 96766
SS#575-58-5969
(808) 245-4024

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2-168

4-10-92

Dear Senator Inouye,

This is to let you know that as a citizen, voter, business owner and mother I am against the implementation of the "Star Wars" project on Kauai (or any Hawaiian island).

I have deep concerns about the transportation of hazardous materials related to the project on Kauai. The main highway travels through densely populated areas and near schools with young children.

In addition, I am concerned and against the rockets (any rockets) being fired on the island because of possible hazardous chemical emissions into the atmosphere and in this vicinity.

Also, I am concerned with Kauai becoming

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known as a hazardous area or heavily weighted military area as this might affect adversely the tourism industry.

Considering these economic, environmental, global and community concerns I must express to you my ardent desire that you do all in your power to prevent the implementation of the "Star Wars" project on the island of Kauai.

Sincerely,
Marlene Connell
PO 846
Kilauea, HI
96754

3

2-169

WR204

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

A, Brian.

you like do all dis crap on Kauai

You better think again. your not living on Kauai so of course you inconsiderate people like ruin our island.

Hey you! Damn Kooke's stay the hell off our island.

Name Silvia Granda

Address 6433 Kauhau Rd. Kapaa Hawaii 96746
Street Address City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3601

2-170

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WR205

I understand what your intentions are wanting star wars so you can protect America if something happens. But while doing that you will destroy our natural protection, our ozone. There is a little chance we will have to use those missiles in a real situation but it's a 100% chance we will ruin our ozone layers. Poor people of the Marshall Islands are taken of there home land and cramped into a ghetto style Island. I dont call that working as one. Think About what your Doing To Innocent People.

Thank you and
Respect
David Granda

David Granda

6433 Kauhau Rd. Kapaa, Hawaii, 96746

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WR206

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

My opinion is to continue research war technology and maintain defense. The new front is Gulf war. It will get worse in the Middle East and still spread of missile from other country especially of China, North Korea, Cuba, Libya. My reason to continue to work for Star Wars and defense is during machine time and during operation. Don't shut change of the world right now about future Union Soviet Socialist

Name Thomas C. Bryant
Address 4050 Massachusetts Rd. 226 Pahr Pahr HI 96766
Street Address City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

2-171

WR207

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

Alaska: I have two brothers in the military - one in the Marines and ^{one} other in the Navy who are truly devoted to their work and honor to serve and protect this country. I desire to make peace in the world starts with men and good soldiers like my brothers, not SDI or any type of robots. I have a tape called "Air Attack on B1B Bombers" and B2 Stealth Bombers. Pilots say it's the best defense defense bombs in the world. They say you can ^{put} them up in the air to show an intent and can be recalled if need be unlike SDI which can't be recalled once in the air. My many thanks to the Army.

Name JEFF CHANDLER Jeff T Chandler
Address P.O. Box 447 HANAULEI, HAWAII 96714
Street Address City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

WR208

You are crazy people. Stay off of
our Island. We don't want hideous
missiles on our islands

MARQUITA (5 years old)
Granda

Name Marquita Granda

Address 633 Kawaihau Rd. Kapaa, Hawaii

2-172

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WR209

KEKAHA SUGAR
PO Box 549
Kekaha Hawaii 96752
(808) 337-1472
Fax (808) 337-9209

April 13, 1992

Deputy Commander,
U. S. Army Strategic Defense Command
CSSD-EN-V (D. R. Gallien)
P. O. Box 1500
Huntsville, Al 35807-3801

Dear Sir:

Subject: Comments on Strategic Target System
Draft Environmental Impact Statement

Kekaha Sugar Company has cooperated with the Pacific Missile Range Facility in its missile launching activities for almost 30 years. For the most part we have been able to minimize the economic impact of the Ground Hazard Area closures by rescheduling activities or moving operations to other fields.


However, the SDI program is of a larger scope than previous ones, with up to 15 launches and 30 possible GHA closures per year. Because of this, Kekaha Sugar Company might not be able work around some of these launches and will have to stop some operations.

Interrupting operations or stopping them altogether, will cost our Company money. The degree of impact on our costs will depend on what operation is affected and the duration of the closure. The operations most likely to be affected are harvesting, field preparation, planting, weed control, and irrigation.

The costs of these operations range from about \$1,000 to \$7,000 per day. If 30 launch closures prevent us from completing the harvesting and processing of our crop, then we stand to lose \$100,000 in revenue for each day of interruption. These figures are rough estimates and are intended to give you an idea of the dollars involved.

We look forward to working with the Army in developing a compensation plan to cover the costs incurred by Kekaha Sugar because of the SDI missile launches.

Yours very truly,


L. A. FAYE JR.,
Vice President and Manager

xc: Mike Burke

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WR210

No rockets is paradise!!!!

We need a ozone layer!!!!

We don't need missiles!!!!
Stay of our island!!!!

Cassidy Granda

133 Kauhau Rd. #746 Hawaii, Kapua

Cassidy Granda

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2-173

WR211

Honorable Senator Akaka

Honorable Senator Akaka
US Senate
Washington, DC 20510

Dear Senator Akaka,

I live in ^{Kapaha, Kauai Hawaii} (your town, your state). I am very concerned about the proposed Star Wars testing launches from the island of Kauai. Using a rare, lush tropical garden as a launching pad for antiquated and dangerous polaris missiles seems absurd.

This island is a national treasure not a potential hazardous dump site for hydrazine/nitrogen tetroxide and other rocket fuels.

Considering recent developments in Europe & the former Soviet Union, far-flung STARS missile systems seem an incredible waste of tax money we cannot afford. Certainly jobs can be created in a wide variety of life enhancing industries, environmental concerns and social issues rather than on building more war machines.

Finally, the STARS Environmental Impact Statement has listed the Marshall Islands as the target area for these proposed missile launches. These are the same islands which we have devastated since the 1950's testing nuclear missiles. Over 10,000 islanders are still living there in crowded ghetto-like conditions, surviving on government handouts while their farming lands and fishing grounds are used for targets.

To continue our role in this oppression is a national embarrassment and must be stopped. Please use your power to stop the proposed Kauai missile launching and put an end to the Star Wars program. NOW.

Thank you,
[Signature]
your name

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WR211 (cont.)

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL



MISSILE WAKEHEAD IMPACTS IN THE KAWAJALEIN ATOLL

That planned For Kauai at DMRF

Mary Kinohi
2281 NAHO RD
Koloa, HI 96756

Priscilla K Kua
2281 Naho Rd
Koloa Kauai
96756

mary dot m...
PO Box 771
Koloa, HI 96756

Billy Kachelau...
2249 Kua Rd
Koloa, Kauai, 96756
HI

Barbara Emola
PO Box 973
Lawai Kauai
96765

Mmet Bleue
PO Box 926
Lawai Kauai, HI 96756

Alan Lawiro
Koloa, HI 96756

Anthony Fernandes
1113 Puale St.
Lihue, Kauai, HI 96766

Kelma H. Kachelau...
2249 Kua Rd
Koloa Kauai 96756

Kenneth Kachelau...
2249 Kua Rd
Koloa Kauai 96756

Kelma...
PO Box 468
Koloa, HI 96756

Sybil... Mary Cates
P.O. Box 963
Koloa, HI 96756 4896 Kua Rd.

R...
Lawai, HI 96765
Cory...
Koloa, HI 96756

Ledee...
P.O. Box 413
Koloa, HI 96756

Malu...
PO Box 544
Koloa, HI 96756

CARLA SILVA
Puu Rd.
KALAHED, HI 96741

Vertical text: Koloa, HI 96756, PO Box 244, Koloa, HI 96756

2-174

WR211 (cont.)

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

THIS PROJECT MUST BE STOPPED!!

- * CROWN LANDS - HAWAIIAN LAND NOT FEDERAL GOVERNMENT
- LAND SWAP - HAWAIIAN HOME LANDS
- NIIHAU WATER - JEOPARDIZE THE HEALTH
- CONTAMINATION OF HAWAIIAN LANDS
- RESTRICTED ACCESS 212 DAYS A YEAR
- AIR QUALITY - GROUND WATER CONTAMINATION
- SHORELINE HABITAT - RAIN FORESTS
- MARINE LIFE - CATASTROPHIC HAZARD 60000 miles
- Kauai 550 sq miles - DEADLY FOR ALL

Name _____

Address _____

Street Address

City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

WR211 (cont.)

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I have lived on Kauai 14 years and plan to live here all my years. I would like to enjoy Kauai from now on. I have seen what has happened to the other islands and would like to enjoy it before it is too late. I like all the great views anyone can see. Consider putting these missiles on this island is beyond me. It would be devastating in so many ways. If something should go wrong or just the pollution alone, oil spills, etc. would not come to the island - the environment this is a sacred place for all the Hawaiian People & those whose ancestors came here. Please stop this noise! From the beginning to the island known as the

Name Harold W. ...

Address P.O. Box 1711 Kalaheo HI 96741

Please hand this form in or mail by April 13, 1992 to:
Peace Deputy Commander
Be U.S. Army Strategic Defense Command
With Attention: CSSD-EN-V (D.R. Gallien)
You P.O. Box 1500
Huntsville, Alabama 35807-3801

Peace
NOT
WAR

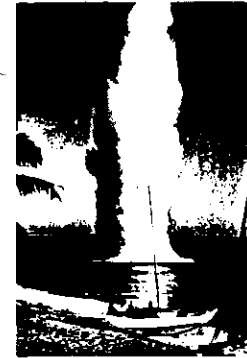
2-175

WR211 (cont.)

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES
TO KAWAJALEIN ATOLL & That Planned

Shirley ...
P.O. Box 1410
Kalaheo HI 96756

Emily Cook
P.O. Box 360
Kalaheo HI 96756



MISSILE WARHEAD IMPACTS IN THE
KAWAJALEIN ATOLL

For Kauai at
PMRF

11111111

Senator Snowe and Mr. Gallen,

I am a permanent resident of Hawaii. I contribute professionally to the building trades here as a carpenter and builder. I relocated to here over a year ago and will stay because I value a clean environment.

But, it is common knowledge that this is a fragile environment. Already, there is degradation of native species populations. There are extinctions. There are noticeable damages to the reef. The strategic defense initiative testing of tracking technology using outdated rockets poses a special threat to the island's ecosystems in the event of an accident. In a post cold-war international climate there is less a pressing need to proceed with experimentation of S.D.I. technology.

It is my conviction that the needs and safety of the environment here are of paramount importance and that the pursuit of dangerous technology is a folly.

I want several questions answered. With the accident of the Challenger space shuttle, how can we believe the safety of rocket systems pieced together from

old, outdated, or obsolescent parts? Even if, say, a probability of one in a thousand chance of spilled fuel did happen does a plan exist to clean the ocean or the wilderness? Has there been any thorough assessment of the hazards of the chemicals that would be released in the event of an aborted launch? Has the use of a more appropriate location been considered? Does the proposed testing with American rockets guarantee the Russian counterparts will track as expected? Have the social concerns of divisiveness and polarization been addressed? Has there been any study of the possible impact on the tourist trade? Will the negative images in the world community of possible rocket explosions dampen the important tourist business? Will children feel safer knowing a rocket (friendly?) might explode in their yard? Will fisheries and marine environments be affected by an ocean spill of rocket fuels? Who besides the defence contracting industry will benefit economically? Is not that industrial infrastructure located elsewhere? How much money is spent by the government on pro-S.D.I. public relations campaigning and propaganda? And why is any part

of the defense establishment spending money trying to affect public opinion? Is not the responsibility of the Defense Department to defend rather than to mold public opinion?

Abandoning the S.O.I. experiments on Kauai can only improve the image of the island, a fine place to visit and live. Why tamper with a good thing? Keep the rockets off Kauai. And answer my questions.

Sincerely,

Orville Dent

Orville Dent

5045 Laipo Rd HI 96746

2-177

Against Star Wars

4/13/92

To The Military:

I feel that your star wars project may bring us more harm than good. And to the Marshalese no good will be brought. We teach our children to put ourselves into others shoes. Did you for get that lesson that we should have initially learned in childhood? How would you like to have your homeland be the target/ testing ground for ~~our weapons~~ the Star Wars? Would ~~if~~ if your children were the victims of this? We must learn to live more peacefully with each other as these boundaries are man's figment of imagination and created out of that. In actuality, we all live together and are the family of man? your own family.... would you bomb them? or even thier home if they weren't present?

I say "No" to
Star Wars!

D. Brander

WR214

A vote for No Action 4/13/92

Our ozone is becoming more depleted every year. Skin cancer is on the rise. Many countries have given up even the use of spray cans. Is it really responsible of you to further deplete our ozone. I moved to Kauai because of the environment being so clean & beautiful. And a lot of people visit here for that same reason. Take your pollution somewhere else! It seems your worst enemy is yourselves. Stop... for the children.

sincerely,
M. Brande

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2-178

WR215

Written Comment Sheet

**Strategic Target System
Draft Environmental Impact Statement**

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

Dear Mr. Gallien & Senator Inouye,

We need air to live. If we don't breathe air we die. So do all creatures and plants. If we breathe toxic air we die. If tax dollars are being wasted on killing ourselves then what is the point of trying to breathe? If you cannot understand the bottom line of being alive and being dead then I pray for you.

No STAR WAR "GAMES" Aloha,

PLEASE God Bless

Janet Neumann

1

Name JANET NEUMANN

APRIL 9, 1992

Address PO 239 KILAUEA HI 96794

Street Address

City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

WR216

4/10

To whom it could concern,
I support PMRF and not Star Wars.

Sincerely

Michael Coats
Michael Coats
P.O. Box 738
Kilauea, HI 96754
808-828-1337

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2-179

WR217

4-5-92

To whom it may concern:

I support PMRF but
I don't support Star Wars

Karla Pailey

Karla Pailey
P.O. Box 738
Kilauea, HI 96754
808-828-2292
808-828-1337

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0.5

WR218

Dear Senator Broeze and
Mr. Gallen -

My Husband and I truly
support P.M.R.F., but we
do not support the shooting
of nuclear missiles on Hawaii -
It will ruin our island
Oceans and all living things
in the environment.

Sincerely

Please Save Our Island
Shelly Spencer 4-8-92

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2-180

WR219

To Whom It May Concern, April 10, 1992

I am in support of the people
of PMRF but I am opposed to the Star
Wars' SDI proposal project because these are
excessive, inappropriate expenditures that as a
tax paying citizen I see as very low priority in
the United States today. We need complete nuclear
disarmament, not missiles that intercept them
in space. We don't need expensive band-aids that
may not work. We need to commit all the leaders
of this planet that nuclear payloads will no
longer exist.

Sincerely,

John S. Bantey
P.O. Box 738
Kilauea, HI
96754

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WR220

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

*Please do not shove this rocket
launching down our throats without
due process. Hold a special election
on the island. To determine the will
of the local residents. The impact
study is merely a smokescreen. Don't
insult our community!*

1

Name Andrew Brower
Address P.O. Box 220 Anatola, HI 96703
Street Address City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

2-181

WR221

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

*I am against the use of Kawai as
a test site for SDI, as are 90% of
Kawai residents. What is in it for us?
We don't receive federal money for roads,
schools, or parks. Why should we risk our
environment and loose the use of the westside
beaches for this "beached whale" project.*

1

Name Laurel Brier
Address P.O. Box 220 Anatola, HI 96703
Street Address City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

FORM 10

APRIL 12, 1992

RE: STRATEGIC TARGET SYSTEM
DRAFT ENVIRONMENTAL IMPACT STATEMENT

DEAR SIR:

SURELY THE ARMY CAN FIND LESS COSTLY,
MORE EFFICIENT WAYS TO SPEND OUR TAX MONEY
THAN ON THE SO CALLED STARS SYSTEM. THAT THE
DRAFT EIS SAYS THERE WILL BE "NO SIGNIFICANT
IMPACT" DOES NOT REASSURE ME - PARTLY
BECAUSE IT DOES NOT DEFINE WHAT "THEY"
CONSIDER A SIGNIFICANT IMPACT AND PARTLY
BECAUSE I SIMPLY DO NOT BELIEVE THAT HUMAN
BEINGS ARE INFALLIBLE - ACCIDENTS OF ALL
SORTS DO HAPPEN. THIS ISLAND OF SOME
65,000 ISLANDS IS TRULY ONE OF THE MOST
BEAUTIFUL SPOTS IN EARTH, AND, BESIDES
BEING OUR HOME, IS HOME TO MANY ENDAN-
GERED SPECIES (PROTECTED BY FEDERAL LAW).

I COULD GO ON FOR PAGES LISTING WHAT
I (AND MANY OTHERS) CONSIDER FAULTS IN THE
DRAFT EIS AND IN THE BASIC PREMISE OF THE
STAR SYSTEM, AND FOR PAGES MORE LISTING
OTHER, BETTER WAYS TO EMPLOY THE MONEY AND
THE ARMY, BUT YOU'VE PROBABLY HEARD MOST
OF THEM FROM OTHERS BY NOW SO I WON'T.
REGISTER ME AS A "NO" VOTE. PLEASE "SHOOT
DOWN" THIS PROGRAM AND COME CHECK OUT
KAWAI FOR YOUR NEXT VACATION. YOU'LL LOVE IT, TOO

ALOHA,
Linda C. Chandler
P.O. BOX 447
HAWALEI, HAWAII 96714

P.S. I HAVE ONE DAUGHTER IN THE AIR FORCE &
ONE DAUGHTER IN THE ARMY (BOTH SERGEANTS)
SO I AM NOT AGAINST THE MILITARY.

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2-182

4-9-92

Dear Senator Inouye,

I am wanting to have peace on the
planet, including here on Kawaii. I vote
for no Star Wars support anywhere.

The only reasons I heard at the
hearings for it were economic - people
in fear that without this project they would
lose their jobs (- why not create jobs
that support peace?) and because
of "defense". I don't see an
enemy "out there" - except us
against the environment.

Let peace begin with me.

Sincerely,
Debra Joyce Cone DebraJoyceCone
PO Box 910
Kilauea HI 96759

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WR224

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I want to go on record against the use of PMRF or any Kawai facility for the use of SDI testing. The social and environmental risks do not make the economic benefits to the island worthwhile - and I don't believe our nation needs this expensive project for our defense.

1

Name Robert Brower
Address P.O. Box 220 Anahulu HI 96703
Street Address City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

2-183

WR225

4/10/92

From DAVID & Heidi Rhodes
1321 KIWAI PL
KAPAHA HI 96746

Dear Senator Inouye
and Mr Gallien,

We are a Kawai couple who ~~DO~~ NOT support the STAR WARS PROJECT especially here on Kawai. We do support PMRF. We want you to properly represent the vast majority of residents here in opposing any further development of this program on our Island. Thank you both for serving a sane (NO STARS) policy!

David Rhodes

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NATIVE
HAWAIIAN
LEGAL
CORPORATION

1070 KALANANAKU STREET • SUITE 1004 • HONOLULU, HAWAII 96813 • TELEPHONE (808) 524-2332 • FAX (808) 537-4262

April 13, 1992

Deputy Commander
U.S. Army Strategic Defense Command
CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

Re: Draft Environmental Impact Statement (DEIS) for the Strategic Target System (STS) (Launch of Strategic Target System Vehicles from the Kauai Test Facility at the Pacific Missile Range Facility on the Island of Kauai, Hawaii)

Native Hawaiian Legal Corporation is a public interest law firm which provides legal representation for ethnic Hawaiians. Our comments here relate to protection of the interests of Native Hawaiians who are beneficiaries of the Ceded Lands Trust established in § 5(f) of the Hawaii Admission Act and who could be aggrieved by failure to comply with federal and state law as it pertains to the management and use of those lands.

Our principal area of concern here is that any activities relating to this project that take place on or otherwise impact Ceded Lands owned by the State of Hawaii and made available to the United States as a tenant of the State under any permit, lease, license, or Governor's Executive Order be conducted in full compliance with applicable laws of the State of Hawaii. Our concern is based on the position recently advanced by the federal defendants in Sierra Club v. Cheney, U.S. District Court for the District of Hawaii, Civ. No. 90-0775 HMF, that the U.S. Army need not comply with Hawaii law by obtaining a conservation district use permit from the State of Hawaii Department of Land and Natural Resources prior to undertaking this project. The clear implication of Sierra Club is that the Army does not feel itself obligated to comply with Hawaii law in its conduct of this project.

In Sierra Club, the Army relied upon the alleged absence of any waiver of the sovereign immunity of the United States that would permit suit by the State of Hawaii or any other party to seek compliance with Chapters 171 and 183, Hawaii Revised Statutes. The court followed Hancock v. Train, 426 U.S. 167 (1976) to find that the State of Hawaii could not force compliance with State law under the circumstances of the case before it. Sierra Club v. Cheney, *supra*, (Order Granting In Part

U.S. Army Strategic Defense Command
Comments on STS DEIS
April 13, 1992, p. 2

And Denying In Part The Army's Motion For Summary Judgment, Denying Sierra Club's Counter-motion For Summary Judgment, Granting Summary Judgment For The State, And Ordering An Injunction Of The STARS Project Pending Supplementation Of The Army's Environmental Assessment) (D. Hawaii May 9, 1991), slip op. at 35-38 (Ezra, J.).

The Sierra Club court noted that "The government is immune from suit unless it consents to be sued by statute or by contract." *Id.*, slip op. at 36. It is significant, however, that at no point in the Sierra Club opinion was mention made of any allegation of the existence of a contractual relationship between the United States and the State of Hawaii. We note that the DEIS contemplates that the Army will use certain public lands owned by the State of Hawaii, including in particular Polihale State Park, under the terms of a Memorandum of Agreement and Grant of Easement with the State of Hawaii. See DEIS, App. B and C. It is also our understanding that at least a portion of the land underlying the Kauai Test Facility of the Pacific Missile Range Facility is also owned by the State of Hawaii and is used by the United States under the terms of one or more leases, permits, licenses, or Governor's Executive Orders granted by the State of Hawaii. Such agreements are clearly contracts between the State of Hawaii and the United States, and the status of the United States and the U.S. Army and Navy in their use of these lands is thus that of tenants occupying State-owned land.

Where the United States is a tenant occupying land owned by the State of Hawaii, the protections of sovereign immunity and Hancock are inapplicable to the question of the State's enforcement of federal compliance with Hawaii law. The Tucker Act, 28 U.S.C. §§ 1346(a)(2), 1491, provides the required waiver of sovereign immunity in such cases and would permit the State of Hawaii to sue in the event the United States should breach such a contract (including breach of the implied condition that the tenant must comply with applicable laws), either by seeking specific performance (federal compliance with Hawaii law) or by seeking termination of the contract and the cessation of federal use of these State-owned lands.

It could be argued that some or all of these contracts may lack any explicit requirement for federal compliance with Hawaii law as a condition of the contract. We doubt, however, that any explicit waiver of such a requirement will be found in these agreements, either. We know of no statute or other law of the State of Hawaii which would permit the State or any State agency to waive the obligation of any tenant, including the United States, to comply with such laws of the State of Hawaii as, e.g., Chapters 6F, 115, 174C, 171, 183, 183D, 187A, 190, 195, 195D, 198D, 205A, 226, 228, 286, 340E, 341, 342B, 342C, 342D, 342F,

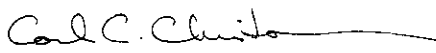
WR226 (cont.)

U.S. Army Strategic Defense Command
Comments on STS DEIS
April 13, 1992, p. 3

342H, 342I, 342J, 342L, 342N, and 343, Hawaii Revised Statutes.¹ In the absence of such authority we do not believe any such contract could reasonably be interpreted as waiving the State's otherwise undoubted right to enforce its laws against its tenants. In any event, to avoid any ambiguity on this point we will be requesting that the State of Hawaii Board of Land and Natural Resources insist on the inclusion of an explicit requirement for federal compliance with all laws of the State of Hawaii in any Memorandum of Agreement or Grant of Easement which it approves with respect to this project. This would make explicit the requirements we believe are implicit in all such agreements now in effect. Such action by the Board would be entirely appropriate in light of the Board's land management responsibilities under § 26-15, Hawaii Revised Statutes, and the State's trust obligations under § 5(f) of the Hawaii Admission Act. We further ask you to note that the Board cannot approve such an agreement without itself ensuring compliance with Chapters 171 and 183, Hawaii Revised Statutes, and that such compliance is also enforceable by the public under, inter alia, the Hawaii Administrative Procedures Act, Chapter 91, Hawaii Revised Statutes.

Because we believe the Army must comply with State law in its activities on all lands owned by the State of Hawaii and that any potential non-compliance with State law is a significant fact that should be disclosed in the Final EIS for this project, see 40 CFR § 1508.27, we ask that the DEIS be modified to identify all lands owned by the State of Hawaii which will be affected by the proposed project and to describe in detail the measures which will be undertaken to ensure full compliance with Hawaii law or, if such compliance is either not possible or is not contemplated by the Army, the extent to which the project will not be in compliance with such laws.

Very truly yours,



Carl C. Christensen
Staff Attorney

cc: William L. Paty, Chair,
Hawaii Board of Land and Natural Resources

¹All of these laws were cited in DEIS Table 1-2 as having been "considered" in the preparation of the DEIS, although it is claimed that this "does not mean they are legally applicable or relevant." Id., fn. 2.

2-185

WR227

Karen Steidle
15912 KUTHO Hwy
KAPAA, HAWAII 96746

10 APRIL 1992

Secretary Inouye

This is a letter to encourage you to open to the real reason why we have all chosen to live on Kauai + the Hawaiian Islands. We have been blessed to live in the most beautiful places in the world - one of the healthiest places to live and enjoy life and to keep our priorities in balance. The atmosphere and air is important aspect of all of life + the generations to come. I encourage you to put a stop to the Star Wars project as to preserve our wonderful islands, fish, food, land. MANA = BREATH OF LIFE AS TAUGHT TO US BY THE NATURE Hawaiian themselves. Please help us to keep our bodies waters, air, land free of nuclear waste - please support our highest wishes and desires of

1

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WR227 (cont.)

the ALOHA - HUMANS wanting to
BE HERE.

Let's forget about ignorance
of our past and to step
FORWARD & CHOICES THAT TRULY
benefit the PEOPLE of this LAND.

KC ^{JN} _{MT}

Karen Stehle

2-186

WR228

April 9, 1992

Hawaii has had a unique history as a place of
strategic importance for mainland military interests
for many years. The reason has been for defense,
the result has been jobs.

Many in the business community will not
speak out against Star Wars because they need the
support of the military incomes to stay afloat.

The business community, the people who have
military jobs, the military itself can all come
out on top by one solution. Change the Reason.

Change the reason for defense to Reason for saving
the world.

Convert Star Wars military jobs to civilian jobs.

Put money for missiles into Save the Whales.

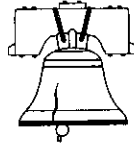
Arrest Acid Rain and Prevent Pollution on this
Planet just before its too late for life - Period!

Bonnie McBride

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WR229

Responsible Citizens for Responsible Government



MARCH 24, 1992

THANK YOU FOR HOLDING THIS HEARING AND THANK YOU FOR PROPOSING THIS PROJECT FOR KAUAI BECAUSE IN A STRANGE WAY I HAVE COME TO SEE IT AS A BLESSING. IT TOOK THE THREAT OF STAR WARS MISSILES ON KAUAI TO UNITE CITIZENS IN A WAY THEY HAD NEVER BEEN UNITED BEFORE. THIS ISSUE HAS REACHED CITIZENS IN EVERY TOWN ON THE ISLAND BECAUSE WE KNOW IN OUR HEARTS THAT STAR WARS WAS **NOT RIGHT** FOR KAUAI - THAT THIS PROJECT ACTUALLY ENDANGERED THE SPIRIT OF KAUAI.

THIS PROJECT HAS ALSO TAUGHT US THAT DOCUMENTS LIKE THIS E.I.S. ARE WAY TOO NARROW IN THEIR SCOPE - THAT THEY CAN NEVER MEASURE THE THINGS THAT ARE TRULY IMPORTANT - LIKE IMPACT TO THE SPIRIT OF AN ISLAND AND IMPACT TO THE DIGNITY OF NATIVE PEOPLE. I WAS APPALLED TO LEARN THAT THE IMPACTS OF THIS PROJECT REACHED FARTHER THAN KAUAI - ALL THE WAY TO EBEBE ISLAND AND KWAJALEIN. AS A CITIZEN E.I.S. REVIEWER I RAISED THE ISSUE OF THE KNOWN HUMAN RIGHTS ABUSES TO THE INDIGENOUS PEOPLE OF THE MARSHALL ISLANDS THAT THIS PROJECT WOULD PERPETUATE - BUT I WAS TOLD THIS DIDN'T FIT WITHIN THE SCOPE OF THE E.I.S. WHEN HUMAN RIGHTS ABUSES TO NATIVE PEOPLES THAT ARE PAID FOR BY OUR TAX DOLLARS DON'T FIT INTO AN ENVIRONMENTAL

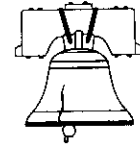
Responsible Citizens for Responsible Government, P.O. Box 1440, Hanalei, HI 96714
Phone - (808) 826-9005 FAX - (808) 826-7425

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2-187

WR229 (cont.)

Responsible Citizens for Responsible Government



IMPACT STATEMENT - SOMETHING IS VERY WRONG WITH THIS PICTURE

THIS PROJECT HAS ALSO TAUGHT US TO TRUST OUR INSTINCTS. NO MATTER HOW MANY PREPARATIONS ARE IN THE E.I.S. WE KNOW AN ACCIDENT CAN HAPPEN - AND SO DOES THE ARMY. THE DIFFERENCE IS THAT WE FEEL KAUAI IS TOO PRECIOUS TO RISK EVEN ONE ACCIDENT!! FOR INSTANCE, OUR LIVES AND HEALTH ARE THREATENED **NOW** BY OZONE DEPLETION, YET THE E.I.S. DISMISSES ITS RELEASE OF NEARLY 8000 POUNDS OF FREON BY SAYING THE BRAND IT'S USING IS BAD BUT IT'S NOT COVERED BY HAWAII STATE LAW. PLEASE - THIS IS OUR AIR. AND WHY AFTER CITIZENS HAVE EXPLAINED THAT NOHILI DUNE IS SACRED AND VERY IMPORTANT TO NATIVE HAWAIIAN CULTURAL HERITAGE - THAT IT SHOULDN'T BE CONTAMINATED BY CHEMICALS OR POSSIBLE FIRES OR EXPLOSIONS DOES THE ARMY STILL ASSUME IT'S OK TO LAUNCH THERE. IF YOU WOULDN'T LAUNCH MISSILES IN THE GRAND CANYON, OR IN YOSEMITE, WHY LAUNCH MISSILES FROM NOHILI DUNE AT POLIHALE - AN ENVIRONMENTAL NATIONAL TREASURE.

THIS PROJECT HAS ALSO TAUGHT US TO REALLY QUESTION BIG TICKET DEFENSE PROJECTS. AFTER REVIEWING THE REAMS OF MATERIAL CRITICAL OF STAR WARS, MANY OF US HAVE COME TO BELIEVE SDI TRULY STANDS FOR **STUPID, DANGEROUS AND INSANE!** THAT SPENDING 90 BILLION TO A TRILLION DOLLARS ON A PROJECT THAT FEW BELIEVE WILL WORK AND THAT MOST FEEL WILL ONLY ENRICH DEFENSE CONTRACTORS IS AN ATROCITY.

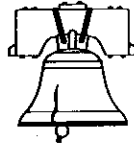
Responsible Citizens for Responsible Government, P.O. Box 1440, Hanalei, HI 96714
Phone - (808) 826-9005 FAX - (808) 826-7425

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WR229 (cont.)

**Responsible Citizens
for
Responsible Government**



AND FINALLY FROM THE LEGACY OF BONGELAP, BIKINI AND ENEWETAK AND NOW STAR WARS WE HAVE LEARNED THAT WE CANNOT CONTINUE TO USE THE PACIFIC OCEAN AS A DUMPING GROUNDS FOR WEAPON SYSTEMS THAT HAVE BROUGHT US NO CLOSER TO OUR TRUE GOAL OF PEACE.

THE WORLD DOES NOT NEED MORE MISSILES FROM KAUI - THE WORLD WOULD BE BETTER SERVED BY SHARING HER SPIRIT OF ALOHA. THE DEFINITION OF PACIFIC IS PEACEFUL. LET US LIVE UP TO OUR NAME. LET A TRULY PEACEFUL FUTURE BEGIN HERE TONIGHT ON KAUI. LET THIS BE THE END OF CONFRONTATION - LET US BEGIN TO DISMANTLE THE TRILLION DOLLAR YEARLY BUSINESS IN ARMS SALES. LET KAUI LEAD THE WAY INTO A TRULY PEACEFUL 21ST CENTURY.

SO COLONEL GUS, TELL YOUR DECISION MAKER THAT HE AND ALL OF YOU ARE ALWAYS WELCOME HERE ON KAUI - BUT WHEN YOU COME - PLEASE LEAVE YOUR WEAPONS BEHIND.

MAHALO,

ELIZABETH FREEMAN

P.S. I AM SUBMITTING AS PART OF MY TESTIMONY THE VIDEO HOME ON THE RANGE FOR YOU TO VIEW.

Responsible Citizens for Responsible Government, P.O. Box 1440, Hanalei, HI 96714
Phone - (808) 826-9005 FAX - (808) 826-7425

WR230

JOHNSAY A. RIKLON, Esq.
P.O. Box 5126
Ebeye, Kwajalein
Republic of the Marshall Islands 96970
Tel: (692) (87) 3100 Fax: (692) (87) 3287

22 August 1991

Members of the Kaua'i County Council
Lihue, Kaua'i, Hawaii

Yokwe kom:
(Greetings)

I take this opportunity to address you on what for us at Kwajalein in the Marshall Islands is a most important issue, the continued firing of missiles to our atoll.

I have only recently been informed (yesterday) of the fact that we would be on the receiving end of even more missiles, this time from the homeland of our cousins in the Pacific - from Hawaii. We were never extended even the courtesy of having our people told of this fact. But for my visit to Hawaii on a totally unrelated matter, our people would still have remained ignorant. As far as I know, I am the only one so informed so far.

People who have not lived on very small islands do not fully appreciate how precious we take our islands. In 1986, a delegation of Marshallese leaders addressed the United Nations saying:

Land means a great deal to the Marshallese. It means more than just a place where you can plant your food crop and build your houses, a place where you can bury your dead. It is the very life of the people. Take away their land and their spirits go also.

I imagine the indigenous people of Hawaii can understand our feelings for our land.

The firing of the missiles to Kwajalein atoll threatens the integrity not only of the waters and lands in the vicinity of the target area, but the people living in the nearby islands as well.

The experience we have already gone through in other experimentation by foreigners have caused us to have very little faith in the representations of their scientists and government agents who continually tell us not to worry. Our children, husbands and wives and elder folks, just by the remaining scars on their bodies speak much louder to us. We can not accept the representations that such testings are safe to

us. The legacy of Rongelap, Bikini, Eniwetok and Utirik remains a daily horror to us and a constant reminder that there can be no assurance of safety.

These people who are firing at us don't even know us. We are just a spot in the Pacific, a target. They know nothing of our customs, our traditions and our history. They have somehow equated the American dollar to the value of our peoples health, safety and very lives.

Please understand that we in the Marshall Islands are people who laugh and cry, who bleed and sweat, who have fears and joys and who love our children just as any other people of this planet earth. Just as I am sure the people of Kaua'i would not appreciate having missiles from Kwajalein targeted for their homeland, I hope you can understand how we would not appreciate your lack of opposition to the STAR/EDX missile program.

Ilo kaula,


Johnny A. Riklon



Kaua'i Group of the Hawai'i Chapter
Post Office Box 3412
Lihue, Kaua'i, Hawai'i 96766

April 13, 1992

Mr. Randy Gallien
Lt. Col Gus Manguso
USASDC
P.O. Box 1500
Huntsville, Alabama 35807-3801

Re: Draft EIS for STARS

Aloha, Gentlemen:

On behalf of the Kauai group of Hawaii's Sierra Club, we reject the 'Draft Environmental Impact Statement for the Strategic Target System' dated February, 1992, as inadequate.

The reasons are many. We reject it entirely, and the program it explains, on the basis of principles:

1. The National Sierra Club opposes space-based weaponry, with specific mention given to 'Star Wars' programs.
2. I believe SDI programs fall outside the scope of the military's direct parameters, and within the governance of private industry. This is anathema to me. Our armed forces are made to function inadequately for the sake of private defense contractors' year-end corporate profits.
3. Further, SDI, with its ever-changing definitions and goals, slithers about with no direction. The STARS/EDX program itself is designed to protect us, some day, against an enemy that no longer exists. [And if the U.S.S.R. still did exist, who's to say they'd politely follow the "gentleman's agreement of attack" and launch an ICBM overtly? Why not the warhead-in-a-drum venue mentioned by so many at the public hearing last month? (see Chaz Jetty's testimony, attached. I thought it was 'best of the show' for both nights.)]

As to specific internal failings of the document in question, we submit these comments as reflecting a few of our many concerns:

Alternatives: Page 5-2 of the draft EIS encapsulates Sierra Club's position most succinctly: "Selection of the no action alternative would result in no significant impact on Kauai." We favor this choice, the 'no action' alternative, as providing the greatest military safety internationally, the most favorable choice for the internal functioning of our island/county/state, the least expensive and redundant, and most intelligent choice for a healthy functioning military. As I have previously pointed out, if this country can spend \$561 billion on militarism for 1992 alone and still not protect us from already-vanquished enemies, adding STARS to the fleet won't help one bit.

Printed on recycled paper

WR231 (cont.)

Air Quality/Atmospheric Quality:

Air. I recall in reading the EA that all the mainland production and testing sites involved in this project failed to meet air/noise/water quality standards in one fashion or another. Only Kauai and Kwajalein were exempted from the air quality problems, because of our trade winds. I wish to point out to you that hazardous emissions don't vanish when they drift out to sea; consider the mysterious eye tumours of the sea turtles. These creatures are now starving to death because they can't see to find food. Those tumours don't just happen; they are caused. They are caused, somehow, by what we humans put in the air and in the sea.

Atmospheric Considerations. This is as good a place as any to stand up on my soap-box for a little while:

The question is, can we get smart enough, fast enough, to alter the legacy we've inherited from greedy and thoughtless ancestors who created the mess we're in? What are we giving to our young, the children, yours and mine?

If we keep at life the way we're going now, we'll simply give them the landfill and poisoned mayhem of a planet once thriving, soon defunct. It's our job to turn this pattern around, change it, make it right.

Human population is expected to double in the next forty years, to 11,000,000,000. Our resources are being depleted faster than they're being renewed - already. We're already in the red. What, please tell me, will it be like when our sons and daughters are our age?

Will our children sit inside except for morning and night because the life rays of our sun have become cancerously fatal to them? Will they shelter their daughters and sons, our grandchildren, from the legacy of greed and thoughtlessness you and I have passed on? We cannot do this to them. We have to change. You and I. Personally. Every one of us. Or it's all over.

We pass laws to limit the amount of freon dumped into the stratosphere because we've finally noticed that its membrane is rupturing.

Meanwhile, your program would continue to rupture that membrane, to protect us from the ghost of enemies past. I'm told that each launch would deposit the equivalent of 66 refrigerators' worth of freon directly into the stratosphere. This is like injecting heroin directly into the vein. How long can the living live, like this?

(2)

WR231 (cont.)

Biological Resources: The researchers from Moss Landing Marine Laboratory who spoke at the hearing (Tom Novis and Anne Zoidis) encapsulated our concerns very well. [I know you're already onto this, Randy: I saw you taking notes while both of them spoke.] We feel that your launches would occur too close to the birthing grounds of the endangered humpback whales, approximately 25% of whom now use the waters directly offshore from PMRF.

Cultural Resources: Nohili dune is sacred. It is an inappropriate place for war machinery. I refer you to the presentation of various members of NoHili Coalition, Kaleo Patterson's in particular. Please note, in your draft EIS, page ES-3: "The entire land area of KTF and PMRF could be considered archaeologically sensitive because of the cultural resources found within the installation."

Land Use: You have failed to consider the concerns of kanaka maoli in making your plans. I refer you to the presentations of citizen reviewer Kaleo Patterson's guests at the second citizen reviewer meeting, and to Ms. Davianna Magregor's verbal testimony at the public hearing. The land surrounding PMRF [indeed, the land underlying PMRF] belongs to the Hawaiian nation; Kekaha Sugar Company's lease will soon expire. You would be remiss to assume that land is yours for the overwhelming.

Additional Land Use Issues: Please refer to the excellent material submitted to you by Dr. Raymond Chuan, attached. Dr. Chuan points out that you hope to "attempt" to notify the State of Hawaii when you stretch the base's boundaries, launch by launch, until they have actually changed in peoples' minds (see also the verbal testimony of Mr. Micco Godinez from the public hearing). Your attempts to colonize the state park and highway, and adjacent Hawaiian land, do not serve us well.

Public Health and Safety: On page ES-4 you mention (under 'Noise') that off-base housing is eight miles away. Base housing is much closer - four miles? three? two? These houses are inhabited by people more directly endangered than the rest of us in the event of catastrophic launch failure.

You will tell me that all 'errors' will fall within a 10,000' hazard arc; I will reply to you that the oil industry projected that a spill like the Valdez' (yes, you've heard this one from me before. . .) would occur once in 241 years. It only took seventeen.

Errors are human; they compound one another. One guy's not getting along with his wife; the wind is blowing wrong; the wrong computer program gets loaded; a submarine trips up an underground cable and accidentally shorts out a monitor; rust gets another one. A message gets garbled on somebody's machine; an almost-right part gets sent instead of the correct

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WR231 (cont.)

one; the storage tank was built by somebody with a hangover. Your fuels might get transported down our little highway (as in two of your four scenarios listed): How about the drunk driver, the blowout of a passing vehicle's tire?

These are the elements of disaster. They are never planned. Combine the infinite random variables with antiquities of rockets and you have a disaster waiting to explode. Or else you still have a program designed to protect us against a former enemy.

Infrastructure: Your 'fire suppression system' is 1/2" PVC water pipe. That's sure to put out an explosive fire.

Socioeconomics: We reject utterly your notion that a catastrophic launch, or even a near failure, would not damage our economy. We are about 90% dependent upon tourism for our livelihood. It's too high a percentage, but it's very real. I would like to point out to you that the Kauai Economic Development Board has just applied for more than \$1,000,000 in grants to counter the detrimental economic effects of national news coverage of our one-day flood of December, 1991. How many grants of a million dollars will it take to fix the effects of one rocket failure? Ten years' worth of closed-off state park access to campgrounds? One missile shot inland by accident? Reduced tourism because of increased ozone depletion and skin cancer rates?

Finally, there are two specific charts that concern me particularly in your draft EIS:

1. On page 2-5, your Strategic Target System Launch Vehicle Comparison chart is invalid. It tells the truth as far as it goes, most likely, but it doesn't go far enough to tell the truth: Where is a comparison of the hazard areas for the missiles in question? How many of them are greater than Kauai's entire land mass?

2. On page 3-5, your Hundred-Year Tsunami Flood Zone Map, honestly depicted as 'not to scale,' has miraculously established that the dune/launch area is out of the tsunami zone. According to Kauai Civil Defense, the entire Mana Plain is in a tsunami zone.

Time moves along, on small scales and grand ones. Since your postmark deadline for comments is barely two hours away, I must conclude these comments. I do so by beseeching you, in your positions of influence and authority, to join our struggle within the grand scale of time. We need your help to preserve this earth. For the life of the land, *We thank you.*

Kind regards,

Suzanne Marinelli
Suzanne Marinelli
Chair

(4)

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WR231 (cont.)

Chaz Kelley

I believe that lasting peace and prosperity in the world will never be achieved through military might or the threat of violence. The Arabs and Israelis have been at war for over 4,000 years. They used to throw rocks at each other - now they throw missiles. Nothing has changed. Violence only begets violence. Fear begets only fear. Fear and anger serves only to divide people and set them against each other. This is exactly what the arms manufacturers want. This is how they make their billions. This is how they take our money and steal our children's future from us. Deceit and lies keep us fearful and angry and divided, but they are only lies. We were told that the atom bomb would bring peace to the world. That was a lie. They say that Star Wars will make us safe. I believe this also is a lie. It won't stop a nuclear warhead hidden inside an imported car. It won't stop a nuclear warhead hidden inside a sailboat floating into Pearl Harbor. It won't stop Saddam Hussein. If Saddam Hussein wanted to detonate a nuclear device in the United States he could simply hide it in a 55 gallon steel drum, label it "oil" and let Exxon deliver it for him. Star Wars won't work against nuclear terrorists. It's like spending 30 billion dollars to have burglar bars installed on your home, and then leaving the back door open when you go out.

2-191

April 11, 1992

COMMENTS ON PROPOSED GRANT OF EASEMENT

Ray Chuan

1. Easement not related specifically to STARS program, or any program, for that matter. In the preamble, p. C-1, Appendix C of DEIS, the only reference to programs is contained in paragraphs 2 and 3 on that page; and refers only to "Department of Defense and other federal projects involved with the launching, tracking and collection of data associated with guided missiles, satellite and space vehicle research, development and evaluation and military training programs; ..." One has to conclude from this that the United States government intends to use the "easement" for any and all present and future programs, for an indefinite period, since the duration of the proposed "easement" is not yet specified by the United States.

2. Easement conveys to the United States control of State land use for the duration of the easement, an indefinite period. Paragraph 1. on p. C-2 of Appendix C, prohibits the State from exercising any control of land use in the defined areas of state land, not just during periods of launch activities (as called for in the Memorandum of Agreement, Appendix B of DEIS), but for the entire duration of the easement grant, which is yet unspecified. This is a serious intrusion into the rights of the people of the State of Hawaii, through their state government and, specifically, the Department of Land and Natural Resources, to determine land use issues by established statutes and rules. While the closing of the subject areas during launch periods is covered by paragraph 2 of the proposed Grant of Easement, and is thereby limited in duration, paragraph 1 nevertheless takes away from the State the right to control the use of its land beyond just the few hours during a launch operation. The inclusion of paragraph 1 in the easement clearly shows that the United States government intends to expand its activities at PMRF, beyond those concerning which the DEIS has been prepared. The entire DEIS is therefore defective by virtue of the provisions of the proposed grant of easement.

3. No responsibility to notify the public of launches. Paragraph 7 of the proposed Grant of Easement states, "The United States will attempt to notify the State at least seven (7) calendar days prior to each scheduled launch requiring the exercise of the above rights." There is no commitment on the part of the U.S. to notify the public of the State of Hawaii.

QUESTIONS

One has to question the whole purpose behind this proposed Grant of Easement. This document was not introduced in the earlier Environmental Assessment nor the subsequent Supplemental EA; but only appears in the current draft EIS. It should be noted that the date on the draft Grant of Easement is 1/29/92. So presumably the military had second thoughts about how much control it needed over the state land adjacent to the present boundaries of PMRF. Is the Memorandum of Agreement even necessary if the Grant of Easement is signed by the State? How much money is involved in the Grant? What is the duration of the Grant? Without specific answers to these and

probably other questions the lawyers can think of, one must ask what kind of secret agenda is behind this newly introduced concept of a broadly framed grant of easement which, if signed by the State of Hawaii, would give the United States carte blanche control over state land (including parts of a state park) without giving the public any accountability. Is this legal?

Can we get the SCLDF to look into this; and possibly include it in the ongoing suit? Are there other cases like this between the US and a state? Does this broad grant of state's rights open a new Pandora's Box? What can we do to get the issues aired? Any lawyers locally who may be interested in looking into this?



Kauai Group of the Hawai'i Chapter
 Post Office Box 3418
 Lihue, Kauai, Hawai'i 96766
 April 13, 1992

Mr. Randy Gallien
 Lt. Col. Gus Manguso
 USASDC
 P.O. Box 1500
 Huntsville, Alabama 35807-3801

Re: Draft EIS for STARS

Aloha, Gentlemen:

On behalf of the Kauai Group of Hawaii's Sierra Club, our Executive Committee rejects the "Draft Environmental Impact Statement for the Strategic Target System" dated February, 1992, as inadequate.

The reasons are many. We reject its entirety, and the program it supports, on the basis of these principles:

1. The National Sierra Club opposes space-based weaponry of all forms, with specific mention given to 'Star Wars' programs.
2. I believe SDI programs fall outside the scope of the military's direct parameters, and within the governance of private industry. This is anathema to me. Our armed forces are made to function inadequately for the sake of private defense contractors' year-end corporate profits.
3. Further, SDI, with its ever-changing definitions and goals, slithers about with no direction. The STARS/EDX program itself is designed to protect us, some day, against an enemy who no longer exists. (And if the U.S.S.R. still did exist, who's to say they'd politely follow the "gentleman's agreement of attack" and launch an ICBM overtly? Why not the warhead-in-a-drum venue mentioned by so many at the public hearing last month? (See Chaz Jetty's testimony, attached. I thought it was 'best of the show' for both nights.)

As to specific internal failings of the document in question, we submit these comments as reflecting a few of our many concerns:

April 13, 1992
 Page two

ALTERNATIVES:

Page ES-2 of the draft EIS encapsulates Sierra Club's position most succinctly: "Selection of the no action alternative would result in no significant impact on Kauai." We favor this choice, the 'no action' alternative, as providing the greatest military safety internationally, the most favorable choice for the internal functioning of our island/county/state, the least expensive and redundant, and most intelligent choice for a healthy military. As I have previously pointed out, if this country can spend \$561 billion on militarism for 1992 alone and still not protect us from already-vanquished enemies, adding STARS to the fleet won't help one bit.

AIR AND ATMOSPHERIC QUALITY:

Air: I recall in reading the Environmental Assessment that all the mainland production and testing sites involved in this project failed to meet air/noise/water quality standards in one fashion or another. Only Kauai and Kwajalein were free of the air quality problems, because of our trade winds. I wish to point out that hazardous emissions don't vanish when they drift out to sea. Consider the mysterious eye tumours of the sea turtles: These creatures are starving to death because they can't see to find food. Those tumours don't just happen; they are caused. They are caused, somehow, by what we humans put into the air and sea.

Atmospheric Considerations: This is as good a place as any to stand up on my soap-box for a little while:

The question is, can we get smart enough, fast enough, to alter the legacy we've inherited from greedy and thoughtless ancestors who created the mess we're in? What are we giving to our young, the children, yours and mine?

If we keep at life the way we're going now, we'll simply give them the landfill and poisoned mayhem of a planet once thriving, soon defunct. It's our job to turn this pattern around, change it, make it right.

Human population is expected to double in the next forty years, to 11,000,000,000. Our resources are being depleted faster than they're being renewed - already. We're already in the red. What, please tell me, will it be like when our sons and daughters are our ages?

April 13, 1992
Page three

Will they go outside only in the morning or at night because the life rays of our sun have become cancerously fatal to them? Will they shelter their daughters and sons, our descendants, from the legacy of greed and thoughtlessness you and I have passed on? We cannot do this to them. We have to change. You and I. Personally. Every one of us. Or it's all over.

We pass laws to limit the amount of freon dumped into the stratosphere because we've finally noticed that its membrane is rupturing.

Meanwhile, your program would continue to rupture that membrane, to protect us from the ghost of enemies past. I'm told that each launch would deposit the equivalent of at least 66 refrigerators' worth of freon directly into the stratosphere. This is like injecting heroin directly into the vein. How long can the living live, like this?

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The researchers from Moss Landing Marine Laboratory who spoke at the hearing, Tom Novis and Anne Zoidis, encapsulated our concerns very well. [I know you're already onto this, Randy; I saw you taking notes while both of them spoke.] We feel that your launches would occur too close to the birthing grounds of the endangered humpback whales, approximately 25% of whom now use the waters directly offshore from PMRF.

CULTURAL RESOURCES:

Nohili dune is sacred. It is an inappropriate place for war machinery. I refer you to the verbal presentations of various members of Nohili Coalition, Rev. Kaleo Patterson in particular. Please note, in your draft EIS, page ES-3: "The entire land area of KTF and PMRF could be considered archaeologically sensitive because of the cultural resources found within the installation."

LAND USE:

You have failed to consider the concerns of kanaka maoli in making your plans. I refer you to the presentations of Rev. Patterson's guests at the second citizen reviewer meeting, and to Ms. Davianna Magregor's verbal testimony at the recent

April 13, 1992
Page four

public hearing. The land surrounding PMRF [indeed, the land underlying PMRF] belongs to the Hawaiian nation; Kekaha Sugar Company's lease will soon expire. You would be remiss to assume that land is yours for the overwhelming.

ADDITIONAL LAND USE ISSUES:

Please refer to the excellent material submitted to you by Dr. Raymond Chuan, attached. Dr. Chuan points out that you hope to "attempt" to notify the State of Hawaii when you stretch the base's boundaries, launch by launch, year after year. This would continue until those boundaries have actually changed in peoples' minds (refer also to the verbal testimony of Mr. Micco Godinez from the public hearing). Your attempts to colonize the state park and highway, and adjacent Hawaiian land, do not serve us well.

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On page ES-4 you mention (under 'Noise') that off-base housing is eight miles away. Base housing is much closer - four miles? three? two? These houses are inhabited by people more directly endangered than the rest of us in the event of catastrophic launch failure.

You will tell me that all 'errors' will fall within a 10,000' hazard arc; I will reply to you that the oil industry projected that a spill like the Valdez' (yes, you've heard this one from me before. . .) would occur once in 241 years. It took only seventeen.

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Your fuels might get transported down our little highway (two of your four scenarios allow this): How about the drunk driver, the blowout of a passing vehicles' tire?

These are the elements of disaster. They are never planned. Combine the infinite random variables with antique rockets and you have a disaster waiting to explode. Or else you still have a program designed to protect us against a former enemy.

April 13, 1992
Page five

INFRASTRUCTURE:

Your 'fire suppression system' is $\frac{1}{2}$ " PVC water pipe. That's sure to put out an explosive fire.

SOCIOECONOMICS:

We reject utterly your notion that a catastrophic launch, or even a near failure, would not damage our economy. We are about 90% dependent upon tourism for our livelihood. It's too high a percentage, but it's very real. I would like to point out to you that the Kauai Economic Development Board has just applied for more than \$1,000,000 in grants to counter the detrimental economic effects of national news coverage from our one-day flood in December, 1991. How many grants of a million dollars will it take to fix the effects of one rocket failure? Ten years' worth of sporadic access to state campgrounds? One missile gone inland by accident? Reduced tourism because of increased ozone depletion and skin cancer rates?

FINALLY:

There are two specific charts that concern me particularly in your draft EIS:

1. On page 2-5, your strategic target system launch vehicle comparison chart is invalid. It tells the truth as far as it goes, most likely, but it doesn't go far enough to tell the truth: Where is a comparison of the hazard areas for the missiles in question? How many of them are greater than Kauai's entire land mass?

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Time moves along, on small scales and grand ones. Since your postmark deadline is barely two hours away, I must conclude these comments. I do so by beseeching you, in your positions of influence and authority, to join our struggle within the grand scale of time. We need your help to preserve this earth. For the life of the land, we thank you.

Kind regards,


Suzanne Marinelli
Chair

Enclosures (2)

2-195

Ray Chuan April 11, 1992

COMMENTS ON PROPOSED GRANT OF EASEMENT

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WR231 (cont.)

Apr. 15 '92 10:56

0000 CHUAN HANALEI

TEL 808-826-1115

P. 8

probably other questions the lawyers can think of, one must ask what kind of secret agenda is behind this newly introduced concept of a broadly framed grant of easement which, if signed by the State of Hawaii, would give the United States carte blanche control over state land (including parts of a state park) without giving the public any accountability. Is this legal?

2-196

WR232

Senator Inouye, 4-10-92
I do not want any

portion of the S.D.I. program
on Kawai. It feels inconceivable
that a so called "civilized"
population could participate in
this program. I do not support
military expenditures of this kind
with my tax \$.

~~Steven C. Stocker~~

Steven C. Stocker
Box 910
Kilavea HI
96754

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4/7/92

Dear Senator Inouye,

We do not want to have the Star Wars Program on Kauai. We are concerned not only about the unforeseen environmental impacts and more damage to the ozone layer, but also negative consequences for the tourist industry, our main source of income.

We ask you to use your influence to stop it and respect the fragile balance and ecology of this small island.

Mahalo,

Ann Matthews
P.O. Box 869
Kilauea, HI
96754

4-9-92

Senator Daniel Inouye

I would like to express my appreciation at your efforts at getting the environmental impact statement done. I didn't feel the EIS was done as thoroughly as I would have liked. It didn't include the possibilities of accidents either at the launch site or the fuels travel on the road, water or by air. So have us believe STARS would only damage some ferns and culture is absurd.

I remember not too long ago the damage Hurricane Ina did to our island and to our tourist economy. This was a natural disaster that took us many years to recover from. I doubt we could ever recover from a man made disaster like the one STARS could provide. The damage seems endless. Endangering our plant and animal life, infringing on a Hawaiian sacred site, jeopardizing our air, water and fishing, and more damage to our ozone layer. All these items are critical to our well being and to the tourist industry. I ask that you do not endanger my life or my families life and put an end to the STARS program. Thank you
Sienna Makarewicz

WR235

April 9, 1992

The Honorable
Daniel K. Inouye
Senate Office Building
Washington, D.C.

Dear Senator Inouye:

"Star wars" should be
scrapped, not only on Kauai,
but everywhere.

It is unconscionable, not
to mention a travesty on justice,
to pour billions of dollars into
a pipe dream while our entire
country is in the throes of a
deep recession and much of
the citizenry is in want and need.

Respectfully,
Irene Makarewicz

Irene Makarewicz
P. O. Box 575
Kilauea, HI 96754

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2-198

WR236

APRIL 8, 1992

THE HONORABLE
DANIEL INOUE
WASHINGTON, D.C.

DEAR SIR:

THE OVERWHELMING
MAJORITY OF KAWAIANS
HAS SPOKEN, IN NO
UNCERTAIN TERMS:

NO STAR WARS ON
OUR FRAGILE ISLAND!

RESPECTFULLY,

Roma Makarewicz

ROMAN MAKAREWICZ
PO BOX 575
KILAUEA HI 96754

1

Vertical text on the right edge of the page.



MOSS LANDING MARINE LABORATORIES

UNIVERSITY OF CALIFORNIA - SANTA BARBARA - SANTA MONICA - SAN FRANCISCO - SAN JOSE - STANFORD

P. O. BOX 247
MOSS LANDING, CALIFORNIA
94039-0247
(415) 941-2000

To: Deputy Commander
U.S. Army Strategic Defence Command

From: Salvatore Cerchio
Moss Landing Marine Laboratories

Re: Draft E.I.S. for the Strategic Target System

Date: April 13, 1992

I am writing this statement in response to the Draft E.I.S. for the Strategic Target System and will specifically address the potential impact on the endangered cetacean species *Megaptera novaeangliae*, the humpback whale, in the offshore coastal region adjacent to the P.M.R.F. and the coastal waters of Kauai. In 1989 I initiated a long term research project on the distribution, abundance and behavior of humpback whales off Kauai, and have coordinated this project for the last four years through 1992. In 1991 and 1992 I was joined by an associate, Tom Norris, whose verbal and written statement is also of relevance to this topic. My effort has focused on collecting identification photographs of individual whales in order to quantitatively assess the size, distribution and migratory characteristics of the whales that winter each year off Kauai. I am further using this sample in conjunction with other researchers throughout the Hawaiian Islands to re-assess the status of the Hawaiian population of humpback whales and to investigate the distribution and movements of this population among the Hawaiian Islands. Concurrent with this research, I have been recording the vocalizations of breeding humpback whales, classically known as "songs", in an effort to examine temporal and geographic variation of this acoustic display across the Pacific Ocean Basin. Preliminary results from these studies has been presented and discussed at recent meetings of professional scientific societies (Cerchio and Gabriele, 1990; Cerchio, Gabriele and Frankel, 1991) and a thorough analysis of these data is currently in progress.

Since the data presented on humpback whales off Kauai and the P.M.R.F./K.T.F. in section 3.4.3.2 of the E.I.S. is largely outdated and misleading, and since I was not consulted during the drafting of the E.I.S., I find it of critical value to report to you my preliminary results and observations over the past four years. The range of coast covered during this project stretches from Makaha Point counter-clockwise around the island to Makahuena Point. Much

of the effort has been concentrated off the west side of the island between Nohili Point and Kekaha, since my observations have indicated that this area has consistently had the greatest concentration of whales within my range. During the years 1989, 1990 and 1991, we collected 430 observations (identification photographs) of 376 different individual whales (Cerchio et al., 1991). I suspect that this represents only a fraction of the whales that used these waters for two reasons: 1.) only a small percentage of individuals were sighted more than once each year (4% in 1989, 4% in 1990, and 12% in 1991) indicating a large population, and 2.) we successfully identified approximately 60% of the whales we approached to photograph, we approached approximately 50% of all the whales we sighted, and we worked on only 30% to 60% of the days between mid-January and late-April depending on the season. This leads me to believe there were many more whales in the study area that were not identified than were identified throughout the seasons. I applied these data to mark-recapture models of population abundance estimation, using each year as a separate sample, in order to get an estimate of the number of whales that have used this breeding area over these three years. A Schnabel estimator of abundance model (Seber 1982), recommended for use with multiple years of mark-recapture data by Baker and Herman (1987), and Cerchio (1987), provided a population estimate of 3022 (95% C.I. +/- 1647) (Cerchio et al., 1991). Analysis of the 1992 photographic data is currently underway, and I suspect that this years sampling will add at least 200 more observations with similar resighting rates, and will serve to increase the precision of this estimate.

The sample of photographs from Kauai was also compared to the University of Hawaii catalogue of individual humpback whales from the Island of Hawaii in order to assess the movements of whales among the islands (Cerchio and Gabriele, 1990; Cerchio et al., 1991). From a total sample of 1089 different individuals photographed over 1989-91, only 40 individuals were sighted in both regions; furthermore, there was a statistically significant trend for individuals to be re-sighted off the same island which they were initially sighted (Cerchio et al., 1991). This indicates the possibility of partial segregation of the Hawaiian population among the islands, and stresses the importance of Kauai as a unique breeding habitat apart from the other islands. In 1991, an individual was sighted off Kauai (close to P.M.R.F.) that had been previously sighted in Japan in 1990 (Darling and Cerchio, in press). This represents the only observation of the movement of a humpback whale between Japan and Hawaii to date, and comes after an extensive comparison of photographs from Japan and the central and eastern North Pacific from 1975-1990, further indicating the uniqueness and importance of the Kauai breeding region.

Along with collecting identification photographs off Kauai, we also made visual observations of all sightings of humpback whales (both photographed and not photographed) throughout the seasons. All behavioral classes of whales that have been described in the literature have been observed off the P.M.R.F./K.T.F. These include mothers with calves, males engaged in acoustic courtship displays (song) and large competitive courtship groups, indicating that this region is an active breeding area. My personal observations over the four years indicate that the area off P.M.R.F. between Nohili Point and Kokole Point contains the greatest concentrations of whales within my range. This is best illustrated by data from 1991 and 1992, reported also by my associate Tom Norris. In 1991, of a total of 368 sightings of whales, 198 were sighted off P.M.R.F., and in 1992 (prior to 23 March, mid-season) 190 sightings were made off P.M.R.F. of a total of 276 sightings. In both these cases over 50% of the sightings were made in a region where less than 50% of the effort was concentrated. Sightings of mothers with calves seem to follow this same trend; of 22 sightings of mother-calf pairs in 1991 and 1992, 12 were sighted off P.M.R.F. It is also important to note that the population off Kauai is fluid and individuals are constantly moving around the island; I have on several occasions followed groups of whales into the P.M.R.F. region from as far as Poipu. These observations are supported by an aerial survey study conducted by Mobley and Bauer (1991), which indicated that the regions around Niuhau, the west side of Kauai and the intervening channel showed some of the greatest concentrations of whales among the Hawaiian Islands.

I have also recorded the breeding songs of 141 humpback whales between 1989-91. I suspect that the efforts of Tom Norris and myself will add recordings from at least 50 more whales by the end of the 1992 season. Although I do not have the exact numbers available, many of these recordings were made off the P.M.R.F. area. From my observations, I believe that the region off the P.M.R.F. may represent a preferred zone for singing whales, which would be expected from the observations of high concentrations of reproductively active whales. I have heard on many occasions what has been termed "chorusing", in which several singing whales spaced relatively closely can be heard at once. This behavior seems to be more prevalent off the west side of Kauai than in other parts of my range.

I believe that I have demonstrated that the coastal waters of Kauai and particularly the region off the P.M.R.F. on the west side of the island is critical and sensitive breeding habitat for humpback whales. I feel that the E.I.S. has both underestimated the abundance of whales in this region and the importance of this habitat. If the statement in section 4.4.4.3 of the E.I.S. concerning

Environmental Consequences and Mitigations, which claims that the presence of a whale will delay a launch, is taken seriously and held to, then I fully expect that there will be no launches during the months of January through April. I furthermore think that this should be the case, from the perspective of the population of endangered humpback whales. Consideration should also be given to other sensitive species that reside in the area year round and that are protected by the Marine Mammal Protection Act and/or the Endangered Species Act.

Finally, I support all statements and recommendations made by my research associate, Tom Norris, and ask that you refer to his statement in conjunction with my own.

Literature Sighted

- Baker, C.S. and Herman, L.M. 1987. Alternative population estimates of humpback whales (*Megaptera novaeangliae*) in Hawaiian waters. *Can. J. Zool.* 65:2818-2821.
- Cerchio, S. and Gabriele, C. 1990. Inter-island movements of humpback whales in the Hawaiian Islands: a study of two seasons on the Island of Hawaii and Kauai. Poster presented at the American Cetacean Society Fourth Biennial Conference. Monterey, California.
- Cerchio, S., Gabriele, C., and Frankel, A. 1991. Inter-island movements of humpback whales in the Hawaiian Islands: three seasons off Hawaii and Kauai. Paper presented at the Ninth Biennial Conference on the Biology of Marine Mammals. Chicago, Illinois.
- Darling, J.D. and Cerchio, S. In press. Movement of a humpback whale (*Megaptera novaeangliae*) between Japan and Hawaii. *Mar. Mam. Sci.*
- Mobley, Jr., J.R. and Bauer, G.B. 1991. Changes in distribution of humpback whales on the Hawaiian wintering grounds: 1990 aerial survey results. Paper presented at the Ninth Biennial Conference on the Biology of Marine Mammals. Chicago, Illinois.
- Seber, G.A.F. 1982. The estimation of animal abundance and related parameters. Macmillan Publishing Co., New York.

MARCH 13, 1992

Dear Mr. Gallien,

I am writing in regards to the STAREWARS meeting held in Kauai, Hawaii two last March '92. I was informed that writing a letter by April 13, '92 (postmarked) would count as a vote as if at the meeting. If your vote is the only vote that counts in the end, please consider this in your representative decision making:

As a concerned citizen living in Hawaii I should firstly state that I am against what I feel is a sacrilege to the Hawaiian people, as well as, the sacred lifestyles of the indigenous people of the Marshall Islands.

Besides the obvious dangers of bombing near the innocent people of the Marshall Islands and their sacred homeland, the dangers this operation promotes to Hawaiian citizens is catastrophic.

FACTS:

Although SDI (Special Based Nuclear Defense Weapon System) presented a flawed report to Congress to get more money ~~funded~~, on March 13, 1992, when SDI experimentally shot a missile to be intercepted by another missile coming from a different area - IT MISSED. I fear to think SDI tries to assure this "safe" image to the public.

although this image and the safety it insures are obviously false to fact.

And are you aware that Polaris, Aries, and Zest missiles have all proven high failure rates with great danger to both the environment and humans: ~~It~~ Perhaps most importantly, it is with these missiles that SDI proposes to shoot on an island only 550 square miles round, saturated with thousands of Hawaiian people and tourists? Even when it has been advised that the Aries missile needs 600 square miles surrounding it to be "safe".

Please don't vote to allow a faulty missile blow that would make Hawaii the other experimental "slum of the Pacific", ~~the Marshall Islands~~. This is what SDI thinks is ok. to do to people; like the Marshall Islands, now one of the most depressed, densely populated parts of the earth.

Thank you for your time. You may be our only hope if we are to believe in this system any longer.

W. J. Morrison

Star Wars or "Stars"

Greetings, Mr. Gallie

April 9, 1992

Life magazine has our planet on its cover. This planet is our home. Hawaii is our home. Dolphins, whales, & Monk seals live in our waters. They are mammals, so are we. Save us, save our environment, our ozone layer needs care & protection so we can all keep living. "Behold The Earth." I feel bewildered as to why, after all the findings of our environmental damage, this is still even a concept or consideration.

A few words about the public hearing at the war memorial. I was shaken & ill at the disrespect of human right displayed by too many. The shock wave of hostility, anger, fear & credulity released by & directed towards the deaths of Kuuie was tragic.

Yesterday, I implore you, you already know all there is to know of the pros, cons, so now please act upon this knowledge & wisdom. Stop the nightmares. No action. It doesn't make sense, the rocks are too deadly,

we want to live without "the rockets red glare, the bombs bursting in air".
"Let there be peace on Earth & let it begin with me" I love you, I bless you, my peace I leave with you.

Trusting you to do the right thing

I remain respectfully yours,

Josias J. Beckwithel 'Aguia'

Mother of Jhana Ho Wong 32 yrs
Hibbi Beckwithel 30 yrs

Grandmother of Anela Kai Josiana Wong 13yrs
Halika Kai Wong 8 yrs

P.S. Please read the Life Magazine
Behold The Earth

God Bless Us All

WR240

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

Dear Bad guys,
Don't shoot big game on our island.
I want to grow up to be a female
cook at my Nanny's kitchen and still
be on the island.

1

From
Mrs. [unclear] (Auntie)

Name: Mrs. GRANDA
Address: 1455 Kaula Rd
City/State/Zip Code: Kapaa Hawaii 96746

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

2-203

WR241

2120 Kakela Pl
Honolulu, HI 96822
(permanent: Box 404
Kilauea, HI 96754)
April 13, 1992

Deputy Commander
US Army Strategic Defense Command
Attn. CASSD-EN-V (D.R. Gallien)
Po Box 1500
Huntsville, Alabama 35807-3801

Dear Sir:

I appreciate being able to read the Army's EIS for the Star project at Barking Sands on Kauai. I remain opposed to the Stars project for the following reasons:

1

1. Scientists who have worked for years on the program have publically asserted (Common Cause, Newseek, Honolulu Advertiser) that Stars is a "boondoggle", a fraud; that, after billions of dollars of research, the project is only a computer simulation; that the project would - even if it were technically feasible and affordable, only produce spotty protection. On top of this, the Patriot missile has been cited as a success story that justifies continuing STARS testing and research. However, last week, national news stories revealed that the reliability and effectiveness of the Patriot was far, far less than originally assumed. The successes of the Stealth airplane were similarly discredited. There is no point in expand the PMRF facilities to test a patent defense dream.

2. The nation does not have the money to waste. The cost of military spending in proportion to other national needs and the actual small security benefits derived from those expenses is an underlying cause of the disintegration of the Soviet Union. Our military dollars should be spend paying for well trained, well equipped, well paid combat and support troup.

3. Peace is costly. The dividend of peace is peace and, hopefully, new prosperity based on reallocation of defense dollars to education, health, housing environment and infrastructure needs in the USA and worldwide. The cost of peace is jobs in the defense industry and that is a real and painful price. On Kauai, over 2000 people feel jeopardized by the possibility of the no STARS, though, apparently it is not their jobs which are jeopardized

WR241 (cont.)

but the expansion of the base with additional jobs. However, in Los Angeles alone over the next 5 years, it is estimated that over 480,000 jobs will be lost because of peace. This is a dreadful high cost, but it is still a sound price to pay in the long term interest of the survival of our species and for the turn around of our economy.

Please, my opposition to the STARS program has deepened over the past year because of the opinions of the scientists who have worked in the program and because of world events. I also have greater respect for the ARMY for the fair way you have conducted hearings on this issues and for your response to the public and Hawaii's leader's concerns. The ARMY has better things to do than to push ahead with STARS.

Aloha.

Beryl Blajich
Beryl Blajich

2-204

WR242

4/12/92

Dear Deputy Commander,

I am writing to you regarding the Strategic Target System program on Kauai. 1

After attending the public hearing and reviewing the EIS, it is clear to me that the EIS does not sufficiently address the impact of the STARS program. It is the opinion of my family, friends and I that this program should not be allowed here. The culture, economy and environment cannot sustain such an impact.

Therefore, please - no impact!

Thank you for your consideration.

Sincerely,

Jill Jeter

PO Box 1052
LAWAI KAUAI HI
96765

9 April 1992

Dear Senator Inouye -

I am the mother of 3 young children. My husband and I moved here 10 years ago to raise our family in the best environment possible. Naturally we are concerned about the future of our lovely island.

We do not support the Star Wars Program on Kauai - there are too many negative, perhaps disastrous, consequences which could arise from such a program.

We support the people at PMRF but NOT STAR WARS.

Please do what you can to prevent it!

Sincerely with Aloha

Richele Frailey

RICHELE FRAILEY
BOX 267
ANAHOLA, HAWAII 96703

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2-205

4-9-92

To D. K. Gallier -

I am opposed to any launches planned for the island of Kauai.

Any accident could mean death & destruction for all of us on this beautiful island.

Instead, plan something for peace. We really do need peace - no more missiles.

Thank you.

Sincerely,

Joan Hudson

JOAN HUDSON
PO BOX 161
KEALIA, HI. 96751

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WR245

486A Mauna Iho Place
Hilo, Hawaii 96720 USA
April 11, 1992

Deputy Commander
U.S. Army Strategic Defense Command
CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, AL 35807-3801

Dear Deputy Commander:

I wish to submit public comment on the Draft Environmental Impact Statement (EIS) for the Strategic Target System dated February 1992.

I decided to address this comment to you after reading in the April 8, 1992 issue of the Honolulu Star-Bulletin that France has announced it will suspend its nuclear testing program and is urging other nations to follow suit. This is wonderful news!

The former Soviet Union, now the Commonwealth of Independent States, instituted a moratorium on testing last year. With the end of the Cold War, where is the danger of a missile attack coming from? Any danger is more apt to come from terrorists who would not resort to missiles to fire nuclear or other explosives.

I am a missionary of the United Church of Christ, a Protestant church of 1.6 million members, and am presently stationed in Hawaii assigned to work on Pacific and Asian concerns. From 1970 to 1988 I served as a missionary in Asia. At the end of 1991 I completed a three-year term as the interim coordinator of the Pacific Ecumenical Forum, an ecumenical network consisting of the Christian Conference of Asia, the Pacific Conference of Churches and the Ecumenical Councils on the West Coast and Hawaii. During my work with the Pacific Ecumenical Forum I was privileged to travel to various Pacific Island nations and to meet many of their church leaders. I was one of the resource persons for the 10th Youth For Christ conference held in Majuro, Marshall Islands in June, 1991 and attended by almost five thousand youth, including a large delegation from Ebeye.

My major concern in your draft EIS statement is the cultural destruction that will affect both the Native Hawaiian and the Marshallese people. The Pacific Missile Range Facility in Barking Sands on Kauai is located on "5(f) Ceded lands," and the nearby Hawaiian Homelands in Kekaha are bound to be affected by the slightest testing mistake. Past testing in the Marshall Islands has been the major cause resulting in the close to 10,000 people now living in overcrowded conditions on Ebeye, an island the size of the Ala Moana Shopping Center!

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WR245 (cont.)

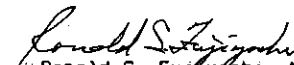
You must include in the final EIS report the possible cultural impact the missile testing program will have on both the cultures of the Native Hawaiian people and the Marshallese, especially those living in Ebeye island. I have been informed that the EIS statement that was made available in a hearing on Ebeye was only in English and not available in the Marshallese language. Is this true? If so, how can you expect to have adequate response to the EIS process?

I am concerned about the effects of hydrogen chloride emissions on the environment of Kauai and the effect of the release of freon on ozone depletion. Since the atolls of the Marshall Islands and Kiribati are low-lying, even a one meter increase in height of the ocean will destroy a significant land area of these countries.

I urge you to follow "The No Action Alternative" of the program to launch the SDI or "Star Wars" vehicles from the Pacific Missile Range Facility on the island of Kauai, Hawaii to land in the vicinity of Kwajalein Atoll in the Marshall Islands. I am not in favor of closing down the Pacific Missile Range Facility on Kauai but urge you to consider a conversion of the facility to producing products of a peaceful nature.

Thank you!

Sincerely yours,



Ronald S. Fujiyoshi, Missionary
United Church Board for World Ministries

2-206

4/10/92

TO WHOM IT MAY CONCERN:

AS A RESIDENT OF KAUAI, AS A
CITIZEN OF THE USA I WOULD LIKE
TO VOICE MY POSITION WITH REGARD
TO PMRF AND STAR WARS EXPERIMENTATION.
I AM FOR PMRF.
I AM AGAINST STAR WARS BALLISTIC MISSILE
TESTING.

SINCERELY,

Mr. R. Bailey
Lilanea, Hawaii

2-207

April 6, 1992

Dear Sen. Daniel Inouye and Mr. Rudy Gullien,

I am an history instructor working at Kauai
Community College. I grew up on Kauai. PMRF was
around as long as I was and I have never had cause
to protest the base or its projects. Until now. I am
strongly opposed to the STARS missile launch program. I
do not believe in the need for such a program, especially
on Kauai. Please do not let this happen. It is dangerous
and works against a peaceful community. Kauai should not
support a force that will destroy the earth or its people.
PMRF as it stands is not a problem. STARS is.
Thank you for your time.

Sincerely,

Calvin M. Opley

CALVIN M. OPLEY

4454 HALIPIA RD.

KAHOOLAWE, HI 96746

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WR248

April 8, 1992

Dear Mr. Gallien,

I support the 'No Action' alternative on your Draft E.I.S. I am strongly opposed to Star Wars testing on Kauai for the following reasons:

1. Our environment is our economy. One accident could have a devastating effect on our tourism and real estate revenues.
2. The effect on our ozone layer has not been properly addressed within your E.I.S. Brominated fluorocarbon, a by-product of launching missiles, has been shown to deplete the ozone in our atmosphere.
3. Nohili Dunes is a culturally significant area, inappropriate for use as a launching site.
4. I do not want my tax dollars to perpetrate human rights violations upon the people of Ebeye.

We understand that the employees of the Pacific Missile Range Facility have been threatened with the loss of their jobs if this program is not commenced. Please clarify this misconception immediately so that each P.M.R.F. employee may make a conscientious decision based on the true impact of the program, not under duress from fictitious threats.

Sincerely,

2-208

WR249

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

To the Deputy Commander,

After reviewing the Draft E.I.S.

I worry and wonder what couldn't be considered to have NO environmental impact. ~~With~~ With the right words I suppose you could write you way out of a above ground nuclear test.

If one in ten rockets fail on the Dry side of Kauai who will put out fires in Waimea canyon and points west? Please find a better way to spend your time. Protocol to save the ozone.

Name Thomas S. Pickett

Address PO Box 630 Kilauea Hi. 96754

Street Address

City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
 Deputy Commander
 U.S. Army Strategic Defense Command
 Attention: CSSD-EN-V (D.R. Gallien)
 P.O. Box 1500
 Huntsville, Alabama 35807-3801

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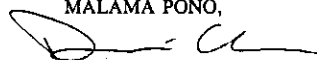
WR250

April 6, 1992

To: HONORABLE SENATOR DANIEL INOUE
MR. RANDY GALLIEN

As a concerned citizen of the island of Kaua'i, I would like to voice my opposition to the proposed use of Kaua'i as a missile launch site. Especially in view of the fact that the area in question has such cultural and spiritual importance to the native Hawaiian. Another item is the question of safety. If this is so safe and environmentally sound, then why is this system not tested on the mainland, which is a lot closer to the areas in which the materials would be manufactured and produced? Why are native peoples forced (through force) to be evicted from their ancestral lands and lifestyle? This seems so similar to the plight of the people of Bikini atoll and the refusal of the United States follow through on their promises. In light of recent developments concerning the breakup of the Soviet Union, why is this system needed anyway? Hawai'i, and especially Kaua'i, does not want to be a dependent of the United States Military. The establishment of this program is a step toward military dependency. Not having the program doesn't mean jobs will not be available or people will be losing jobs. This is a fallacy that is being promoted by those who approve of experimenting with other peoples lives, culture, lifestyle, and land (as long as they themselves are not affected). Please help keep Kaua'i from becoming another Kaho'olawe.

MALAMA PONO,



DENNIS CHUN
2830-A UPENA St.
Lihue, Kaua'i, HI.
96766

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2-209

WR251

4/3/92

Dear Senator Inouye
and Mr. Gallien,

The conflict over the STARS issue has been very painful for our community. Until now, PMRF has enjoyed a friendly relationship with its neighbors. This situation has brought some ugly feelings to the surface - based on fear, mistrust and anger which, I believe, has been purposely created and manipulated by those with economic interests as their hidden agenda. But this is not about money - it is about peace, sanity, our children, our environment and our spirits. Please find some other work for these folks to do which will contribute to the health + welfare of their community, and protect our tiny island from the military weapons systems.

Thank you, Hilary Mayall
H. Mayall, Box 612, Kilauea, HI 96754

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WR252

Dear Senator Inouye 4/2/92
& Mr. Gallien,

I am asking you to please stop
the Star Wars project on Kauai.
PMRF has done fine without it.
The missiles are dangerous
to our environment - immediate
& atmospheric.

Mahalo,

Jullita Jones

Jullita Jones
PO Box 735
Kilauea, HI
96754

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2-210

WR253

Senator Daniel Inouye
and
Mr Randy Gallien

1010 Puuopae Rd.
Kapaa, HI 96746

I am a student at KCC and am
concerned about the STAR missiles being
launched from Kauai at PMRF.

I do not agree that it should
be launched from Kauai because of
how small our island is. The effect
after the missiles be have been launch could
contaminate our island and destroy every-
thing at the same time

~~Reiterate to the copy of the~~

So please stop the STAR Missiles
from ever being experimented on this
island

Thank-you


Marciana Garma

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WR254

To whom it may concern:

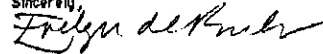
I have lived in Ha'ena, for nine and a half years, painting my experience of the majestic and mystical wonder that is the beauty of this Pacific island. On my side of Kauai is the north gateway to the NaPali coast, and though by car, Barking Sands and Polihale seem on the other side of the earth, the missile base there is actually no further from me than Kilauea. That the army wants to test these ancient, outdated rockets, that they will be blasting them off from a sacred heiau, that they will be shooting them off in my neighborhood, from this premier coastline reveals the minds of madmen.

The EIS conducted by the military could hardly be an objective piece of research, and in fact is so broadly speaking and generalized in its terms that it cannot be seriously considered as a foundation document for such life and death decisions as the placement, distribution and firing of these antique weapons.

I am opposed to the star wars missile program at PMRF and feel the threat of loss of projects is obfuscation. That these launches are being aimed at other islands whose people have been given no voice in the matter shames me for my country. It seems the military has no conscience, certainly not one I can trust.

Murphy's Law has a name for a reason; because things do go wrong. Remember the scene in "Body Heat" when the ex-oon tells James Murt that even if you think of all the things that could happen, there will be 50 more you didn't think of? The army thinks it has thought of all the eventualities. Kauai residents have thought of a few possibilities too, yet the unimaginable ones lurk as well.

~~Hold~~ the nightmare. There must be NO ROCKETS IN PARADISE.

Sincerely,

Evelyn de Buhr
PO 158, Hanalei, HI. 96714

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2-211

WR255

Amy C. Nishihira
Post Office Box 95
Kalaheo, Hawaii 96741

April 7, 1992

Dear Senator Inouye and Mr. Gallien,

I am a long time resident of Kauai. It has come to mind that the STARS project, targeted to be tested on Kauai, is inappropriately placed. I object to the placement of STARS for a few reasons.

First, the ground safety area of 10,000 square feet is inadequate compared to the 18,000 square mile ground safety area at Canaveral. I am not sure if 18,000 sq. miles is needed for this project, but it does strike my attention that the aborted Aries missile did fling its burning debris three miles in different directions. Why then does this STARS missile which is a good five feet longer have the ground safety area of a small play ground?!

Second, should the missile need to be aborted along its path, and near in destination to Niihau island or Kwajalein Atoll, and its prevailing winds are North-Easterly, can you guarantee the safety of all lives near in proximity? I speak in reference to the hazardous emissions and chemicals hydrogen chloride and aluminum oxide.

Thirdly, I feel that the government is making a choice that involves risks with the lifestyle and health of Hawaii's people. I believe that this experimental tests encompasses not just the PMRF base on Kauai, but also the surrounding lands and residents. Morally, if you are willing to take risks and it affects only you, then it is permissible. However, should you involve other human beings against their will, you are taking away the fundamental rights of citizens of the United States of America. This is a protection that cannot be violated, not even for national defense.

I do not assume that Strategic Defense Command will consider the feelings of the residents over matters of national defense. But I do depend on our elected government officials to relay these concerns to them and do your utmost to address these concerns yourself. We are relying on you to make this STARS program strategically safe for those not wishing to take these risks.

Thank you for your consideration on these vital matters.

Respectfully submitted,



Amy C. Nishihira

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WR256

4-7-92

to:
Senator Daniel Inouye +
Mr. Randy Gallien.

I am strongly against the STARS project being done here on Kauai. I've had to do a lot of research on STARS for an English paper, and with the evidence given I feel that STARS is a big risk and hazard to our island. Please don't put it here.

Julia Boyce
1691 Keleka Road
Koloa, HI 96756

1

WR257

April 7, 1992

To Senator Daniel Inouye and
Mr. Randy Gallien:

I am strongly against the Strategic Target System project on the island of Kauai. The STARS program is not necessary here. Our people are very concerned about the environment.

Sincerely,
Ferdinand Mariano
Ferdinand Mariano
P.O. Box 932
Kekaha, HI 96752

1

2-212

100-100000-100000

WR258

Senator Daniel Inouye
Washington, D.C.

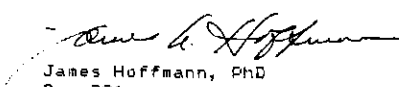
ATTENTION: RANDY GALLIAN

As a resident of Kauai who votes, I am writing to voice my support for The Pacific Missile Firing Range facility and the people who work there. However, at the same time I STRONGLY OPPOSE the "STAR" wars. I oppose the concept and I oppose spending any money at all on research or implementation of the project.

Our environment is in a precarious position. The economy is fragile. The educational system is failing in part due to lack of adequate funding. Why not spend our tax dollars on research and implementation of unique, innovative solutions to these real problems instead of on a system, equipment and materials that will hopefully never be used?

Kauai is a microcosm of the problems in the rest of the nation. Students are not receiving an adequate public school education and we are being overwhelmed with garbage, lack of recycling options, overfishing and water pollution, etc.

Changing spending priorities to the environment and education will not only put much needed dollars to work today but will also continue to have a positive impact in the future.


James Hoffmann, PhD
Box 321
Hanalei, Kauai
Hawaii, 96714

Date: April 6, 1992

2-213

WR259

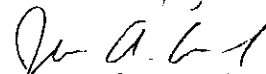
April 7, 1992

To Senator Daniel Inouye & Mr. Randy Gallian,

I am totally against the STARS.

Although I think it is a good program, ^{but} the results of failure could be catastrophic for our island. I think that our heritage should be preserved & our economy protected by putting an end to the STARS program.

Sincerely,


Jess Carbone

P.O. Box 762
Koloa, HI 96756

WR260

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I Requested an EIS when I scheduled time to appear at your hearing and didn't get my copy at that time; the fact that the people of the Marshall Islands was NOT addressed makes your EIS not worth the paper it was printed on we as the USA, are going to have to answer to this atrocity, and I as a tax paying citizen demand that we answer to this now! Give back the Marshall Island & their life style! KAUAI is a SPARADICAL Island a place to HEAL & LOVE & LIVE LIFE WITH OUT A THREAT OF A DISASTER I VOTE NO ROCKETS

THANK YOU!

Name Robert W McHEAVY

Address PO Box 586 KILAUEA HI 96754

Street Address

City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallen)
P.O. Box 1500
Huntsville, Alabama 35807-3801

1

WR261

4-6-92

To Senator Inouye & Mr Gallen

I oppose the Star Wars Defense program here on Kauai for environmental reasons.

however I do support the Pacific Missile Dence Facility in Kekaha

Mohelo

Earl Zerrille

PO Box 515

Kilauea, Kauai

96754

1

2-214

WR262

Senator Daniel Inouye
Washington, D.C.

ATTENTION: RANDY GALLIAN

As a resident of Kauai who votes, I am writing to state that I STRONGLY OPPOSE the "STAR" wars. I oppose the concept and I oppose spending any money at all on research or implementation of the project.

Our environment is in a precarious position. The economy is fragile. The educational system is failing in part due to lack of adequate funding. Why not spend our tax dollars on research and implementation of unique, innovative solutions to these real problems instead of on a system, equipment and materials that will hopefully never be used?

Kauai is a microcosm of the problems in the rest of the nation. Students are not receiving an adequate public school education and we are being overwhelmed with garbage, lack of recycling options, overfishing and water pollution, etc.

Changing spending priorities to the environment and education will not only put much needed dollars to work today but will also continue to have a positive impact in the future.

Sharon Smockhoffmann PhD

Sharon Smockhoffmann, PhD
Box 321
Hanalei, Kauai
Hawaii, 96714

Date: April 6, 1992

4.6.92

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WR263

April 2, 1992

TO: Deputy Commander
U.S. Army Strategic Defense Command
D.R. Gallien
and
Sen. Inouye

Having spoken at the "STARS" hearing in Lihue on March 25th, 1992, I also wanted to express my feelings in writing.

As a farmer on the North Shore of Kauai, I do not feel that launching of rockets from this island would be anything but harmful to the environment. While I support FM&F, I cannot support the proposed program.

I am already beginning to question just how much damage to my crops is due to the irresponsible destruction of our precious eco-system. Will the farmers of the future be growing our food underground if we continue to destroy our environment?

Respectfully,

Chad J Deal
Chad J Deal
North Country Farms
P.O. Box 723
Kilauea, Hi. 96754

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2-215

I am against the Star Wars project on Kawaii for
or anywhere else for the following reasons:

- 1) from the point of view of local politics:
this small and beautiful island should be a
place of aloha and peace
war preparations and their implications do not attract
visitors, our main source of income.
- 2) from the point of view of environment:
you get heavy fines for littering highways or
tampering with security installations.
how can the military tamper with the ozone
layer, our life-protecting shield, and tamper
with this fragile eco-system of Kawaii and risk
unknown consequences. In Vietnam they also told
Agent Orange had no damaging effects on human
beings, today we know that was not true.
- 3) from the point of view of democratic rules:
How objective can a study be if done by the
interested party itself? Wasn't the outcome
of the EIS clear from the beginning?
- 4) from the point of view of economy and jobs:
the manipulation with the fear of losing one's
livelihood is an old-one.
Couldn't we think of many more meaningful jobs
created from all those billions of tax money.
Couldn't it be channelled into life-preserving

instead of life-threatening activities?

- 5) last not least from the military, strategic point
of view:
there is no such thing as a perfect defense system.
we have reached a point in time, where not the
military defend us against an enemy - who
after the fall of the iron curtain is self-created
by the export of billion-dollar-worth of armament,
No, we have to defend ourselves against the military
machine that robs the country of resources in
terms of material, environment and human
intelligence, dimly needed elsewhere.
I don't feel my life is saved by them but
threatened.

We ask this vicious circle to be broken.

It is one minute before midnight on the environmental
world clock. We can't afford any more waste and
ignorance. Our Mother Earth needs to be healed by
our joined efforts.

Ingrid

INGRID TILLMAN

PO Box 818

KILAUEA HI 96754

WR265

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I oppose STARS WARS DUE TO AN INADEQUATE EIS WHICH MADE IT EVIDENT A MISSILE BUNCH WOULD DEVASTATE KAUAI.

Thank you

Name Joni Riley

Address Box 1458, HANALEI

Street Address

City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallen)
P.O. Box 1500
Huntsville, Alabama 35807-3801

1

2-217

WR266

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

April 7, 1992

To whom it may concern:

I do not feel that the Draft EIS adequately addresses some of the potential damage that could affect our tourist-dependant island & economy.

This island is supposed to be a place for people to get away from ~~the very~~ this very type of activity.

I also feel this particular program is a waste of taxpayer's money. We could be doing more valuable work at PMRF.

Name Kathleen K. Pickett

Address P.O. Box 630 Kilauea Hi. 96754

Street Address

City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallen)
P.O. Box 1500
Huntsville, Alabama 35807-3801

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WR267

U.S. Army, Strategic Defense Command

April 7, 1992

Dear Sirs/Madam:

I am opposed to the Stars Program here on Kauai. I have included a verse of poetry to express my feelings on this matter.

"Ooo Baby, while we suck on those lies
Your blood soaked costume 'gonna light up the sky."

Sincerely,

Solville LaFete

P.O. Box 1607
Hanalei, HI 96714

2-218

WR268

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

To whom it may concern - Kilauea, CS-29-'92

This letter is written out of concern and not hatred, opposition, prejudice etc. I am not an American citizen and I feel strongly that the project 'Star Wars' is a global issue and not a national one. It's not Kauai alone that concerns me but the project as such wherever you would practice it. We teach and educate our children about truth, goodness, honesty, justice, gratitude, peace, taking care of our ourselves - ~~that~~ I can't continue to do so if I am not sure that such things like honesty, truth and justice will exist in the world, future. Star war is away from your eyes a project that looks as a defense ~~to defend~~ something. In my eyes it is preparing for supporting the idea of war. One little mistake ^{disturb the whole} ~~disturb~~ island of Kauai and would have major impacts on the life of the people.

Name SVENLIA FRERICH

Address P.O. BOX 1118, Kilauea, HI 96754
Street Address City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

Please provide the correct way to address the letter in order to ensure it is received.

WR269

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

*No: Star Wars program on Kauai, PMRF
Yes, but no missiles.*

1

2-219

Name *DICKIE LEWIS*

Address *2999 Kaoko St. Hanalei, Kauai 96754*

Street Address City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

WR270

April 8, 1992

Dear Mr. Gallien,

I support the 'No Action' alternative on your Draft E.I.S. I am strongly opposed to Star Wars testing on Kauai for the following reasons:

1. Our environment is our economy. One accident could have a devastating effect on our tourism and real estate revenues.
2. The effect on our ozone layer has not been properly addressed within your E.I.S. Brominated fluorocarbon, a by-product of launching missiles, has been shown to deplete the ozone in our atmosphere.
3. Nohili Dunes is a culturally significant area, inappropriate for use as a launching site.
4. I do not want my tax dollars to perpetrate human rights violations upon the people of Ebeye.

1

We understand that the employees of the Pacific Missile Range Facility have been threatened with the loss of their jobs if this program is not commenced. Please clarify this misconception immediately so that each P.M.R.F. employee may make a conscientious decision based on the true impact of the program, not under duress from fictitious threats.

2

Sincerely,

*Michele Kalani Davis
Registered Voter
PO Box 138
Hanalei, HI 96754*

WR271

April 8, 1992

Dear Mr. Gallien,

I support the 'No Action' alternative on your Draft E.I.S. I am strongly opposed to Star Wars testing on Kauai for the following reasons:

1. Our environment is our economy. One accident could have a devastating effect on our tourism and real estate revenues.
2. The effect on our ozone layer has not been properly addressed within your E.I.S. Brominated fluorocarbon, a by-product of launching missiles, has been shown to deplete the ozone in our atmosphere.
3. Nohill Dunes is a culturally significant area, inappropriate for use as a launching site.
4. I do not want my tax dollars to perpetrate human rights violations upon the people of Ebeye.

We understand that the employees of the Pacific Missile Range Facility have been threatened with the loss of their jobs if this program is not commenced. Please clarify this misconception immediately so that each P.M.R.F. employee may make a conscientious decision based on the true impact of the program, not under duress from fictitious threats.

Sincerely,

Beck Francisco
 P.O. Box 930
 Hanalei HI 96714

2-220

WR272

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

*No support P.R.M.F., But I don't really
 care for all those ~~missile~~ missile
 star wars. NO STAR WARS!*

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Name

Cyndi M. Pa

Address

2999 Keoke Rd, Kilauea KAUAI 96754

Street Address

City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
 Deputy Commander
 U.S. Army Strategic Defense Command
 Attention: CSSD-EN-V (D.R. Gallien)
 P.O. Box 1500
 Huntsville, Alabama 35807-3801

WR273

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I sincerely implore you,
that you folks reconsider the least like
ly accident and it's effects and even "by God
Guaranteed" promise of no traumatic effect by some
least expected "mistake"; well-actually just what
will be the effect upon the state of Hawaii
environmentally and socially--?? Please
write me in *reply* so that the anxieties and fear
and confusion many people feel they might soon be con-
tending with, if ~~the~~ S.T.S. program is actually to be
initiated- might "logically and Truthfully" be laid
to rest. And those fears- at least after two meeting nights
of discussion/debate- are still at large- within myself also.

Name James Friend / James E. Friend

Address P.O. Box 7952 Hanalei, HI 96714

Street Address

City/State/Zip Code

*URGENT:

Please Answer!
Mahele Nii Loa!

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

We shall continue
that with the base
there by continuing per
J.F. Friend

2-221

WR274

4/7/92

To whom it may concern:

I am a resident of Kauai
since 1982 and am adamantly
opposed to having Polaris
rockets/missiles tested on our
precious island. There are far
too many negative aspects
and possibilities that could
have devastating results.

NO ROCKETS!!!

Alvora S. Frank
P.O. Box 1601
Hanalei, HI 96714

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WR276

April 9/92

To Whom This May Concern,

I am writing this letter to let you know some of my feelings with regard to the STARS program. I do not support this program, however I do support PMRF. I feel this is a very dangerous program + should not be happening on Kauai. I do not feel that the people who work for PMRF should lose there jobs. I am sure there are other positive programs to which these people could be re-directed.

Eleanor Darrell
Box 1186
Hanalei, Hawaii
96714

2-223

WR277

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

To: Sen Inoué & Randy Gallien 4792

As a resident of Kauai I am opposed to the testing "Star Wars".

Although I do support PMRF I most certainly do not believe the Star Wars program is in the best interest of this Island - - - or any other for that matter - Why waste our tax dollars on "old equipment" - We are dependent on Tourist Dollars and this would hardly be an attractive Draw. - I also believe that anyone that wants this program here should be forced to live here with their children. - you included.

Name Catherine & Brysme Nishimoto
Address P.O. Box 501 / Hanalei Puv. Hb. Pl. Hanalei HI 96714

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

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WR278

4/4/92

Dear President Bush,

I am a Physician Assistant on Kawai and have dedicated myself to the health and wellbeing of all who live here. Having missiles launched from this small island seems directly in opposition to this goal. Please do what you can to support no missiles here. We are proud to have the Pacific Missile Range Facility here but do not feel missiles are appropriate. Also - please support a world park in Antarctica!

Yours truly,

Sally Jo Moore
 Box 713
 Hanalei, HI 96714

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2-224

WR279

Written Comment Sheet

**Strategic Target System
 Draft Environmental Impact Statement**

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

On March 24 I attended the hearings on the draft EIS.

What a disappointment! I feel that the Draft fell so short of addressing the numerous dangers that the STARS project can bring. Please look closely at those supportive letters of the supporters of this Draft: they are all employees of the base! We need you to understand that this little island was not and is not made for Missiles. Our island is financially supported by the tourist industry - Having missiles launched here, do you really think that people will still want to come here to spend their vacation? There is so many other places where they could go!!

I urge you please to consider all our comments before making any further decision. Leonie Sabancourt

Name Leonie Sabancourt

Address 6383 Makana Rd. Kapaa - HI 96746

Street Address

City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
 Deputy Commander
 U.S. Army Strategic Defense Command
 Attention: CSSD-EN-V (D.R. Gallien)
 P.O. Box 1500
 Huntsville, Alabama 35807-3801

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WR280

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

First of all, the Draft EIS fell way short of addressing the possible irreparable, immeasurable danger to plant, animal & human life on Kauai, not to mention the ozone layer of the planet. The presence of STAR wars on this island could do irreverable damage to a very fragile ecosystem and damage the basis of our economy which is tourism. Kauai is known as the Garden Island, not the missile island.

At the hearing, the opposition to STAR wars was far outnumbered those in favor by at least 3-1. Those in favor are afraid of losing a job. Those against are afraid of losing a precious Island.

Name PATRICE MORRIS

Address 6383 MAKANA KAPAA HI 96746

Street Address

City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

2-225

WR281

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I oppose the STARS program on Kauai Hawaii. These islands are too small and fragile to accomodate a missile range that could have a chance of endangering the environment... Even if the E.I.S. concludes that STARS can be safe - there is always a possibility of an accident and Kauai can not afford even a small accident.

I oppose the STARS program anywhere. We have enough money going to defense and I propose this money go into feeding and sheltering our starving and homeless children and for AIDS research - lots be read humans that care for humans!

Name Jesse Spinter

Address 6383 Makana Kapaa HI 96746

Street Address

City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

Dear Sen. Inouye & Mr. Collins,

My husband, daughter and
myself live on the
island of Kauai.

I have been to the
hearing on Star Wars and
wish to speak my truth
as well. I strongly
oppose the Star Wars program
on this island. I feel
that we the people who
live on this remote
island have the right
to choose, as a democracy
whether we want such a
program to exist or not.
I support PURF and
am sure that this issue

1

has torn our community
apart & that the members
at PURF must be fearful
of their positions due to
the Star Wars program.

I am grateful on the other
hand to see the open forum
& ~~see~~ public interaction with
the government that was
created in response to
this urgent situation.

Thank you,
Michelle O'Hearn

Michelle O'Hearn
1384 Kohio Hwy
Kapaa HI 96746

SENATOR Inouye & APRIL 8 1992
MR. GALLIEN.

I Brandon W. Keener I am
Not For STAR WARS PRO. ON
this Island, ^{OR ANY ISLAND} BUT FOR PMRF
Because of possible Accidents
why can't you test on ship
AT SEA OR ON SMALL DESERTED
Island. This is A SACRED
Island. Please test your
missile AT SEA AWAY FROM OUR
CITIZENS DANGER, ON A BARGE
maybe. I've seen 500 missiles
explode & shower DOWN OVER THE SEA
I wouldn't WANT THAT ON MY HOUSE
CARE MORE ABOUT FELLOW HUMAN
SPECIALLY 40 Royal OR. KAPAA HAWAII KAWAII
Brandon W. Keener

1

2-227

To Senator Inouye and Mr. Gallien:
To Whom it Will Concern, 4-8-92

I strongly oppose the
idea of the STAR WARS
program on KAUAI!!
It is completely inappropriate
for this island for many
reasons. As a member of
this community, a supporter
of PMRF, and a United
States citizen I urge you
to put a stop to this idea &
STAR WARS program here.

Thank You.
Heidi Rhodes
137 Kiowai Pl.
Kapaa HI 96746
Heidi Rhodes

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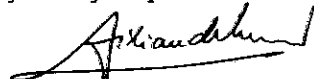
WR285

Written Comment Sheet
Strategic Target System
Draft Environmental Impact Statement

Mr. Henry Cooper
Strategic Defense Initiative

4.2.92

Dear Mr. Cooper,
it is a pity that you were not present at the hearings on the Draft EIS, not only to answer our questions but also to feel what was really happening - a vital experience that you won't be able to have just by reading our words from your desk. Seeing all these hundreds of comments, you are probably making lists of FOR and AGAINST. But it is not as simple as that. I was there both evenings, and I saw something very frightening: if you could look closer at the letters supporting STARS, you would find something in common - they were all written by people who have direct or indirect ties to the PMRF. They were all written out of fear: it was not necessarily approval of the STARS program but fear of losing their jobs or losing some lucrative business related to this project. On the other side - the whole rest of the island. Not only all the residents who love Kauai for what it is, and want to protect their precious Garden Island, but also all the visitors who keep dreaming of returning here to enjoy the peace and the magnificent manifestation of Nature that Kauai offers them. Each opponent to the project had his/her special reason for their disapproval, but we all have one special point in common, and that is the willingness to save the spirit and the essence of Kauai, too precious to be threatened by this project. Mr. Cooper, you must be looking at Kauai as a good located site for launching missiles. Please think that it is our beautiful GARDEN ISLAND, a place of peace and magic, of nature expressing itself in all its magnificence, and we, the absolute majority, want to keep it so, without your Strategic Target System. Mahalo.



Lilian de Mello
6383 Makana Road
Kapaa - HI 96746

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2-228

WR286

North Country Farms
P.O. Box 723
Kilauea, Kauai, HI. 96754

April 2, 1992

TO: Senator Inouye
and
Deputy Commander
U.S. Army Strategic Defense
D.R. Gallien

Dear Sirs:

As a Mother and Businesswoman on Kauai's North Shore, I must express my strong feelings on the current "STARS" issue.

I surely support my fellow islanders working so hard at PMRF, but I am unable to do the same for the proposed rocket launches from that site.

I am not convinced, even after reading the EIS, that these launches would have no effect on our environment.

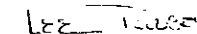
I am not convinced that this "defense" system is needed at all.

I am not convinced that the Hawaiian lands aren't in danger of being further infringed upon.

I am convinced that Kauai is one of the most beautiful and unpolluted places on this planet, and for this reason we have chosen to move here and raise our precious family. We do not want or need your program on Kauai.

Mahalo for hearing us.

Sincerely,



Lee Roversi

1

WR287

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

Yes, we are under attack and need to defend ourselves. But the enemy is not the Russians, not the Middle East, not South Africa, etc., etc. The enemy is within. Our quality of life here in Hawaii is under attack. The cause—the STARS system. We have heard how the propellant further depletes the already existing hole in the ozone. How it is life threatening to wildlife within the lift off and landing areas. How it is trespassing compromising sacred Hawaiian lands. How it involves transporting volatile liquid fuels, dumping of toxic chemicals into the atmosphere, including known carcinogens and toxics associated with Alzheimers disease.

And then we are told that these are small prices to pay in order to keep our missile range alive and well. It seems appropriate and necessary

to look at this decision as one of National Security: which means protecting this country and its people from anything threatening our economic well-being, our environment, natural resources, and the quality of life. The STARS program is threatening to us on many levels.

It is imperative that it does not proceed. And as part of this decision it becomes necessary to allay the fears of the people employed at the missile range. Diverting funds from this program into healthy programs supportive to the people whose jobs are threatened. Let us bring back peace and aloha to the hearts of this Island and remove the cause of separation. Remove STARS so that we may begin healing the rift it has created.

Name T. Schield

Address P.O. Box 674 Kilauea, HI. 96754

Street Address

City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

2-229

WR288

April 4, 1992
Kapaa, Hawaii

Dear Honorable Senator Inouye and Mr. Randy Gallion,

Please include me as one of many concerned citizens who objects to the proposed STARS project. I believe that the purposes of the project, including the economic argument in terms of jobs for PMR employees, can never justify the detrimental effects that the project may have on our environment.

I humbly urge you to voice our objections and concerns.

Sincerely Yours,
Bernice Hiraoka
Bernice Hiraoka
Robert Y. Lush
1761 Mauna Ikaea St
Kapaa HI 96746

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WR289

P.O. Box 887
Koloa, HI 96756

MEMORANDUM

TO: Senator Daniel K. Inouye
Commander D. Randy Gallien

SUBJECT: Strategic Target System (STARS) on Kauai

The STARS project at Pacific Missile Range Facility (PMRF) at Mana must be stopped! Please do everything you can to stop the project.

This is a personal statement, but I know that hundreds -- in fact, thousands -- of residents on Kauai oppose the project, but they are not taking the opportunity to express their opposition because they believe that the issue has been decided, and that the hearings, public pronouncements, letter writings, telephonings, etc. are all exercises in futility.

I hope that they are wrong because at issue here is the future of Kauai. The STARS launches will affect the land and the people, Kauai's best resources -- the resources on which the economy of the island depends.

First, the amount of freon that the STARS launches will generate into the atmosphere will deplete the ozone layer, thus endangering plant and animal life, particularly human life. Second, Hawaiian Home Lands, including archaeological sites, will be affected to the point of desecration. Third, the STARS project will have an emotional and a psychological impact on the people of Kauai.

Opposition to the STARS launches and fear of potential hazards and potential mishaps will not go away, and Kauai will have a resentful population, not a people with aloha.

Please do the right thing: Stop the STARS project at PMRF to ensure the preservation of the Garden Island, which 51,600+ people call "home."

Sincerely,

Catherine Lo

Catherine Lo

2-230

WR290

Written Comment Sheet

Felicia Cowden
P.O. Box 493
Hanalei, HI 96714

Strategic Target System
Draft Environmental Impact Statement

4-7-92

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

Dear Randy Gallien and Senator Inouye,
I am opposed to the SDE installations for the following reasons: • the benefits do not outweigh the costs to our ozone depletion problem. • The EIS doesn't provide adequate analysis of the impact on our water supply, i.e. the half lives of the chemicals; if they react with soil; what will be the effects on health if they are consumed. • The EIS does not state the emissions impact on the water catchment systems of Niihau. • Under consideration is given to the impact on tourism. • Adverse affect on the indigenous people of Kuaikalein.

While I am not opposed to the PMRF I do not believe this program (SDE) is in our best interest locally, nationally or globally.

Name Felicia Cowden
Address P.O. Box 493 Hanalei, HI 96714

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

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April 8, 1992

Dear Senator Inouye,

I support the 'No Action' alternative on the Draft E.I.S. of the U. S. Army concerning the firing of missiles from the Pacific Missile Range Facility on Kauai. I am strongly opposed to Star Wars testing on Kauai for the following reasons:

- 1. Our environment is our economy. One accident could have a devastating effect on our tourism and real estate revenues.
- 2. The effect on our ozone layer has not been properly addressed within your E.I.S. Brominated fluorocarbon, a by-product of launching missiles, has been shown to deplete the ozone in our atmosphere.
- 3. Nohili Dunes is a culturally significant area, inappropriate for use as a launching site.
- 4. I do not want my tax dollars to perpetrate human rights violations upon the people of Ebeye.

We understand that the employees of the Pacific Missile Range Facility have been threatened with the loss of their jobs if this program is not commenced. We have written to the U.S. Army requesting that the authorities please clarify this misconception immediately so that each P.M.R.F. employee may make a conscientious decision based on the true impact of the program, not under duress from fictitious threats.

Sincerely,

Patricia Palmer
P.O. Box 238
Hanalei HI 96714

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2-231

4/3/92

To Senator Inouye
and Mr. Gallien,

Please allow the
island of Kauai to
decide its own fate
on the STARS issue.

No unelected official
should be granted the
power to decide such
a crucial point.

Let the people of Kauai
vote on this issue on
referendum in November.

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I feel convinced
that democracy will
send a clear message.

NO MISSILES
ON KAUAI

Thanks
Jim Star
P.O. Box 959
Kilauea, HI
96754

2-232

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

WAY DO WE HAVE TO KILL
EACH OTHER
SPEND THE BUDGET ON
WELFARE!

1

Name MARK PEARSON
Address PO 1751 HAWALEI HI 96714
Street Address City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801



Sheraton Kauai Hotel
The hospitality people of **HI**

Dear Sen. Inouye and
Mr. Gallien—
What one can assume through the
USA's recent glorious Military history,
That the USA has had all the practice
it needs in the art of war. Simple blowing
up a tiny pacific Island paradise for the
last 30 yrs does not measure up to the lessons
learned during the ~~World~~ War games performed to Americas
Muse everyday on CNN. Its apparent that
once again our government is propagandizing
to its constituents to believe in the economic
Pipe Dream. Some how there are people on
our Island that think the future of
their economic ~~success~~ success is depended on
the success of the ~~Star~~ S.T.A.R.S program
personally I see an end in sight for all
P.M.R.F. operations unless they're taught to
do something more productive than blowing
up tiny majestic Coral communities throughout
the world Please do not have these missiles
on KAUAI
Sincerely Yours *Spring Rogers*

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4332 Anonui St
Lihue HI 96766

April 5, 1992

Dear Senator Inouye and Mr Gallien,

At a time in our nation's history when we are at peace
and with an ailing economy, I would like to see as many
anti-peace programs such as STARS cut from the budget as
possible.

Instead, let's promote programs which heal instead of
destroying our environment for future generations. The
earth is a small place with fragile ecosystems.

Sincerely,

Glenn
Glenn Katahara

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WR296

092 APR 20 AM 5 59

April 7, 1992

Dear Senator Inouye,

Although I have only lived on
 Kauai for two years, the STAR
 WARS issue is important to me
 and I would like to include
 my opinion. I am against
 using this beautiful island for
 a launch site. I would like
 to see the military resources,
 which as you know are vast, channeled
 into areas where much is needed
 both in finances and manpower.
 Some of these areas are education, and
 cleaning up the environment.
 We must all learn to work together,
 globally to improve our ways of
 life. Thank you.

Sincerely,
 Alfred J. Petrich

ALFRED J. PETRICH
 P.O. BOX 79
 AWAHOLA, HAWAII 96703

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WR297

Written Comment Sheet

**Strategic Target System
 Draft Environmental Impact Statement**

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

My concerns are that the EIS names too
 many ~~of the impacts~~ ^{of the impacts} as "unavoidable." I don't
 think the launch site is a large enough
 on this small island. The impact on our island
 economy will be very significant. I think a
 one accident or spill of fuel, while the rest of
 nation and the world are looking for some
 elements, we cannot be spending money
 ways to release the tax dollars into the state.
 Also we cannot be dropping money at
 the ocean. More needs to be said about the impact
 of these launches on the Starbuck's

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Name MARION L. MORA

Address P.O. Box 606 Kaunoihi, HI 96701

Street Address

City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
 Deputy Commander
 U.S. Army Strategic Defense Command
 Attention: CSSD-EN-V (D.R. Gallien)
 P.O. Box 1500
 Huntsville, Alabama 35807-3801

2-234

4/10/92

TO WHOM MAY CONCERN.
I support PMRF

NOT STAR WARS

Sincere,

Nicole A. Bailey
Nicole A. Bailey
P.O. Box 738,
Kilauea H., 96754
(808)-828-1337

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2-235

1992 APR 20 AM 9:59

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I concur with U.S. Representative Patsy Mink's assessment and feel that many valid points were raised in her testimony. Among them the summary dismissal of many issues as "small risk", "unlikely", "all precautions will be taken", "insignificant", "no impacts anticipated", and "very little hazard". Such comments beg a quantifiable explanation and does not alleviate my concerns. Little attention has been paid to alternative actions or alternative plans, implying that it is the US Army's way or the "No action alternative". We are left with an all or nothing proposition. The land ^{scapes or seascapes} upon which PMRF rests is not ~~and~~ ~~not~~ to be sculptured or defaced in the name of national security. Nor should we tamper with the delicate social and spiritual fabric of the community, until we have weighed, very seriously, the potential outcome.

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Name Gerald M. Hirata

Address P.O. Box 565 Hanapepe, HI 96716
Street Address City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

WR300

4-5-92

To Wilson at Bay Center

I support MIT that I
don't support the wars

Rosemary Wain

ROSEMARY WAIN
P.O. Box 969
Kapaa, KAWAII, HAWAII 96746
(808) 826-6286

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2-236

WR301

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

The EIS leaves unanswered questions on the safety of STARS. My biggest environmental (4 economic) concerns are the potential for a disastrous incident & the great potential for separation of the ozone layer. The transport of rocket fuel to a defense facility highway is also of concern.

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But, there is an even larger issue. The STARS program flies in the face of the Hawaiian culture. It totally contradicts the spirit of the land, the spirit of aloha, the 'ohana spirit that can not be measured. I've lived in Hawaii just 6 1/2 years and I know the feel - that spirit. It's especially true in Kauai (Kauai since she is relatively unspoiled compared to Oahu & Maui). STARS does not belong here.

Name Marilyn Axtell

Address P.O. Box 3816 Lihue, HI 96756
Street Address City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

Written Comment Sheet

Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I attended the public hearing on Kaula listening objectively to the proceedings and the verbal testimony of various people. I did my voice to those who find the DEIS unacceptable. Indeed, I find the entire SDI program highly questionable...it views Iraq as a major threat. Knowledgeable scientists and others who are/were intimately acquainted with the development of the program.

The DEIS does not, indeed cannot, address the intangibles that constitute the island of Kaula that so many of us love and which is a tourist mecca for countless others. If you choose to forge ahead with this highly dubious project, you destroy more than our land. A part of the spirit of Kaula dies as well.

Have you personally ever experienced this particular piece of real estate that is unique in so many ways? Have you walked the beautiful beaches the SDARS project would ultimately contaminate in some way? Have you seen the playful tortoise crawling in the indescribably beautiful waters that Kaula fronts? Have you had any personal contact with the native Hawaiians whose ancestors are buried in the same soil in the missile trajectory path of the SDARS project? Can you not relate to their dismay at this desecration? Dwight Eisenhower, a great military man, was a visionary for peace when he said the following: "Every gun that is made, every warship launched, every rocket fired signifies...a theft from those who hunger and are not fed, those who are cold and are not clothed. This world is not spending money alone. It is spending the sweat of its laborers, the minds of its scientists, the hope of its children."

In very recent times, Oscar Arias...winner of the 1987 Nobel Peace Prize said: "It is time that we redefine global security...security of land has dominated our concern for too long. It is security for people

Name Martha L. Douitt

Address 6422 Pulape St., Kaysa, HI 96746
Street Address City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

that is even more vital...this means food, employment and ecological security. I call this concept "lasting security."

I pray you are a man of vision...a vision that sees peace in the world pursued by constructive means rather than down a destructive path. Thank you.

Martha L. Douitt

WR303

4-10-92

TO D.R. GALLIEN:

I AM OPPOSED TO ANY NEW
LAUNCHES PLANNED FOR THE ISLAND
OF KAUAI.

ANY ACCIDENT COULD TURN INTO
A DISASTER. OUR ENVIRONMENT IS
AT STAKE.

WE DON'T NEED THIS HERE.
THANK YOU.

SINCERELY,

Francisco Sadumiano

FRANCISCO SADUMIANO

P.O. BOX 52
HANAMAULU, HI
96715

2-238

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WR304



SAFETY MANAGEMENT SERVICES

DURKIN & ASSOCIATES
PO Box 3626
LIHUE, HAWAII 96766

Deputy Commander
U.S. Army Strategic Defense Command
CSSD-EN-V (D.R. Gallien)
PO Box 1500
Huntsville, AL 35807-3801

RE: SDI Launches on the Island of Kauai

Dear Sirs;

13 April 1992

This is to formally OPPOSE the launching of missiles, rockets, or other weapons that are related to the Strategic Defense Initiative (SDI) proposed for the island of Kauai.

The DEIS filed by your organization is clearly lacking in its assessment(s), specifically those relating to safety. This includes safety of the island population, marine resources, and economic health.

We are in support of the Pacific Missile Range Facility, but not if will require involvement in the SDI program to survive.

As I prepare to send in my tax dollars, I find it difficult to feel good about where the money will be spent. We can spend billions on defense, much of it wasted, yet we cannot repair our environment or provide a roof over the head of all of our citizens. And if I were to conduct my business in the same manner as that of the Federal government, I would be bankrupt, disgraced before my peers, and quite possibly thrown in jail.

The SDI project does not make sense for our civilization and its deteriorating environment. The SDI project will only be fruitful for a few defense contractors, the Dept. of Defense budget, and some high ranking politicians.

Much like the French have finally given in to protests of its nuclear testing in the Pacific, the U.S. Army will eventually cave in to protests of SDI on Kauai. Our numbers are small, but we are an intelligent populace who will be persistent in its opposition to Star Wars.

Thank you for your consideration on this matter.

Respectfully Submitted,

Patrick L. Durkin

Patrick L. Durkin
Safety Educator & Consultant

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WR306

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

"THIS PROJECT MUST BE STOPPED"

I am sending this note to prevent any further appropriations or development for the Star Wars testing launches from the island of Kauai

Continuing these military efforts destabilizes the cultural continuity, psychological (and physical) safety and contradicts the wishes of the people of not only this incredible island but the people who frequent its shore. PLEASE STOP.

Name LAUREL ANDRES
Address 2901 Sandy Lane Santa Cruz CA 95062

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

2-239

WR306

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

With the demise of the USSR, MAD (Mutual Assured Destruction) is no longer needed (it never was) as a part of our national defense.

An adequate defense against a few missiles from an international madman can be achieved via a limited number of satellite-coordinated, ground based ABM's (anti-ballistic missiles). We must stop ludicrous and extremely excessive defense expenditures. This money should, instead be spent on an endeavor that will truly result in increased security for America and other developed countries of the world: a generous, multinational effort to quickly reverse, through a variety of approaches, the world's burgeoning population growth and to expand programs aimed at helping underdeveloped countries to feed & house their people. Only when the "have not" nations have more will we be truly secure.

Name GREG L. BLACK
Address 3120 Kakaia Pl Honolulu HI 96822

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

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WR307

Written Comment Sheet

4/12/92

Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

We have many pressing national needs to which money currently used for "defense" should be spent. Paramount among these are education & infrastructure improvements. Defense workers displaced by a reallocation of federal funds could be retained & absorbed in the infrastructure improvement effort.

A local factor that would cause an adverse environmental impact from STARS launches is that by midmorning the prevailing trade's descend and reverse direction, blowing onshore in a westerly direction which would blow any exhaust from launches right into Polihale State Park impacting park users. If launches were made at night to avoid this problem from the winds, the tranquility for the park's night users would be ruined.

Stop excessive & burdensome defense expenses that detract from important personal (and ultimately national security) uses and, along the way, allow us to preserve our very special Hawaii for all to enjoy!

Street Address

City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

Sincerely,
Dany's Child

2-240

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WR308

Celebration of 150th Anniversary of Public Education in Hawaii

1990-1991

"On Wings of Discovery"

Ka Ho'ike Ma' Ikena

April 5, 1992

To: Mr. Randy Gallien

From: M M Jones

2811 Kapena St.
Lihue, HI. 96766

Re: Missile testing on Kauai

I am strongly opposed to the proposed Star Wars project on Kauai or anywhere else in Hawaii because of the potential danger, the ecological damage, the total uselessness of the project, and the wanton waste of taxpayers money. The whole mess is stupid!

Department of Education - Kauai District

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WR309

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I do not want this system located on Kawai or any place else. Let's find an alternative to nuclear energy period. And let's find alternatives to violence too.

Francis Fitzgerald

Name _____

Address _____

Street Address

City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

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2-241

WR310

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I am so upset by the idea of missiles on this beautiful island of Kawai. My husband and I have just given up all our attachments back home in Massachusetts and are moving to Kawai to live. It is so disturbing to me & my family to have missiles shot on this island. Thank you for hearing my plea.

Name Baryana Seale

Address North Shore Properties Honolulu, Hi.

Street Address

City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

Box 607
96714

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WR311

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

Please, don't come and shoot missiles
on Kauai, Kauai and the Marshall Islands,
(where the missiles would be hitting) are
very special places to many people.
Please think about what I'm saying.

This land doesn't belong
to us, we're borrowing it
from our children.

I want to grow up not
know up! Kauai is unique,
let's keep it that way
Tulona Shanda (11 years old)

Name Tulona Shanda
Address 1473 Kapaemahu Pl.
Street Address City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

2-242

WR312

My name is A.Z. I work with Allied Whale, an international cetacean
research group. I am presently on Kauai working in affiliation with the
humpback whale research group here. Some of the data from this project was
presented earlier tonight. I'd like to take this opportunity to point out
some inadequacies & omissions of pertinent data in the EIS statement
regarding endangered marine mammal species.
An important issue that has not been addressed is the lack of any mention
of potential effects on humpback whale mother/calf pairs. Recent research
has demonstrated that mother/calf pairs are especially susceptible to
human-related disturbance. Since MC pairs prefer very near-shore, shallow
water, usually less than 10 fathoms, it would seem very likely that disturbance
related to STARS could negatively impact this vulnerable group. Our research
concerns w/ sightings of MC pairs will insure that, our data shows
that over 1/2 of MC pairs sighted have been in the PMRF area.
Examples of impact include effects from boat activity related to
clearing the nearby safety zone + transport of fuels + related chemicals
via boat + for landing craft.
Arising from 1st hand experience, I have concern about the lack of awareness
on the part of the military w/ regard to federal laws + regulations
involving marine mammals.

Our study site extends from Makua Pt to Itabaka Ridge. ^{from} 1991 + 1992,
our data gives 644 sightings of whales over this area. 388, or greater than
1/2 have been in the PMRF area, even though we spent less than 1/2
of our time surveying in the PMRF area. In other words, there is a
greater concentration of whales in the stated impact zone. Essentially, if
the army maintains its proposed mitigation to delay launches

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when whales are sighted, and I quote from Section 4.4.3 of the EIS
 "Prior to launch, the US Navy will survey the 1st stage impact areas
 and the launch safety zone. Any whale or sensitive species observed in this
 area will cause the launch to be delayed."
 - this means that there would be no launches possible in the months
 of Dec - April.

I have ~~concern~~ ^{regarding} what manner the army intends to follow through with
 promise to survey the area for whales

I have concern about the impacts to other marine mammals which we
 know rely heavily in the area around KTF/PURF. Bottlenose dolphins, spinner
 dolphins + spotted dolphins, all federally protected under the MMP protection act, are
 frequently sighted in the area. We can supply data on these sightings. These species
 were not even ~~mentioned~~ mentioned in the EIS statement

Considering the inadequacies + misrepresentations in the draft, the omissions,
 and the preponderance of unsupported biological conclusions stating
 "no significant impact or no adverse effects" on sensitive species in
 this area, I stand against stars + for the no action alternative.

Olson M Zedler
 207 288-3050 (phone #)

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CRITIQUE

OF

DRAFT ENVIRONMENTAL IMPACT STATEMENT FOR THE STRATEGIC
 TARGET SYSTEM
 (February 1992)

Presented
 by
 The Nohi Coalition
 (April 1992)

Aboriginal Native Hawaiian Association
 Hui Ho'omalua I Ka 'Aina
 Ili Noho Kai O Anahola
 Ka Lahui Hawai'i - Kaua'i
 E Maka'ala Kakou
 Protect Kaho'olawe 'Ohana
 Pele Defense Fund
 Ka 'Ohana O KaLae
 and
 Independent Kaua'i and Ni'ihau Hawaiians

Summary

As drafted, the Environmental Impact Statement for the Strategic Target System (STARS) prepared by the U.S. Army Strategic Defense Command does not conform to the National Environmental Protection Act. There are numerous deficiencies, particularly with regard to the impact upon Native Hawaiian subsistence, cultural, and religious customs, beliefs, and practices and ancestral land base, as identified below. It is our contention that a new draft must be prepared for public review and comment as this statement is grossly inadequate. We also contend that the reports which form the basis for the conclusions reached in the document should be made available for public scrutiny. In particular, our group would like to receive copies of the cultural resources report written by Flores and Kaohi.

(1) Native Hawaiian Rights

A special briefing was provided to the drafters of the EIS on the potential impact of STARS upon Native Hawaiian cultural, subsistence, and religious customs, beliefs, and practices and upon sovereign Hawaiian claims to the ceded public lands and Hawaiian Home lands in Kekaha. None of the concerns identified and described in that briefing are addressed in the draft EIS, except to be listed in the summary of scoping issues. We remind you that NEPA policy states that is a responsibility of the Federal Government to "preserve important historic, cultural, and natural aspects of our national heritage, and maintain, wherever possible, an environment which supports diversity and variety of individual choice." (42:4331 (b) (4)). The draft EIS is severely deficient in assessing the impact of the proposed project upon Native Hawaiian cultural customs, beliefs, and practices in the ahupua'a of Waimea, Kaua'i.

In order to protect the indigenous Hawaiian culture for future generations, the Hawai'i State Constitution and the Hawai'i Revised Statutes reaffirm the state's responsibility to protect Hawaiian rights. Infringements upon these rights are illegal. The following are applicable sections of the law.

Article XII of the Hawai'i State Constitution deals with Hawaiian Affairs. Section 7 states, The State reaffirms and shall protect all rights, customarily and traditionally exercised for subsistence, cultural and religious purposes and possessed by ahupua'a tenants who are descendants of native Hawaiians who inhabited the Hawaiian Islands prior to 1778, subject to the right of the State to regulate such rights."

The Hawai'i Revised Statutes, Chapter 7-1 defines rights of the people which were established in 1850 when Kuleana Act granted private property parcels to the common people. It reads as follows:

Where the landlords have obtained, or may hereafter obtain, allodial titles to their lands, the people on each of their lands shall not be deprived of the right to take firewood, house-timber, aho cord, thatch, or ki leaf, from the land on which they live, for their own private use, but they shall not have a right to take such articles to sell for profit. The people shall also have a right to drinking water, and running water, and the right of way. The springs of water, running water, and roads shall be free to all, on all lands granted in fee simple; provided that this shall not be applicable to wells and watercourses, which individuals have made for their own use.

Chapter 174C - 101 of the Hawai'i Revised Statutes deals with conservation and resources. Part (c) reads as follows:

(c) Traditional and customary rights of ahupua'a tenants who are descendants of native Hawaiians who inhabited the Hawaiian Islands prior to 1778 shall not be abridged or denied by this chapter. Such traditional and customary rights shall include, but not be limited to, the cultivation or propagation of taro on one's own kuleana and the gathering of hihiwai, opae, o'opu, limu, thatch, ti leaf, aho cord, and medicinal plants for subsistence, cultural and religious purposes.

(2) Water Resources

The EIS, as drafted, fails to indicate how much water will be consumed for the operation of STARS; if larger water lines will be required; where the water will come from; who owns the rights to that water; and to assess the impact upon Hawaiian appurtenant rights. The source of the water would be the Koke'e, Kekaha and Waimea ditch systems which are located on Hawaiian Home Lands and ceded public lands. Increased use of the water would negatively impact on Native Hawaiian utilization of the water for settlement on Hawaiian Home Lands and upon utilization of the ceded public lands. The Hawai'i Water Plan states that the Kekaha aquifer is sensitive to overpumping and that it is currently overpumped. The State Commission on Water Resource Management recently contracted a study of water shortages in the Kekaha area. However, the study is limited in scope, and no action is being contemplated to relieve the stress influenced on the aquifer by overpumping. Increased use of water by PMRF for STARS would exacerbate the overpumping of the aquifer.

The report is also deficient in assessing the impact of drainage of water utilized in the project on the dunes and upon the offshore ocean.

(3) Native Plant Species

A. The impact statement fails to note the presence of species of the following native plants: a'ali'i, alena, 'aki'aki, 'akoko, 'akulikuli, hi'aloa, hinahina kahakai, huna kai, 'iilima, kauna'oa, mau'u 'aki'aki, naupaka, pohinahina, pohuehue, and pa'u o hi'iaka. It only mentions the presence of puapua moa (adder's tongue) and 'ohai. While these plants are not on the

Hawai'i state endangered list because varieties of these plants occur elsewhere, the varieties on Kaua'i are unique and diminishing. In addition, most of the plants that are not mentioned in the impact statement have medicinal qualities which have not been identified. The extent to which these plants are gathered for medicinal uses by Native Hawaiians of the district was not surveyed. The impact of developing STARS in their ecosystem is not assessed. The impact of limited access for the gathering of these plants was not assessed.

In 1991, the Hawai'i State Department of Land and Natural Resources, the U.S. Fish and Wildlife Service, and The Nature Conservancy of Hawai'i issued a report on the status of Hawai'i's natural heritage called "Hawai'i's Extinction Crisis: A Call to Action." It reported that as of September 1, 1991, 18% of the U.S. Endangered Species list are Hawaiian species. The last remnants of Hawaiian coastal plant communities are on the most remote and arid shores and 90% of the lowland plains once forested by sandalwood and other unique dry forests, have been destroyed. Mana, particularly the Nohili Dune, on Kaua'i is one of the remote areas for Hawaiian coastal plant communities. In light of these conditions, protection of the habitat for the coastal native plants at Mana is a major concern.

B. The assessment of native plants did not include a listing of any seaweeds; a survey of the extent to which they are gathered in the project area for subsistence, cultural, religious, or medicinal uses; nor the impact of STARS on the growth of these seaweeds and availability for gathering by Native Hawaiians for traditional and customary uses.

C. The report acknowledges that the County of Kaua'i has designated the dune area on PMRF as ecologically important, with a well-developed native strand community. It also acknowledges that the State of Hawai'i has designated the sand dunes as a sensitive habitat. Nevertheless the report asserts that the dunes will not be impacted. However, it does not cite any authoritative source or studies to confirm that assertion.

(4) Native Fauna

The report just discusses the impact of STARS on selected endangered birds, humpback whales, the Hawaiian Monk Seal, the green sea turtle, and the Hawaiian hoary bat. It does not provide any information or inventory of types of fish and marine life gathered and caught on the reefs and in the offshore waters. The extent to which the community relies upon the fish and other marine life for subsistence, cultural and religious purposes; and the impact that STARS will have on fishing is not addressed.

The primary fishing season (April through September) coincides with the nesting season for the endangered green sea turtle (May through August), protected under the Endangered Species Act. The season also roughly coincides with the breeding season for the Newell's Shearwater (April to November).

In the Caribbean, the U.S. Navy does not bomb Culebra during the nesting season of the locally endangered species of turtle. Perhaps no launches should be scheduled from April through September/November to avoid negative impacts on subsistence fishing and gathering and upon the life cycles of the green sea turtle and Newell's Shearwater.

The draft report acknowledges that the drainage canals on PMRF are potentially important waterbird habitats, that the Mana base pond adjacent to PMRF is also a wildlife/bird sanctuary, and that the Kawaiele Wildlife Sanctuary is located about 4 miles south of the launch facility. It asserts that these areas would not be affected by construction or launch activities. However, no authoritative source or study is cited to support this assertion.

(5) Native Hawaiian Subsistence Fishing

The executive orders which designated the lands for use by the military guaranteed that access to the shore for the purpose of fishing would be guaranteed, except on portions used for bombing and that only while the activities are actually in progress or about to commence. In Kekaha-Waimea, 90 percent of the local Hawaiian community fish off of PMRF from April to September. The ocean is too rough to fish from October through March. This natural cycle affords an seasonal abundance of fish in pristine waters. It is likely that the prime time for fishing from April to September will coincide with the prime time for missile launches. If the majority of the 56 days of closure fall within April to September the impact will be substantial and very significant. Access to the shore would be prohibited during the ideal time for fishing, effectively denying access for fishing.

If subsistence fishing is disrupted, the lifestyle of 90 percent of the local Hawaiians who fish off of PMRF will be negatively impacted. This will precipitate a chain of negative impacts experienced for the families and community of Kekaha/Waimea. The 'ohana system of exchange and sharing of foods caught and gathered would be disrupted. The diet of the families will worsen. The standard of living will be negatively impacted by the increased cost of purchasing food, due to the lack of fish, seaweed, and other marine foods which are part of the regular diet from April through September. The inability to fish and gather marine foods regularly relied upon may impair the ability of the 'ohana (extended family) to celebrate life cycle events - baby lu'au, weddings or birthdays.

(6) Impacts Upon Cultural Sites and Use Areas

The draft EIS is not in compliance with the National Historic Preservation Act, particularly since no determination on the sites in the project area was made. Under the National Historic Preservation Act, the U.S. Navy is required to nominate eligible sites to the National Register of Historic Places. In addition, the U.S. Navy should be required to develop a cultural resource management plan to assure that Native Hawaiian use if the historic and cultural sites are assured and that uses in the area would not negatively impact the historic and cultural sites and use areas.

The study refers to a report written by Flores and Kaohi but it was not appended to the copy that was made available to the public. Without the report, we cannot determine if the study was complete. The EIS only addressed the impact upon sites in the area where the launch pads and support facilities are to be constructed. The EIS should address the impact upon sites in the Blast Zone as well. No map of the sites in the entire project area, including the Blast Zone was provided. The public is unable to determine if the report is accurate with regard to the location of all known sites and to the nature and extent of potential impacts upon those sites.

Each of the historic and cultural sites that are identified in the EIS and the reports which were used as the basis of the EIS should be nominated to the National Register of Historic Places.

In addition to the impact upon particular sites, the National Historic Preservation Act requires that the report must assess the impact upon cultural use areas such as the place known as leina-a-ka-uhane, areas utilized for fishing, and gathering, as areas known for experiencing ho'ailona (signs in natural phenomena) such as the mirage phenomena of Limaloa that Mana is famous for. The sacred nature of the area known as leina-a-ka-uhane is acknowledged in the EIS.

Trails in the site must be identified and protected. Hawai'i state laws required that traditional trails be maintained and access along those trails be provided.

The EIS states that, "PMRF is located within an archaeologically and ethnographically sensitive area of Kaua'i." The EIS also acknowledges the fact that the dunes in the area are known to have pre-contact Hawaiian burials and is classified by the county as a special treatment district.

Kama'aina witnesses can verify that the area is also important for subsistence fishing and that there are fishing ko'a on the land related to fishing grounds in the ocean. In light of this, we believe that the area encompassing the dunes, including the shoreline and offshore ocean utilized for subsistence should be nominated and protected as a historic district on the National Register of Historic Sites.

Native Hawaiians should also be afforded access to the historic and cultural sites and use areas under terms of the American Indian Religious Freedom Act. This is not addressed at all by the draft EIS.

(7) Burials Treatment Plan Is Required

The Hawai'i Revised Statutes, Chapter 6E defines how prehistoric burial sites must be treated. Under the law, before a proposed project which may affect unmarked prehistoric or historic Hawaiian burials commences, the Department of Land and Natural Resources (DLNR) must be notified, allowed to review, comment and concur. This includes development of a burial treatment plan that must be approved by the appropriate island burial council. After referral, the council shall have 30 days to make a determination whether to approve the burial treatment plan. The draft report acknowledges that the State of Hawai'i Coastal Management Program

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has designated the dunes and adjacent sandy beach areas in the northern portion of PMRF as moderately sensitive due to the potential for the presence of human burials and paleontological remains. As mentioned above, the County of Kaua'i has designated the area a special treatment district because of the presence of human burials. Archaeologists and naval planning staff have indicated that there could be considerable potential for the inadvertent disturbance of burials and archaeological materials by project activities. The report also states that Hawaiian oral tradition and traditional burial patterns indicate that the dunes and adjoining sandy areas can be considered to be an area of high sensitivity with the potential for containing human remains.

The proposed mitigation plan for cultural resources, including burials is to proceed with work unless and until cultural artifacts are discovered. At that point the remains would be treated as inadvertent discoveries and a full or sample data recovery/research and documentation program (controlled excavation) would be implemented. This is unacceptable and illegal. Given the admission by the draft EIS that burials are known to be present throughout the PMRF site, the STARS developers are required, under law, to develop a burial treatment plan which must receive approval of the DLNR and the Kaua'i Burial Council, prior to commencement of any construction. The burials cannot be treated as if they were inadvertent discovery given the fact as stated by the draft EIS that, "current available information indicates that burials within the PMRF can occur virtually anywhere within the installation."

(8) Land Use

The area bordering the project site and impacted by the blast zone is part of the ceded public lands trust. Currently the land is under lease to Kekaha Sugar Plantation, a subsidiary of AmFac. The lease on the land expires in December 1993.

Adjacent lands also include lands of the Department of Hawaiian Home Lands. Those lands are also used by the Kekaha Sugar Company under terms of a lease that will expire in December 1993.

Currently, there are 21,000 Native Hawaiian beneficiaries who have applied to settle upon Hawaiian Home Lands. At least 2,000 applicants desire to settle upon the Department's lands on Kaua'i. Native Hawaiians from the West side of Kaua'i have already indicated their desire to settle upon the Hawaiian Home Lands in Waimea.

There is a concern that development of STARS will render the ceded lands useless for future habitation, development or diversified agricultural or other uses. Hawaiians are concerned that STARS would prevent ultimate settlement upon Hawaiian Home Lands.

A proposed possible swap of Kekaha Sugar lands for upland Hawaiian Home Lands would result in approximately 16,000 acres adjacent to PMRF becoming available. These lands would be used for housing and economic development but could be rendered useless by the emissions toxicity, noise and potential of catastrophic launches. Toxic fuel spillage, leakage or

16

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catastrophic launching could render lands useless or permanently contaminated, so that future use by Hawaiians would not be possible.

An assessment of the economic impact of restricted uses of the adjacent ceded and Hawaiian Home Lands must be included as part of the EIS. This must also address the issue of compensation for lands included within the Blast Zone and around its perimeter.

In addition, the entire ahupua'a of Waimea - from Koke'e down to the ocean - is Crown Land. Most of Hawai'i's ahupua'a (land divisions running from the uplands to the sea) already are developed, fragmented and heavily used. But the ahupua'a at Mana is special for two reasons: it's one of the biggest in the state and other than PMRF, it has remained in agriculture or conservation use. When Hawaiians regain sovereignty and control of their lands, the ahupua'a, which are traditional land divisions, will become valuable cultural components of the Hawaiian nation. Since most of the ahupua'a are already developed with resorts, government buildings and other uses that will be hard to move, the undeveloped ahupua'a become even more precious for restoration of the Hawaiian culture. As the Hawaiian people move toward achieving formal recognition of sovereignty, the ahupua'a of Waimea, the largest single ahupua'a comprised entirely of Crown lands, would be ideal for inclusion in a sovereign land base. In the interim, Hawaiians are moving toward calling for a moratorium on the exchange and development of ceded lands which would negatively impact upon the ceded public lands and the Department of Hawaiian Home Lands.

(9) Failure To Assess Impact On Ni'ihau, Kaula, and Lehua

The draft EIS does not assess potential impact of overflight on Ni'ihau, Kaula, or Lehua. Ni'ihau's 200 residents utilize rainwater catchment systems for drinking water. In addition, the only fresh water ponding on the island is used for cattle and sheep. Exhaust emissions and catastrophic launches would jeopardize the health and livelihood of Ni'ihau Hawaiians. The residents of Ni'ihau, whose first language is Hawaiian need to be informed about the STARS program and consulted regarding potential impacts. Testimony presented at the public hearing indicates that residents on the island were inappropriately pressured to sign letters of support for STARS without being informed of the impacts.

(10) Failure To Conduct Social Impact Assessment

The EIS provides no information on new jobs, types of jobs, required skill and educational level for the jobs or how many local people versus new employees from off-island would be hired. There is no indication of how many off-island employees with their families would move into the community if STARS is constructed and operated. Moreover, the draft EIS provides no confirmation of the fact that the PMRF base will, in fact, remain open under a "No Action" scenario if STARS is not approved. PMRF will continue to fill a training need for the U.S. Navy, especially in light of the

18

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recent closures of Subic and Clark Bases in the Philippines, as well as Kaho'olawe island in Hawai'i.

No survey was conducted of the community to assess community concerns regarding the STARS. The community anticipates an increase in social tensions and a change in the rural character of the Waimea-Kekaha area if personnel from outside of Hawai'i move into the community for the STARS. They also anticipate a negative impact on the availability of housing and a related increase in the price of houses. The influx of additional families into the community will also place additional burden on the school system, social services, fire and police protection, civil defense and medical services. These kinds of social impacts should be assessed in the EIS.

(11) Natural Disaster Area

PMRF is located in an area prone to tsunami, hurricanes, and tropical storms. It notes that a gazebo structure located in the vicinity of the project area was destroyed by a tsunami. These issues are not adequately addressed in the draft EIS.

(12) Failure To Assess Impact Under Different Scenarios

The draft EIS does not consider the social impact of operating STARS under different scenarios: (1) If use of the adjoining ceded lands changes after the expiration of the Kekaha Sugar lease; (2) If the Hawaiian Home Lands are settled; (3) If the adjacent ceded lands and Hawaiian Home Lands come under jurisdiction of a sovereign Hawaiian nation.

(13) Procedure to Designate a Blast Zone

The procedure and under what authority, rules and regulations a blast zone would be designated is not described. The report does not indicate what kinds of restrictions would apply within the blast zone. The report does not discuss forms of compensation that would be provided for reducing the value to the ceded public lands trust and the Office of Hawaiian Affairs which receives 20 percent of the revenues generated from ceded lands.

The proposed STARS program is a multimillion dollar venture. If allowed to continue, Hawaiians must be compensated and a new lease agreement drafted. If a proposed Homelands swap is terminated because of the intrusion of the blast zone into lands targeted for the exchange, then revenues from STARS should be utilized for developing infrastructure on Hawaiian Home Lands in the uplands of Waimea.

(14) Rainforests

Acid rain and catastrophic launches could threaten lowland to upland Koke'e rainforest due to upper atmosphere prevailing winds that blow inland, unlike the low level winds, which are seaward. Seasonal wind conditions are unpredictable, increasing the threat to inland habitats, rainforests and subsistence hunting.

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2-247

WR313 (cont.)

(15) Hawaiian Language

Information from the EIS should also be translated in Hawaiian for native speakers of Hawaiian who live in Waimea-Kekaha and on Ni'ihau. The highest concentration of native speakers of Hawaiian live in the area to be impacted by STARS. They should be given the benefit of being fully informed on the impact of the program to their lifestyle and livelihoods.

25

Nohili Coalition Critique of STARS draft EIS / 10

WR314

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U.S. Army Strategic Defense Command
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Subj: PUBLIC COMMENT ON THE DRAFT ENVIRONMENTAL IMPACT STATEMENT

My name is Eugene Henriques and I am a lifelong resident of Kauai. I have worked at the Pacific Missile Range Facility (PMRF) for the past 12 years, and am currently employed as the Operations Control Supervisor for CPK, the prime Operations and Maintenance (O&M) Contractor at PMRF. With the execution of my daily duties, I have thorough knowledge of the process which all prospective programs at PMRF must endure in order to become operational. I wish to state that no single program has involved the indepth research and overall program scoping as the STARS program. I felt all along that the Environmental Assessment (EA) adequately met my concerns both as a citizen and as an employee at PMRF. I also recognized the political realities which existed, and understood that when all levels of politicians from our local county council up through our senators in congress insisted upon a complete EIS, that you had no choice but to carry it out. I am more than satisfied with the findings of the draft EIS.

Keep in mind as an example the recent public hearing at the Kauai War Memorial Convention Hall, the first night by most estimates a crowd of no more than 900 people showed up to listen and testify. The center holds over 1100 people quite comfortably, of the 900 or so there, it was readily apparent that more than 50 percent of these people wore yellow shirts symbolizing support for the STARS program, in addition to these people, there were numerous people not in yellow who also were there in support of STARS and PMRF. Yet, when you count up your speaking engagements both Pro and Con, you will see a number clearly in favor of the opponents of STARS and SDI. This was clearly an organized effort of the professional protesters, most of whom are recent arrivals to this island and who make a lot of noise in proportion to their numbers, and who enjoy the solid sympathy and support of our islands' two newspapers and one local cable access TV station. Those who are opposed to STARS all showed up, yet they were still outnumbered by those who support this program and the findings of the DEIS. Keep in mind that over 49,000 residents did not show up to listen or testify. That tells me that approximately one percent of the people of this island actively oppose this program. The other thing which is so shocking to me is the amount of loose propaganda which STARS opponents are allowed to toss around unchallenged. In particular showing a catastrophic launch failure of a Titan Rocket and comparing the result as equivalent to a similar event involving the Polaris booster.

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2-248

Another example is the sudden discovery of those poor unfortunate souls on Ebeye by STARS opponents. I am a student of the Pacific, my wife is Micronesian, so I have a very deep understanding and personal concern for the welfare of the Pacific People. I could not believe the utter trash being put out by STARS opponents about this program causing or perpetuating the social situation on Ebeye. Enclosed please find a copy of the Jan/Feb 1990 issue of Pacific Magazine as supporting documentation. I am a regular reader of various Pacific publications, and I can attest that this particular magazine is not noted for its pro-American articles. This particular issue is totally dedicated to the Ebeye improvements which were only possible by the money the Marshall Islands and Kwajalein Development Authority received from the current agreements with the U.S. Government. You will see that the Ebeye concerns are being addressed in a very humanitarian way. Considering the economic alternatives for that area, I feel the Marshall Islands Government has gotten a pretty good deal.

In closing, I would like to commend the Army for its professionalism and level temperament displayed through this whole process to date. I would also like to thank the DOD officials who had the foresight to pair the DODs best product manager and the best test and evaluation facility in the nation, PMRF, together for this critical series of experiments.

Thank you for this opportunity,

Eugene Henriques
Eugene Henriques

2-249

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SPECIAL REPORT

The Reconstruction of Ebeye ... Page 30



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Contents

Features



Landfill has added more than nine acres to Ebeye's land area.

Ebeye: From Pacific Slum to Isle Showcase 30
 KADA: A Team That's Reshaped Kwajalein Atoll 39
 KADA Leads Kwajalein Atoll Revitalization 40
 Local Kwajalein Government 'Takes Charge' 44
 Marshallese See Opportunity on Kwajalein 46
 Ebeye's 'Inner City' Keeps Growing 48
 Missiles Play Major Role in Local Economy 49
 Ebeye Residents Have Money to Spend 55
 RRE Looks at Multi-Million \$\$ Expansion 55
 Robert Reimers: 40 Years of Success 56
 Gibson's Sees Major Ebeye Shopping Center 58
 Triple J Carves Out Share of Ebeye Market 59

Interview

Carleton Hawpe: Ebeye's Architect 61

Departments

Advertiser's Index... 70	Can You Identify? .. 70	Gov't Briefs 10
Air & Shipping 28	Classified 64	Map 11
Business 13	Editor's Mail Box 7	Pen Pals 70
Business Briefs 18	Government 8	Publisher's Report... 5

Cover



Ebeye Atoll in the Republic of the Marshall Islands has a bright future ahead of it.

2-250

Special Report: 'The Reconstruction of Ebeye



An Aerial view of Ebeye Atoll in the Marshall Islands.

Ebeye: From Pacific Slum to Isle Showcase

by Giff Johnson

Ebeye: First-time visitors to Ebeye are usually taken aback by the overcrowding, dilapidated homes, and the army of children running wild on the island. But long-time residents just shake their heads and smile, because they know what Ebeye used to be like.

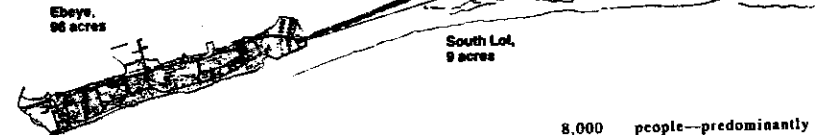
Ebeye has come a long way with

But it wasn't always that way on this most untypical of tropical Pacific islands. Ebeye became a disaster area for two reasons: the United States moved people off their home islands in Kwajalein Atoll and onto Ebeye in the early 1960s so missiles could be fired into Kwajalein's vast lagoon; and hundreds of outer islanders migrated to Ebeye, lured by the high-paying jobs at the missile range. Within a span of 10 years—from the mid-1950s to the mid-1960s—Ebeye burgeoned from a manageable community of several hundred Marshall Islanders to several thousand living in the most rudimentary

when it rained, broken sewers, dusty roads and thousands of people jam-packed into 76 acres of land, Kwajalein seemingly had it all: tennis courts, a golf course, air-conditioned homes, manicured lawns and a more than adequate hospital.

Journalist James Ridgeway commented in 1983 that "island" is too flattering a word for Ebeye. "A visitor sees, amid the Pacific blue, about four city blocks of slum shacks. Scarcely a tree, no grass, no sanitation, fitful electricity and

North Lot,
18 acres



marked improvements in power, water, garbage pick-up, a sewer system and roads since 1986. But it has a long way to go before it will be a healthy environment for people, particularly children, to live in. A planned causeway, linking Ebeye with six islands to the north, will open the door for serious redevelopment of Ebeye and neighboring islands. Now, with infrastructure development in place, there is an optimism—almost euphoric—mood among the leadership of Kwajalein that their island could be a model for development in the Pacific region.

homes, without decent health care or sanitation facilities.

By the mid-1960s, Ebeye deserved its labels as a "biological time-bomb that could go off at any time," and the "slum of the Pacific." Indeed, United Nations Visiting Missions and Congressional representatives repeatedly criticized the deteriorating social and health conditions on the island. The slum-look was sharply accentuated by Kwajalein Island's country club atmosphere, where 3,000 Americans lived and worked for the Army. While Ebeye had nothing—no medical supplies, a hospital that flooded

8,000 people—predominantly children—on a lump of coral barely one-tenth of a square mile in size."

With no local authority to take charge of development, the island was caught between the intransigence of a distant U.S. Trust Territory bureaucracy in Saipan, and a hostile military command three miles away at Kwajalein. For years, the Army contended that Ebeye was the civilian Trust Territory Government's responsibility, while the Trust Territory's attitude was that since Ebeye was in the Army's backyard, the Army should deal with Ebeye problems.

Special Report: 'The Reconstruction of Ebeye'



Homes destroyed by Tropical Storm Roy in 1988 (left photo) have been replaced with newly constructed communities of duplexes on Ebeye and Gugeegue (right photo).

Examples of this attitude abound. The lack of health and sanitation facilities was only one cause of Ebeye's problems. Dr. William Vitarelli, the American High Commissioner's representative on Ebeye from 1967 to 1969, reported: "We were having a gastroenteritis epidemic on Ebeye... I had pleaded with the army colonel from the Kwajalein Missile Range across the lagoon, who was in charge of building the water catchment systems, to cover the catchment tanks. I feared that they would become contaminated with the filth of Ebeye. He refused. We offered to build new covers ourselves if the Army would only pro-

Kwajalein... to take her to the Kwajalein hospital for treatment. "We were stopped at the beach by an American guard, who would not let the child enter the island... The Marshallese nurse pleaded with the guard that the child was dying and she could not receive appropriate therapy on Ebeye. The guard did not permit the child onto the island. She died on her way back to Ebeye. Five children died during the epidemic." Eight years later, little had changed. Dr. Konrad Kotrady, a physician for the U.S. Brookhaven National Laboratory, told a U.S. Congressional committee investigating problems on Ebeye in 1976: "The picture I would like to paint for Kwajalein regarding Ebeye's health care

present agreement between the Trust Territory and Kwajalein states that the Kwajalein hospital is only to be used on an emergency basis. There is little desire to expand on that basis to help improve Ebeye's desperate situation." Not surprisingly, Kwajalein landowners began objecting to the lack of action on festering problems on Ebeye. When their requests for action were ignored, landowners began a series of "sail-in" protests to restricted islands in the atoll in an effort to peacefully disrupt missile testing and force Army and Trust Territory action. Army safety regulations during missile tests into Kwajalein require that nobody be in the central part of Kwajalein's lagoon, known as the "mid-atoll corridor."



vide the materials. Again he refused. Then the epidemic came, which was traced to uncovered, contaminated water tanks."

During the diarrheal outbreak, Dr. Vitarelli said: "The Ebeye hospital ran out of intravenous fluids needed to sustain the lives of Marshallese children severely dehydrated from profuse vomiting and diarrhea. I took one Marshallese child, who was very ill, and put her on a skiff and motored four miles to

system is that Kwajalein has an attitude of indifference and apathy to what occurs on Ebeye... The Army's position was summed up to me one day, when a high-level command officer at Kwajalein remarked that the sole purpose of the Army at Kwajalein is to test missile systems. They have no concern for the Marshallese and (it) is not of any importance to their being at Kwajalein." Dr. Kotrady said that medicine is a human profession that should not be affected by political or military considerations. "The sole interest should be the supreme care of a human being... The

The first sail-in was launched in 1969, when landowners occupied several islands in the mid-atoll corridors, after U.S. Trust Territory officials disregarded demands from the landowners for increased compensation and access to their off-limits islands. The occupation, led by prominent landowner Handel Dribo, resulted in a new five-year lease, providing substantially increased compensation. But by the late-1970s, a lease for Kwajalein Island that paid the landowners a trifling \$10 an acre per year for 99 years' use became a key issue, as

(Continued on page 32)

2-251

Special Report: 'The Reconstruction of Ebeye'

Isle Showcase...

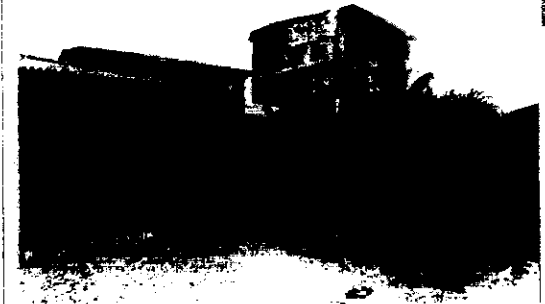
(Continued from page 31) Deteriorating living conditions magnified the inadequacy of the U.S. compensation. During the summer of 1979, the sewer system collapsed, spewing sewerage into people's homes, two of the three generators in the old power plant were out of commission, and the pollution levels in the lagoon were recorded at 25,000 times the safe level set by the World Health Organization.

The landowners, led by Senator Imata Kabua and Handel Dribo, once again took to their boats in protest, setting up camps around the atoll. While earlier protests had centered on the mid-atoll corridor, this time, the people occupied the missile range headquarters at Kwajalein Island and the important missile-tracking island of Roi-Namur, in the northern portion of Kwajalein. It was impossible for the Americans to ignore the protests.

Kwajalein landowners charged the U.S. with continued neglect of needs on Ebeye. "I have a letter from (Hawaii Representative) Patsy Mink which, in 1976, stated the Ebeye sewer system needed immediate attention," Kabua said. "It's more than three years later and what has been done? Nothing."



There is a new mood on Ebeye, with residents beginning to take more pride by cleaning up each day.



Typical of Ebeye's crowded conditions is this cluster of homes, jokingly marked 'hotel.'

The 1979 protests resulted in a dramatic increase in annual compensation payments from the U.S. From a few hundred thousand dollars a year, the lease payments jumped to \$9 million, with \$5 million going directly to landowners, and the balance going for development projects.

Still, a lack of local control at Ebeye meant problems continued to fester. And while the landowners were receiving more money, the U.S. interest in Ebeye's needs faded as the people ended their occupations of the islands.

Three years later, the largest protest against the recently signed Compact of Free Association was launched at Kwajalein. More than 1,000 landowners sailed into about 11 islands around the atoll and camped out for some four months, demanding increasing compensation and improved living conditions.

A demonstration of the gulf between the U.S. perception of the situation at Ebeye, and the reality of life on the dusty, disease-ridden slum was exhibited in comments by then-U.S. Ambassador Fred Zeder and a United Nations Visiting Mission in 1982.

Said Zeder: "(On Ebeye), there are schools, a hospital, commercial enterprises and other amenities... It should also be noted that the U.S. Government provides all Micronesians free hospitalization and education, as well as job opportunities that pay well in excess of the local wage level... I can

think of nowhere in the United States or, for that matter, the world where any government so provides for its citizens or, indeed, for individuals outside its domain."

Reporting on the same island, the U.N. said: "The people of Ebeye live in crowded, one-room houses with substandard and inadequate services. The sewerage system never functioned properly as a result of defective construction work. Since the visit of the 1980 mission, the situation appears to have deteriorated instead of improving... The hospital, where only one toilet in ten is operational, is dilapidated..."

The landowners received some compensation from the U.S. following their 1982 sail-in. But the glimmer of a possible breakthrough for real change on Ebeye did not occur until mid-1983. That was the inauguration of the atoll's first local government, headed by Mayor Alvin Jacklick, a young activist Ebeye resident, who had been educated in the U.S. and in the sail-in camps during the Kwajalein protests.

A short time later, the Kwajalein Atoll Development Authority was established to organize and supervise development initiatives on Ebeye and other islands in the atoll. Both organizations were headed by local leaders. At first, the national government in Majuro was less than forthcoming with support for the two agencies. Many of the leaders head-

(Continued on page 34)

Shirley K. Hester

Special Report: 'The Reconstruction of Ebeye'

Isle Showcase...

(Continued from page 32)
ing KADA and the local government had been key protest leaders. The scares of the Kwajalein protests—during which the Marshall Islands Government was obligated to side with the U.S. because of lease agreements—took many years to heal.

But as Kwajalein leaders' interests turned from protests to development progress and coexistence with the Army, the attitude of the national government changed to one of increasing support for local initiatives.

After an initial period of a total Army cut-off of services in response to the 1982 protests, the Army launched a self-styled "good neighbor" policy towards Ebeye, which has resulted in cooperation with the local government and the development authority on a variety of projects. "When the Army cut off free access to Kwajalein, Ebeye people were upset," said Bill Bezzant, a long-time Ebeye resident and the controller at Triple J wholesale. "But it forced people to build their own facilities. The people



New and much improved homes are being built on Ebeye. Above is Anjojo Kabua's home under construction.

were cast off on their own, and now they have their own identity.

"8,000 people have lived here when nobody in their right mind would set foot here. They toughed it out and now things are getting better."

Though it will take many years before Ebeye is considered a "nice" place to

live, the island is now on a positive course. The local government and the development authority get the real credit for the changes that are rapidly transforming Ebeye and nearby islands. They are gaining increasing support from the

(Continued on page 39)

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Special Report: 'The Reconstruction of Ebeye'

Isle Showcase...

(Continued from page 34)
national government, the Army and U.S. agencies.

But it is their doggedness that is reaping benefits for the community. Everyone said Ebeye had to improve, yet without the local control and leadership that the two agencies have given, it is doubtful that Ebeye would have seen the dramatic development changes of the past six years. ■

KADA: A Team That's Reshaped Kwajalein Atoll

by Giff Johnson

The Kwajalein Atoll Development Authority (KADA), working closely with the local government, has forged a successful team of planners, architects, engineers and construction companies to reshape the atoll. The development authority is run by Marshall islanders who have brought in outside experts to nurture their ideas and plans to fruition.



A new causeway will soon connect Ebeye and Gugegue islands.

Senator Imata Kabua, the most powerful *iroij* (chief) on Ebeye and a close relative and political ally of President

Amata Kabua, is chairman of the KADA board. He is joined by other landowners and Marshall Islands Government representatives. KADA's executive committee of chairman Justin deBrum, the government's liaison officer to the Kwajalein Army Base, Alvin Jacklick, Ebeye's mayor, and Fountain Inok, a prominent local businessman, have proved effective in speeding work along. Jeban Riklon oversees the day-to-day ac-

tivities of KADA as its executive director.

KADA has attracted substantial financial support from the U.S. Congress and numerous federal agencies, and backing from the Marshall Islands Government. Its network now extends to Washington, D.C.: Frank Solomon, a former Interior Department official, assists KADA by lobbying on "The Hill." A presence in Washington has proved crucial to gain-

(Continued on page 40)



Members of the Kwajalein Atoll Development Authority include, from left: Justin DeBrum, chairman of the executive committee; Fountain Inok, treasurer; Alvin Jacklick, secretary; Sen. Hermes Kibin, board member; Abdrik Male, board member; Handal Dribo, Sen. Imata Kabua, KADA Chairman; Jeban Riklon, executive director, and Carleton Haepe, architect and planning consultant.

Special Report: 'The Reconstruction of Ebeye'

KADA Team...

(Continued from page 39)

ing the ear of federal agencies and the Congress, say KADA officials.

Other outside staff include attorney Scott Stege, based in Majuro, who handles most of the Authority's legal matters. Hawaii-based architect Carlton Hawpe not only develops and oversees the blueprints for nearly all KADA construction projects, he also provides a link with federal agencies and the numerous engineering and construction firms that KADA deals with.

On-island, American Max Howard, an electrical engineer by trade, supervises all construction on the atoll to insure it meets building specifications. Working with him are building inspectors Augustine Nakamura and Sixto Laso.

KADA officials credit International Bridge Construction Co. (IBC)—the only construction company based on Ebeye—with timely and quality work. Through other companies, such as AIC Micronesia and United Atoll Builders, are active on Ebeye, IBC has maintained a presence even during slack construc-

tion periods, providing needed assistance with small projects and maintenance programs, said KADA officials.

David Blake and Kai Rikon keep track of KADA's \$8-million to \$10-million annual budget, while Roseann Jackson manages the office on Ebeye.

KADA has blended local and international talent, and the results are evident from Ebeye to Gugegue Island ■

KADA Leads Kwajalein Atoll Revitalization

by Giff Johnson

"Five years ago, Ebeye was not a viable community," said Max Howard, the Kwajalein Atoll Development Authority's construction supervisor and a resident of Kwajalein Atoll since the late 1970s. "The sewers didn't work, the power was off 40 percent of the time,

fresh water had to be barged from Kwajalein, and the streets were 'pothole city."

"Now, the power is outstanding 98 percent of the time, we make 160,000 gallons of fresh water a day, the sewers work, water is safe to drink, and the streets and sidewalks are paved."

Spearheading the Ebeye facelift is the Kwajalein Atoll Development Authority (KADA), which, after five years of intensive construction activity, has put basic infrastructure in place. "Our fingers are out of the dike," said KADA architect Carlton Hawpe of the infrastructure improvements, which have visibly changed the island.

The next, and most difficult, step is a major push on economic development, educational improvements and redistribution of Ebeye's overcrowded population of 8,300 to other islands.

The key to the next phase is a \$15-million causeway linking Ebeye with six islands to the north, including Gugegue Island—already the location of the Marshalls' first planned urban community. Yet, while the causeway has been seen as the linchpin in the plan since

the redevelopment scheme was conceived six years ago, lack of funding has stalled its start. In late 1989, the Marshall Islands Government elevated the project to a priority request for Japanese aid assistance. KADA officials believe that if Japan takes on the project, it could be completed in two years.

But an unstarted causeway has not measurably slowed the redevelopment plan in other areas. A turning point for Ebeye occurred when Tropical Storm Roy swept the low-lying island with 60-mile-an-hour winds and 20-foot waves in January 1988. The day after the storm, 1,300 were homeless and the houses on the ocean side were little more than piles of rubble. The immediate tragedy of the storm turned into a golden opportunity that KADA did not waste.

KADA and the local government banned building without permits and allowed few homes to rebuild in their pre-storm locations. Instead, with the quick response of the U.S. Federal Emergency Management Agency, emergency barracks facilities were constructed for the homeless. FEMA worked closely with KADA, integrating its emergency assistance into KADA's long-term improve-

ment plan. The result is newly constructed communities of duplex apartments on Ebeye and Gugegue islands that replace the homes destroyed by Roy.

Twenty-seven Ebeye families are moving into the new FEMA homes on

(Continued on page 42)



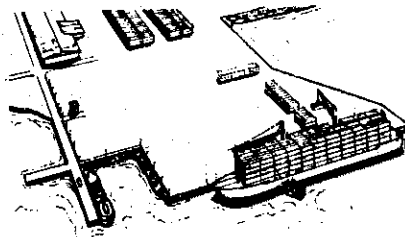
Houses, from ocean to lagoon, line Ebeye's streets. Above are emergency barracks that were erected for victims of the 1988 storm.

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Special Report: 'The Reconstruction of Ebeye'

Kwajalein Revitalization...

(Continued from page 41)

Ebeye or the Kwajalein base until the new causeway is built and they can drive to Ebeye. An elementary school, dispensary, salt water sewer system and fresh drinking water treatment facilities are all part of the new Gugegue community which, with its roads and sidewalks, resembles a neighborhood cut from a California subdivision.

Eventually, said Hawpe, the island could accommodate 2,000 people. KADA officials point with some pride to Gugegue as a model for future development. It's the first planned urban community in the Marshall Islands, and probably one of the first in the region. The solution to Ebeye's overcrowding, said Hawpe, is not to diminish the population but to control development. And Gugegue affords KADA and the Kwajalein Atoll local government the opportunity to do just that.

A second turning point last July saw all the major landowners of Ebeye sign a lease granting more than 75 percent of Ebeye's land to KADA. It will pave the way for KADA's plan to disperse the population, establish commercial zones, expand recreational facilities and build the island's first public high school.

"Before the July lease signing," said KADA executive director Jehan Riklon, "all development on Ebeye was piecemeal. Now the landowners have given

KADA the okay for development. Our objective is to remodel Ebeye."

With the Ebeye lease in hand, KADA has the power to move from the drawing boards to the streets of Ebeye. "We're at a fork in the road," said Howard. "Up to now, we've been establishing infrastructure for the future: roads, sewers, power plant, the dock. Now we can think about economic projects that will perpetuate themselves."

There are noticeable changes in people's perceptions of Ebeye. Ob-

served Hawpe: "During the last six months, there has been a change in gears. People are coming to us with proposals (for business developments). Now, local businessmen are thinking about development loans to expand their businesses, build new hotels. A year ago, they wouldn't have talked about this."

Justin deBrum, the Marshall Islands Government's liaison officer to Kwajalein—who also doubles as chairman of KADA's executive committee—said KADA is looking to encourage in-

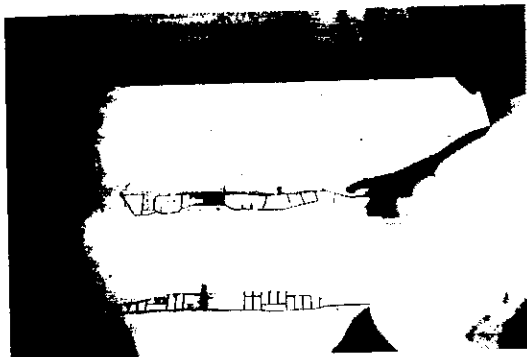


KADA building inspector Augustine Nakamura, right, discusses the Gugegue housing project with KADA construction supervisor Max Howard and IBC Construction supervisor Scott Reed.

come-generating activities for residents of Ebeye and other islands in the atoll. "Now that the infrastructure is ready, we can start thinking about economic development projects," he said. Among other projects, KADA plans to launch a hydroponic garden and a clam farm on the atoll. "Initially," said deBrum, "the objective of the projects is to improve nutrition. In the long run, they will look to exports," he said.

In addition, once the new Ebeye dock is completed, KADA will construct a small boat marina, which deBrum believes will give a boost to local commercial fishing. "Now, not a lot of fishermen on Ebeye are fishing commercially," he said. "But there is a ready market, with the Army willing to buy up to 2,000 pounds of fresh fish every month," he said. "Our plan is to build a small boat marina with a fish market, ice, gas and a guaranteed market for the fish," he said.

(Con)



Looking to the future, members of the KADA staff review proposed development

2-254

Special Report: 'The Reconstruction of Ebeye'

Kwajalein Revitalization...

(Continued from page 42)

"I'm excited about the economic side of KADA. It's new for us."

The next phase of the redevelopment of Ebeye and Gugegue will likely move slowly until the causeway is built, allowing relocation options for Ebeye's cramped population. Businesses that want to expand are currently wall-to-wall with houses or other businesses. Describing Ebeye's dense housing, one resident said: "I can spit into my neighbor's window."

By contrast, the new FEMA-funded duplexes have been built with so much open space around them that it prompted one American construction worker to ask KADA why it wanted so much space around the homes. The elbowroom to accommodate additions to the homes for large families, said KADA officials. Indeed, KADA landfill work has already added about 10 acres to the small island, a land area expansion of 15 percent. The days of shaking hands with your neighbors may be coming to an end for Ebeye. ■

Local Kwajalein Government Takes Charge

by Giff Johnson

"People said we were just a bunch of young radicals trying to overthrow the government and the Army. They were wrong then and they're wrong now," said Kwajalein Atoll Mayor Alvin Jacklick of his six-year-old local government.

Computers and FAX machines buzz in the background as Jacklick, in his stylish second-story office which overlooks Ebeye's new power/desalination plant, and, in the distance, the U.S. Army's Kwajalein Missile Range Headquarters, goes about the business of running the local government with its staff of 150. Jacklick's and the local government's rise to power is all the more remarkable in light of the improbable conditions in which it began.

Ebeye's first local government was elected in early 1983, and inaugurated in July of that year. There was no office, no staff, no budget, just problems: streets littered with garbage, fresh-water

shortages and a poorly maintained hospital. "We were like bigshots without shoes," recalled Jacklick of the local government's infancy. There were just two other local government workers—Abon Jeadrik and Joma Maic—who, like Jacklick, were young, wore their hair long and weren't afraid to speak their minds.

"KALGov," as the local government is known, first tackled the garbage pickup problem, soon bringing it under control by employing 15-foot-long trailers which were located in strategic parts of the island. People would deposit their rubbish in the trailers, and once a day a KALGov tractor would stop by, hook up the trailer, haul it to the dump and return it empty to the same spot.

As KALGov was getting its feet on the ground, there was more than a little friction with the national government in Majuro. The KALGov style was direct, and while it was bringing results on Ebeye, it frequently irritated the power structure in Majuro. Jacklick believed that Ebeye had waited too long for action, and he was determined to focus the national government's attention to Ebeye's needs. KALGov took a big jump in 1986 when, after more than a year of negotiations with the national government, it took over responsibility for Ebeye's Public Works operation and its more than 50 employees. Jacklick's complaint had been that Public Works employees didn't perform because their boss was 200 miles away in Majuro. Local control has obviously boosted morale and productivity. Now, Public Works provides very visible services, with daily (including Sunday) garbage collection, street cleaning (using a new street sweeper), hospital maintenance and public housing upkeep.

The local government works hand-in-glove with the Kwajalein Atoll Development Authority. When a KADA construction or infrastructure project is completed, it is turned over to the local government for operation and maintenance. KALGov is in charge of enforcing ordinances relating to building and zoning, and handles all utility collections. Jacklick credits Jeadrik and Maic—his right and left hand men—with the local government's success. "Without Abon and Joma, KALGov wouldn't be what it is now," said Jacklick. "These guys worked for the people of Kwajalein for two and a half years without a regular salary. Things were



Kwajalein Mayor Alvin Jacklick now heads a local government workforce of more than 150 employees.

Special Report: 'The Reconstruction of Ebeye'

fuzzy at the beginning, but they sacrificed to help me." Jeadrik is now the island's city manager, overseeing KALGov's several million dollar annual budget and enforcement of local ordinances. Maie is an assistant supervisor at Public Works, responsible for maintaining the emergency housing for storm victims.

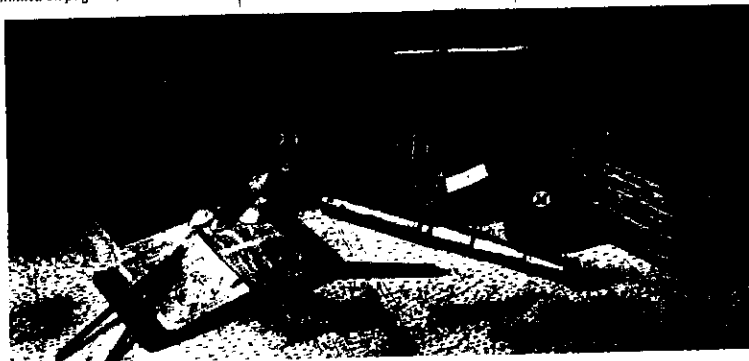
KALGov's police force has rapidly expanded during the past year under Public Safety Director Jelmata Kabua. They now have 40 police officers (with plans to expand to 70 in 1990), and a newly constructed jail and office facility.

The local government takes an active approach to enforcing its ordinances. In August, it mounted a sting operation against local bars to check for underage drinkers and those without required alcohol drinking permits. Dubbed "Tidal Wave" by the police, the operation netted more than 50 violators of KALGov's ordinance, including a substantial number of Americans from Kwajalein. Jeadrik noted that KALGov had launched similar checks in the past, but it was the first time that a lot of

(Continued on page 46)



Ebeye City Manager Abon Jeadrik oversees the local government's multi-million-dollar budget, enforcement ordinances and government services.



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PACIFIC MAGAZINE—45

2-255

Special Report: 'The Reconstruction of Ebeye'

KALGov 'Takes Charge'...

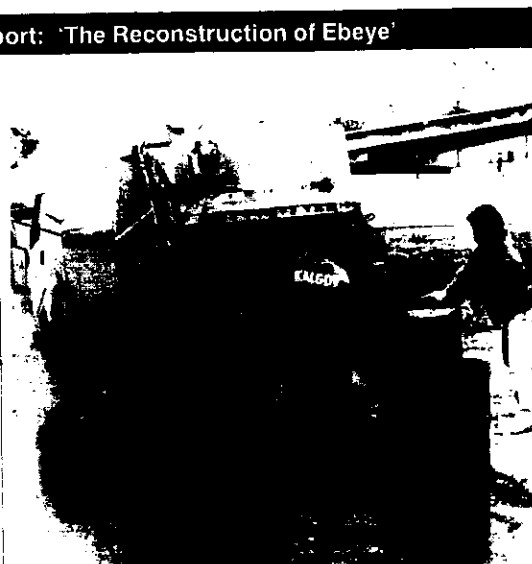
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Americans from Kwajalein had been arrested. Jeadrik said that the sting operation had been mounted because "a lot of parents complained that kids were let into bars by the owners."

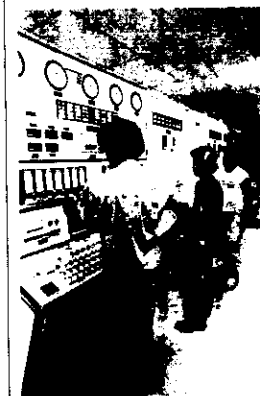
Enforcement of ordinances also brings substantial amounts of revenue into local government coffers. KALGov is still having difficulty, however, collecting water and electric payments more than two years after the billing system was started. Residents were conditioned during Trust Territory days to receiving all public services free of charge. Breaking the habit is proving troublesome, though the situation is gradually improving, said Jeadrik and Jacklick.



Local government finance official Julian Riklon plays out the computerized payroll checks for KALGov employees.



Regularly scheduled garbage pick up by local government workers has dramatically improved sanitation on the overcrowded island.



Ebeye's combination power and desalination plant has the capacity to produce up to 350,000 gallons of fresh water daily.

A minor incident at the local government recently underscored in an amusing yet instructive way the changes that have occurred on the island. One day in August, a KALGov payroll computer "bombed," prompting finance officer Julian Riklon to shake his head and work overtime to recover the financial records. Ten years ago, when the biggest complaint was that the toilets and sewers didn't work, few people had serviceable typewriters, let alone computers. There are still problems on the island, but Ebeye and KALGov have come a long way in a few short years.

Jacklick is now seeking the transfer of functions to KALGov of the ministries of Education and Health Services. "KALGov's record with Public Works and other activities demonstrates it is capable of handling the increased responsibility," he said. "Everyone said we were 'poison fish.' But the poison fish have turned Ebeye around," said Jacklick. ■

Special Report: 'The Reconstruction of Ebeye'

Marshallese See Opportunity on Kwajalein

by Giff Johnson

Senior Marshallese workers at the Kwajalein Missile Range say that opportunities for Marshallese to advance have greatly improved during the past two years. Close to 1,000 Marshall islanders are employed at Kwajalein—the largest local workforce ever. Two years ago, Pan American World Services took over the prime base contract from Global Associates, which had provided logistics support at Kwajalein since the early 1960s.

"There are more jobs now and better benefits and there are more opportunities available for Marshallese," said stevedoring supervisor Losalo Lauti, one of the large number of Marshallese who have worked at Kwajalein for more than 20 years.



Paul Patrick is the personnel administrator for Pan American World Services, the logistics contractor for the base.

Pan Am's Personnel Administrator Paul Patrick agrees. "Within a short time with Pan Am, there have been tremendous changes in moving Marshallese up," he said. "Now, when a job opens up, Marshallese get the first priority."

A sudden, \$16-million budget cutback in early 1989 rocked the base, forcing Pan Am to lay off about 70 Marshallese, and to place several hundred on a part-time, "job sharing" status. It caused severe financial hardships for many, but by the end of 1989, nearly all of those on temporary job-sharing had been brought back up to full-time status, while many of those laid off had been placed with other contractors on the island.

Kwajalein has attracted Marshallese for many years because it paid at least U.S. minimum wages—about triple the going rate for jobs on Ebeye. But that ended with the 1986 implementation of the Compact of Free Association. Now the Marshall Islands' minimum wage of \$1.50 an hour applies, although the Army agreed that all Marshallese working prior to the Compact would stay on at their same wage level.

(Continued on page 48)

2-256

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PACIFIC MAGAZINE—47

Special Report: 'The Reconstruction of Ebeye'

Opportunity...

(Continued from page 47)

Patrick said that unskilled positions, such as janitors, groundskeepers and mechanic helpers, start off at \$1.75 an hour. But the 500 or so employees working prior to the Compact average upwards of \$5 an hour, while the 15 Marshallese supervisors on Kwajalein earn \$11 to \$12 an hour, he said.

In years past, Marshallese frequently charged that Americans were paid more for doing the same work. Patrick, who has worked at Kwajalein since the early 1960s, said that now "there is no difference between Marshallese and American employees."

Ebeye's 'Inner City' Keeps Growing

by Giff Johnson

Ebeye's army of children (over 50 percent of the 8,500 people are under 14) will prove to be the single greatest challenge to Ebeye leaders as they work to reshape the island. Despite the rapid infrastructure change achieved in just several years on Ebeye, there remain few opportunities for youth on Ebeye. Recreation facilities and programs are limited, as is the job market, particularly since the early 1989 budget cutback at the Kwajalein base resulted in some layoffs and a temporary hold on hiring new workers.

Despite the population, there has never been a public high school on the island, and the two private high schools (operated by the Seventh Day Adventists and the Assembly of God) provide space for just a fraction of high school-age students.

One veteran Marshallese worker at Kwajalein, who, like many with money, sends his children to Hawaii for school, said he isn't encouraging them to return home when they finish. Why? "There's no future for kids on Ebeye," he said.

That's the way many people feel, though in actuality, there may now be more jobs at Ebeye and Kwajalein than ever before, and more activities now that the local government opened a sports and



Hideo Milne, right supervises the small boat marina for the Army base on Kwajalein.

recreation department. The explosive reality is, however, that thousands of young Marshallese will be graduating—with or without skills—into the workforce in a very short time. And the sheer numbers of youth are already taxing the island's ability to provide services.

Romeo Alfred, the Kwajalein Atoll local government's sports and recreation director, believes that the is-



Using available resources, these Ebeye kids enjoy a game of ping pong.

land needs to greatly expand its recreation facilities to service the needs of the growing population. "We want to improve our recreation facilities for kids," he said. "KADA has plans in mind, but it's a matter of money and land availability," he said. "There's an obvious need (for more facilities). Kids set up their own volleyball and basketball courts all around the island."

For this large urban population, there is only one basketball and tennis court and one baseball field. The sports and recreation program, established a year ago, organizes Ebeye sports leagues—the first time in many years that there is systematic sports activity that does not fall entirely on the shoulders of volunteers.

Perhaps the lack of activities and facilities for young people—not so very different from Majuro, the capital of the Marshalls—is one of the foremost causes of crime and a mood of alienation overtaking youth in the urban centers today. Though change on Ebeye has been dramatic, few of those changes provide tangible support to teenagers growing up in the modern climate of Ebeye. Alcohol, drugs or worse—youth sniffing gasoline—are escapes that suck in increasing numbers of young people in the Marshall Islands, worrying many church and community leaders.

Ebeye is Micronesia's "inner city," and developing a productive future for its young people is going to take the same level of thought, care and action that has already brought so many infrastructural and living condition changes to the island.

Missiles Play Major Role in Local Economy

by Giff Johnson

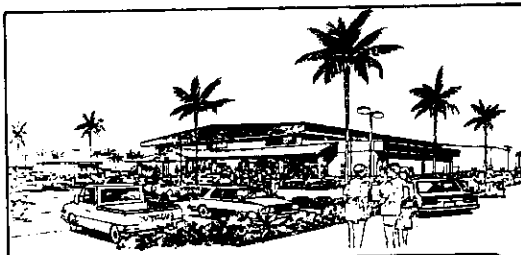
Early 1990 will bring the first field tests to Kwajalein of space weapons in the Strategic Defense Initiative (Star Wars). Though the Star Wars Program has resulted in an investment at Kwajalein of hundreds of millions of dollars for radar and launch facilities, and housing for American workers, missile defense work is nothing new to the Marshall Islands.

Since the early 1960s, Kwajalein has been the "bullseye" for missiles launched from Vandenberg Air Force Base in California. The Minuteman, Trident and MX missiles have all been developed and

(Continued on page 50)



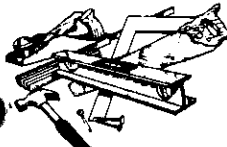
Col. Philip Harris, Kwajalein Commanding Officer



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PACIFIC MAGAZINE-49

2-257

Special Report: 'The Reconstruction of Ebeye'

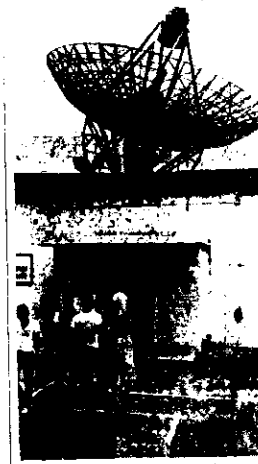
Missile Range...

(Continued from page 49)

each launch has been used as a "target of opportunity,"—to use the Army's jargon—for developing radar tracking and intercept capability that has provided the underpinning for what is now known as the Strategic Defense Initiative.

Kwajalein is the United States' only long-range missile testing site, and will be at center stage for testing this new generation of space weapons. The \$2-billion facility would be difficult or impossible to duplicate elsewhere, according to the Defense Department. Kwajalein's boomerang-shaped necklace of 90-odd islands surround an immense lagoon, forming the world's largest atoll. Kwajalein provides an enclosed target for incoming missile warheads—safe from Soviet interference. The radar, telemetry equipment and high-speed infrared cameras on a dozen of the islands record every phase of flight of the warheads.

Not surprisingly, the missile range (formally known as U.S. Army Kwajalein Atoll-USAKA) plays a major role in the economy of the Marshall Islands. According to Army estimates, Kwajalein accounts for an injection of \$23 million annually into the Marshall Islands, through land compensation payments,



The ALTAIR radar at Roi-Namur is Kwajalein's most powerful.



Employees bike to work past one of the many radar installations on Kwajalein.

development assistance, wages to Marshallese base workers and taxes on Americans (who work as scientists, engineers and base support personnel). This figure equals one-third of the annual operations budget of the Marshall Islands Government.

But it is not money alone that connects Kwajalein and Ebeye, said Col. Philip Harris, Kwajalein's commanding officer. Numerous sporting and cultural events now bring the two communities together on a regular basis, while the Community Relations Council pulls together top leadership from both islands to discuss problems. "Developing solutions to the problems draws the communities together," said Col. Harris. He foresees the improved relations of the past three years continuing. "The two communities are tied together enough now, where a return to the icy climate of the early 1980s is unthinkable," he said. He said that the big programs of Strategic Defense Initiative tests to come would "be extremely difficult with the early 1980s mentality."

"Links between the two communities will continue to grow, in large part because of the active Ebeye leadership and the community," Col. Harris said. One area that Harris has promoted during his first year as commander is training opportunities for Marshallese. He has encouraged Marshallese to take advantage of the U.S. Job Corps vocational training programs, and has worked with local contractors to assist with job training programs for their workers. The early 1989 budget cutback put a crimp in his training program, when many were laid off or put on part-time status. Still, the work situation has settled down since then, with a few new jobs opening up. Pan Am Personnel Administrator Paul Patrick said Marshallese get first consideration when any job opens up.

Under the Compact of Free Association, the United States has a 15-year lease for use of Kwajalein, with the option to renew for an additional 15 years. Kwajalein's future role as the prime U.S. missile testing center, and its continued impact on the Marshall Islands economy, would appear to be secure for another generation. ■

Special Report: The Reconstruction of Ebeye

Ebeye Residents Have Money to Spend

by Giff Johnson

Companies are keen to do business on Ebeye because residents have what they call "buying power." The island has an extraordinarily high per capita income—in part from salaries of Kwajalein workers—but in larger part from the multi-million-dollar base rental payments to landowners. About \$6 million a year is paid to some 80 senior landowners for rental of the Kwajalein Missile Range. The rental fee is no longer disputed, but the distribution of those funds among the landowners on Ebeye is a continuing—if less than public—concern. What attracts the businesses—the hard cash of rental payments—could prove a troublesome issue in the years ahead.

In the early 1980s, when the land rental payments leaped into the millions, the Kwajalein Atoll Corp.—the major organization of landowners—employed a system of per capita payments that assured each of the roughly 5,000 Kwajalein landowners an equal quarterly allotment, irrespective of their land holdings or traditional status. Though these quarterly payments were relatively small, they were used as collateral for obtaining bank loans and allowed Kwajalein residents to have group health insurance. All that is history.

Disputes among the landowners and with the Marshall Islands Government resulted in the demise of the once-powerful Kwajalein Atoll Corp. Now, the payments are divided into three equal portions for the *iroij*, *alab* and *dri-jerbal*—the three classes of Marshall Islands landowners. There are four *iroij* (chiefs) who receive one-third of the \$6 million, and about 75 *alab* and senior *dri-jerbal* who divide the remaining two-thirds. The rental payments are now distributed according to customary practices of sharing within lineages. *Iroij* have bristled when it has been publicly suggested that money isn't being distributed evenly to landowners at the bottom of the ladder. A U.S. Congressional report three years ago, however, was scathing in its criticism of the lack of a payment struc-



Competition among retailers has brought better prices and a bigger selection of goods to Ebeye.

ture in the present system, claiming that it could undermine U.S. national security interests by planting the seeds of unrest among landowners at the missile range. Army officials say that once the U.S. gives the money to the Marshall Islands Government, which in turn pays the 80 senior landowners, it is none of the Army's business what happens to it.

There is talk among senior landowners of the possibility of establishing a new "per capita payment system," suggesting that even though the KAC was an organization much in dispute, its payment plan was liked by many. Money is passed around among families by the senior landowners receiving these large sums. That is evident from the buying power of many Ebeye residents, and the families with children studying overseas. The *iroij*, who by custom oversee the affairs of the community, say they're making it possible for people to gain off-island medical treatment and education with a portion of their shares of the payments. But there are inherent pitfalls in a system involving the distribution of millions of dollars that relies on goodwill rather than a system based on contractual agreement.

Direct criticism or questioning is frowned on in Marshallese custom, particularly if it involves higher-ranking leaders. Thus, what some landowners claim to be a problem with payment distribution will probably remain an issue, festering slowly beneath the surface. What impact it has on the future of Ebeye and Kwajalein depends largely on the senior landowners. ■

RRE Looks at Multi-Million \$\$ Expansion

by Giff Johnson

Robert Reimers Enterprises (RRE), the largest locally owned business in the Marshall Islands, has been the "big business" on Ebeye since it opened its first small store 20 years ago. Ebeye's unique space limitations have forced RRE to develop in four separate store locations on Ebeye.

But the company would like to develop a shopping complex similar to the one which is at the heart of Majuro's Business District. The company would like to build a shopping complex, including an Ace Hardware, a grocery and a retail store and a Ben Franklin store with a total of about 20,000 square feet. Its current grocery facility is limited to 3,000 square feet, with no room for expansion, because of the packed housing conditions.

Like Gibson's officials, Francis and Ramsey Reimers said they look forward to competition between the two large stores. "It's in the interests of the community to have more than one large store," said Francis, who oversees the Majuro wholesale and retail operation.

"Now," said Ramsey Reimers, RRE's chief executive officer, "the Ebeye

(Continued on page 56)

PACIFIC MAGAZINE—55

Special Report: The Reconstruction of Ebeye

RRE Expansion...

(Continued from page 55)

operation is all bits and pieces. We like the shopping mall idea.

While it waits for decisions from the Kwajalein Atoll Development Authority (KADA) about land availability, RRE began a small expansion this past September. The fastest-selling food items at RRE are take-out ribs, barbecued chicken, pizza and local foods, when they are available. To get the fast-food operation into a more visible location, RRE is building a "deli" that will open directly onto Ebeye's main road, where it is bound to get more foot traffic.

But RRE's Ebeye facility is old and rundown-looking, compared to its sparkling new commercial complex in Majuro. Ramsey explains that "until the expansion plan is realized, we can't spend too much (money) in the facility." It is uncertain at this point whether RRE will expand on its current lot, which is close by the dock, or it will move to a different area.

Despite the uncertainty surrounding the expansion, Ebeye Grocery Manager Bob Jones said he sees people's eating habits changing, and the store changing with them. He is selling more fresh produce than before, and he said that in the past, the Ebeye store just sold frozen chicken and turkey parts. But now, people want a whole selection of steaks, bacon and other meats. The problem, he said, is having the freezer and cooler space in the cramped facility to meet the demand.

Space on Ebeye is at a premium, and RRE's Ebeye Manager James Kabua points out that the store doesn't even have the space to house a standby generator in case the power goes out, although he said the power is now extremely reliable, since the opening of the island's new power plant in 1987.

Francis Reimers said that the company is open to the ideas of the Kwajalein Atoll Development Authority, which is overseeing development plans on the island. "We'd like them to get the business community together to help with the development plans," he said.

Ramsey said that businesspeople should not limit their thinking to Ebeye. Instead, they should look at opportunities around the atoll. He pointed to the Marshallese communities at Ebadon and Mejato in the western corner of the atoll; and the American community at Roi-



Robert Reimers Enterprises is the largest retail/wholesale business on Ebeye.

Namur and a Marshallese village at Third Island, near Roi-Namur. A new community is being developed on Gugegugue Island, and where the population is, RRE wants to be, said Ramsey. We're interested in setting up a mini-convenience store on Gugegugue in the future," said Francis. ■

Robert Reimers: 40 Years of Success

by Giff Johnson

Robert Reimers Enterprises is the big business in the Marshall Islands, and it's getting bigger. But despite the meteoric rise of RRE, the man behind it maintains his own down-to-earth manner. Robert Reimers turned 80 last October, which is twice the age of his business, which celebrates its anniversary in April.

The family-owned business is the largest employer of Marshallese after the government, with an estimated 500 workers. It has retail, wholesale and Ace Hardware stores in Majuro and Ebeye; operates gas stations, a "Water Man" and a NAPA auto parts franchise; is the agent for Matson, NYK and Pacific Forum Lines; owns the island's classiest hotel and restaurant; rents office space in two commercial centers, and operates stores on two outer atolls—Kili and Jaluit.

Robert Reimers is now officially retired, leaving the day-to-day operations to his sons and daughter, and a team of American and New Zealand managers. Most days, he can be found wandering through the stores chatting with employees, or socializing with friends outside the post office or the RRE "deli" over a cup of coffee. Reimers, in his modest, low-key way, says: "I like to make friends with people. That's my way of life." And a manner that has made the business a success story.

Beginning: Reimers got his start in business shortly after the end of World War II, when the U.S. Navy brought him to Kwajalein to operate a boat repair and maintenance shop for the outer lying atolls. He used the boat repair operation as a stepping stone for launching a retail business for islanders living on isolated, and infrequently serviced atolls. In 1951, he moved to Majuro to run a similar boat servicing operation for the Navy. But he found Marshallese customs made it virtually impossible to collect close to \$80,000 in outstanding repair bills, so he got out of the boat business and concentrated on retailing consumer goods.

His first Majuro store was in Delap. Reimers laughs when he recalls that he started with just two other employees to assist him and his wife. At that time, there was just a handful of small "mom and pop" type stores on the island. The biggest store was the U.S. Government's Island Trading Company, which had little more than basic food staples in stock. So Reimers says that in addition to food, he began stocking a range of items

56—JANUARY/FEBRUARY 1990

previously not available on Majuro. "I brought in cosmetics, perfume and clothes from Hawaii," he says. His experience working for a large Japanese trading company on Wotje Atoll before the war taught him what Marshallese like to buy, he says.

In the early 1960s, Reimers moved the store to Uliga, its present location. But it was little more than a hole-in-the-wall, with Reimers and his family living in the back. "When we moved to Uliga, it was a very small store," he recalls. "We were living in the other side of the building."

Reimers built his reputation in large part upon his company's service to the

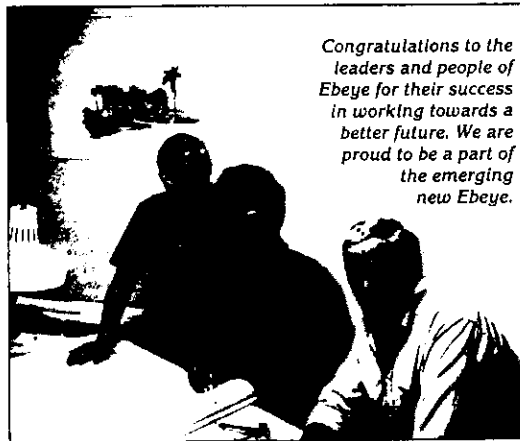


Robert Reimers: The man behind the biggest company in the Marshall Islands.

outer island communities. During the 1960s, his company operated five boats which went from island to island picking up copra in exchange for food and other goods. RRE no longer operates a fleet of ships, and last year, ended years of service aboard government field vessels, saying that it could not afford the losses from pilferage, pests and related damage.

Reimers credits Powell Mikkelsen, who managed the store from the mid-1960s to 1972, and Ron Levy, who took over in 1972 until his death in 1985, with having the skills and business sense that helped the company become the largest homegrown business in the Marshalls—and one of the largest in all of Micronesia.

(Continued on page 58)



Congratulations to the leaders and people of Ebeye for their success in working towards a better future. We are proud to be a part of the emerging new Ebeye.



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PACIFIC MAGAZINE—57

2-259

Special Report: 'The Reconstruction of Ebeye'

40 Years of Success...

(Continued from page 57)

Competition: It was the opening of Gibson's store on Majuro in 1984 which launched RRE on a long-term, multi-million-dollar investment in renovation and expansion that will continue well into the 1990s. The nonstop expansion resulted in the opening of renovated retail and wholesale stores, and the new Ace Hardware, hotel, restaurant and commercial center complex. The new facilities have been built on filled land. With dredge and fill, RRE has added several acres to its lagoon-front property, and plans a small boat marina adjacent to its second-story hotel.

Gibson's was the first company that could compete on RRE's level. Prior to its opening in 1984, there was little in the way of merchandising or competitive sales. In the last five years, sales, special promotions and a much wider selection of goods have become available in Majuro stores. And there's not just competition between RRE and Gibson's. The competitive spirit has also infected the mid-level businesses, most of which have renovated and expanded.

Reimers' dream for many years, he says, was to see Majuro develop and grow, and his store to be at the forefront of that growth. Though he has more than achieved his goal, Reimers says the company will continue expanding to meet the demands of the community. The next project will be a small boat marina with a pier-side gas station so fishermen can save time by gassing up their boats in the water.

An important outcome of the RRE expansion program is the substantial investment in the local economy. Many Marshallese have been employed on RRE construction projects, while dozens of new jobs have been created in the Majuro, Ebeye, Kali and Jaluit stores.

Through all, Robert Reimers has never lost his common touch with friends and customers. He remembers the people who helped him reach the milestone of 40 years of business operations—and that personality has made Robert Reimers a Marshall Islands success story. ■

Gibson's Sees Major Ebeye Shopping Center

by Giff Johnson

"What's happened the last few years on Ebeye and what's going to happen in the next few years is dramatic," said Gibson's Majuro Manager John Smith. "Ebeye," he said, "is quickly moving from the 'slum of the Pacific' to the show place of the Pacific." And Gibson's wants to be a part of the development.

The Guam- and Honolulu-based company has proposed establishing the small island's first major shopping complex that would include a grocery and

hardware store, restaurant, hotel and commercial office and store space.

Until recently, Ebeye has basically been a one-store town, with Robert Reimers Enterprises having the largest retail and wholesale facility. Gibson's put a foot in the Ebeye market by opening up a small, 1,200-square-foot clothing shop in November 1988. "We're very pleased with the response people have shown to our little store," said Smith, who has lived in the Marshalls for more than 15 years.

Gibson's Ebeye Store Manager Katina Anjen agrees. She said they have been able to lower prices on clothing by ordering direct from U.S. suppliers, and this has attracted new customers. Although the store has space only for clothes and sundries, she said she receives special orders for many food and other items which Gibson's ships in for its customers.

"Gibson's didn't come just to service Majuro, it wants to serve all the islands," Smith said. "Now we're moving in that direction."

He indicated that Gibson's is eyeing the possibility of a \$5-million to \$10-million investment in an Ebeye shopping complex that would take about two years to complete. Asked whether Ebeye's population of about 8,500 can support two major stores, Smith said: "Everyone asked that in Majuro when Gibson's opened in 1984. But it made all the retail stores better. Businesses in Majuro are prospering. Majuro has shown that it can support two very large businesses and several mid-sized ones. Ebeye won't have any trouble with the addition of another big one."

Smith also believes that there is a largely untapped market of Americans living at the Kwajalein base. There are about 3,000 Americans at Kwajalein, just three miles—and 10 minutes away by Army ferries—which run a dozen times a day between the two islands.

"The shopping facilities on Kwajalein are very limited," said Smith. "If Ebeye had a good shopping center, it would bring interest from Kwajalein residents, which would result in more exposure to Ebeye and better relations (between the two communities)."

A master lease, giving the Kwajalein Atoll Development Authority control of most of Ebeye's 76 acres was signed recently. Smith believes it paves the way for business expansion on the island. ■



Gibson's opened a small store on Ebeye in 1988 and is now eyeing the possibility of building a multi-million-dollar shopping complex.

Triple J Carves Out Share of Ebeye Market

by Giff Johnson

Proving that two large wholesale stores can prosper on Ebeye, Triple J manager Sam Bellu said that since the store opened three years ago, sales have more than doubled. Triple J was brought into Ebeye by local development officials with a very specific mission of providing wholesale competition with Robert Reimers Enterprises, then the only large wholesaler on the island.

Triple J works under contract with the Kwajalein Atoll Development Authority. It leases the island's only true warehouse and container yard from KADA.

Bellu said he hears people complaining that prices on Ebeye are always higher than Majuro. But he said it's not true. "People say that on Ebeye products cost more, but I can't find that it's true," he said. Triple J's prices, he claims, are in many cases 40 percent less than Majuro. To underscore his point, he said that some people living in Majuro order electronic equipment from him.

In addition to selling a variety of TVs, stereos and furniture, Triple J also cuts and packages meat for retail sale in its butcher shop at the back of the large warehouse. The company handled cargo sales aboard several Marshall Islands Government field trip ships that service isolated outer island communities, but ended the service because of difficulties with scheduling the ships.

Would Triple J like to expand into a retail operation on Ebeye? Bellu said it is being considered by the store's Guam management. Right now, the company is happy servicing the more than 80 Ebeye businesses.

Triple J's controller, Bill Bezzant, observed that the total volume of wholesale trade on Ebeye has gone up since Triple J opened three years ago, with a number of small "mom and pop" businesses opening up.

Bezzant and Bellu both see positive marketing and price trends in the wholesale market. ■



Fountain and Ann Inok have big plans for expanding their seven-room hotel on Ebeye's lagoon side.

Anrohasa Hotel Eyes Expanding on Ebeye

by Giff Johnson

It used to be that if you didn't have friends on Ebeye, there was no place to stay. Local government and Kwajalein Atoll Development Authorities officials were hard-pressed to find beds for visiting engineers, architects and businessmen.

But that's beginning to change, with a number of small businesses opening hotel accommodations. Fountain and Ann Inok opened the Anrohasa Hotel (the name is taken from the initials of their four children) earlier this year, and it is difficult to find a room unless you make reservations weeks in advance. In

(Continued on page 60)

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PACIFIC MAGAZINE—59

Special Report: The Reconstruction of Ebeye

Anrohasa Hotel...

(Continued from page 59)

addition, Atidrik Maie's hotel also offers several rooms, and Rudy and Irene Paul are soon to open a new hotel on the island.

Like most Ebeye businesses and homes, the Anrohasa is small. The Inoks went to a second-story to fit in more rooms, and currently offer seven. The rooms are small, but smartly furnished with carpeting, framed paintings, a refrigerator, a television (with satellite-live reception) and a desk and chair.

Downstairs, is the Inoks' Ebeye version of a family restaurant. Customers squeeze in shoulder-to-shoulder on a bench around an L-shaped counter. It was built for about 6, but most frequently, has about 10 customers in the popular spot.

The Inoks have big plans for a 20-room addition, first-class restaurant and a bar. They are applying for a loan from the Marshall Islands Development Bank to finance the project, which would be connected to the current hotel and built out over newly filled land on the lagoon.

But, despite their plans for major improvements, all the Inoks' customers tell them they have to keep the small restaurant, because they like it so much.

The Anrohasa Hotel is a homely affair, with both Fountain and Ann frequently there to catch up on the latest news over a cup of coffee and a freshly baked turnover or sweet roll. Ann handles the day-to-day operations of the hotel and res-

taurant, as Fountain, a Kwajalein Atoll Development Authority executive committee member, is frequently off-island on KADA business.

The Inoks started with a retail grocery store, then expanded with a laundromat. Now, only the laundromat remains. "We gave up on the store because of problems with credit," they explained.

But the hotel and restaurant are more than enough, as the Inoks look to major expansion in the near future. ■

LaBobby's is Ebeye's Most Popular Eatery

by Giff Johnson

LaBobby's Restaurant has developed into one of Ebeye's most frequented eating spots in the year since it opened. The modern decor, combined with a wide range of offerings on the menu, including a quick take-out service, makes the restaurant a pacesetter on this tiny island.

Bobby Lamug operated the popular Islander Disco for eight years before closing up the nightclub and moving into the restaurant business. But he hasn't looked back.

Lamug said he became less and less happy with the nightclub business the

longer he was running it. "The disco makes good money, but I wasn't happy doing it," he said. "My friends said I was crazy to close the disco. But I said I know exactly what I'm doing."

A year later, he doesn't regret his decision. "I'm fresh in the morning, and I don't have to deal with drunks," he said.

Like many small businesspeople on Ebeye, Lamug has expansion plans. He is currently recruiting a pastry baker from overseas, and plans the addition of a second kitchen to help the staff handle the heavy weekend catering and restaurant load. One recent Friday, LaBobby's catered for more than 500 customers at three separate parties, while serving dinner to customers in the normally busy restaurant.

Lamug said that in addition to expanding the kitchen and opening a bakery, he intends to turn the old disco building into a "fun factory" arcade for the entire family.

LaBobby's is not only a favorite eating spot for Ebeye residents. He said he has many customers who come over from the Army base at Kwajalein to eat at the restaurant. "The Americans can tell the difference in our hamburgers," he said. "That's because we make our own patties." The biggest difficulty he has is keeping a supply of fresh produce in stock, but regularly serves green salad with meals. ■



LaBobby's Restaurant is one of the most popular eating spots on the island.

Special Report: 'The Reconstruction of Ebeye'

Interview

Carleton Hawpe:
Ebeye's
Architect

Architect Carleton Hawpe is no stranger to the Marshall Islands. After graduating with a degree in architecture from the University of Virginia in 1966, he joined the first group of Peace Corps volunteers in the Marshall Islands.

Hawpe has had a hand in designing many of Majuro's most notable public and private facilities, including the museum/library complex, an earlier version of the Nauru Eastern Gateway Hotel and the Robert Reimers Enterprises post office/commercial complex.

After living in the Marshalls for 14 years, he and his family moved to Hawaii in 1979. Initially, he worked with Franklin Gray & Associates of Honolulu, and began regular commutes to the Marshalls.

In 1984, he launched his own architecture firm—Carlton Hawpe & Associates. Since then, Hawpe has been a consultant with the Kwajalein Atoll Development Authority. In addition to spending about 80 percent of his time on the Ebeye development work, he has designed elementary schools and a high school cafeteria for the Marshall Islands Government.

by Giff Johnson

PACIFIC MAGAZINE: Ebeye, with 8,500 people living on 76 acres of land, has long been known as the "slum of the Pacific." In a nutshell, what was the island like 10 years ago?

HAWPE: Ebeye hit bottom in 1979, when virtually all of its utility systems ceased to function. Sewage was backing up into people's homes because the sewer lines had collapsed, the power was out half the time, and there was no fresh water, except what was barged in from

Kwajalein three times a week. The morale of the community, as you can imagine, was totally falling apart.

PACIFIC MAGAZINE: Can you compare that with the situation on Ebeye Island today?

HAWPE: While there is still a long way to go toward improvement, the people's mood is very upbeat. A lot has been



Carleton Hawpe

accomplished in the last five years. A new electric power/water desalinization plant was built in 1985 which now provides not only reliable power, but 200,000 gallons of fresh water daily as well.

The sewers have been rebuilt and the system expanded. The electrical distribution system has been rebuilt. The road, which used to be either a continuous mud puddle or a dust bowl, depending on the time of year, has been paved and there is now a sidewalk around the entire island.

In other words, what the Kwajalein Atoll Development Authority (KADA) has done initially is to reestablish an operating infrastructure for the island, so that it can function as an urban community.

PACIFIC MAGAZINE: You've been involved in architectural and design work in the Marshall Islands for many years, but it must be a special challenge to translate into action the development authority's plan for completely redesigning Ebeye. Is that true?

HAWPE: It has been an interesting challenge. At first glance, you would think the problem is fairly simple to define and therefore solve. After all, Ebeye is only a mile long and 750 feet wide, so it's pretty finite. But when you walk around the island and see how overcrowded it is and how many kids there are everywhere, you realize the depth of the problem.

It goes beyond merely trying to establish a minimally comfortable living environment. Health problems were and still are, to some extent, intolerable. Social problems can only get worse, considering that over 60 percent of the population is under the age of 15. There isn't even a public high school yet on the island, and the elementary schools are not large enough or well enough equipped to accommodate everyone.

So, the design of a better community physically is the easiest part really. It's the challenge of how to positively affect the social conditions that will count in the long run.

PACIFIC MAGAZINE: As you got involved in redesigning the whole atoll or island structure, how did it differ from your earlier experiences in Majuro?

HAWPE: Rarely is the opportunity presented—at least in the Pacific islands—to affect the design of an entire community so completely. That's not to say that many master plans have not been written for the various communities there. Ebeye alone has had at least three written in the past 25 years.

But almost always, these documents end up on the shelf collecting dust, and no one ever bothers to pay any attention to them. In Ebeye's case this time, the master planning has included carrying through from conceptual planning to actual implementation of the program, not just the writing of the original document.

It's been an interesting exercise. Not only in designing structures, but in working with the KADA board and other staff members in creating development policies, establishing project priorities

(Continued on page 62)

PACIFIC MAGAZINE—61

Special Report: 'The Reconstruction of Ebeye'

Carleton Hawpe...

(Continued from page 61)

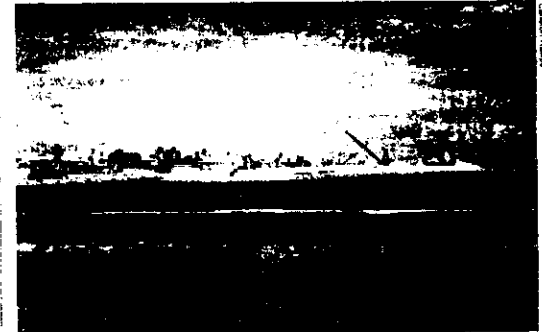
and budgets; finding sources of money in Washington and elsewhere; initiating projects; then being involved in managing the execution of projects to the end. It makes for a very comprehensive experience.

PACIFIC MAGAZINE: Do you think that the real changes are over, or is it possible that the most interesting development is just beginning?

HAWPE: Just beginning. Up to now, and until the new port development and causeway are completed, KADA has really just established the infrastructural platform necessary to support real development. The community is essentially a bedroom community for Marshallese employed at the missile range (USAKA), with only a very basic sector comprised of a few retail stores, bars and restaurants.

It is presently a good 10 years behind Majuro in private sector development. But that's not to say it will take another 10 years to catch up, or even go ahead of Majuro. Now that "things work," KADA has had people coming to it with development proposals. In the past, it was just the opposite.

In 1985, when KADA put out a request for proposals to run a wholesale operation out of a new government warehouse



Dredging is well underway for the new dock area at Ebeye. When completed, the project will add two to three more acres to the atoll.

to stimulate competition on the island, there were only two parties interested. But one of the companies that withdrew then is now interested in building an entire shopping center on Ebeye, if the land can be made available. Quite a reversal in a mere three years.

There are other local merchants ready to build hotels and small shopping complexes, if financing can be arranged. We've got potential interest, believe it or not, in tourism at Kwajalein in specialized sectors like diving and sport fishing. KADA is sponsoring some studies in this area. The authority is also sponsoring a

giant clam project and is getting ready to establish a hydroponic garden on Kwajalein Island, with the hope of raising vegetables for the American community market there. KADA also has plans to develop a fisherman's marina and support facilities to encourage commercial fishing as a local industry.

So even though the community will continue to remain heavily dependent on Kwajalein for jobs—after all, USAKA is its most valuable resource—there is an effort being made to diversify and expand the economy beyond its present limited scope.

PACIFIC MAGAZINE: Is the upbeat business attitude much of a turnaround from years past?

HAWPE: It certainly is. Up until three years ago, Robert Reimers Enterprises (RRE) was the only store that was commercially significant. The first time there was real competition established was when the warehouse I mentioned was leased by KADA to Triple J out of Guam to establish a wholesale outlet that competed directly with RRE.

Prices to consumers on the island have come down a bit as a result. Recently, Gibson's established a store and hopes to expand, and there will be a new company—Central Pacific Traders—establishing a wholesale operation on Ebeye and a retail store on Gugegue in the first quarter of 1990. Once there is more variety of products available, I also think you will see that Americans from USAKA will begin to make shopping



Workers lay blacktop along Ebeye's main road, which was a dust bowl in dry weather or a mud puddle during the raining season. A new sidewalk around the entire island also was built.

62—JANUARY/FEBRUARY 1990

Special Report: 'The Reconstruction of Ebeye'



The U.S. Army's new catamaran, "Jera," transports workers, students and visitors between Ebeye and Kwajalein.

trips to Ebeye. That's a whole new market for the community that hasn't been tapped yet.

But the key to whether this economic growth will be sustainable on Ebeye, is the status of USAKA. Over the past several years, the operations there have been intensified because of several SDI (Star Wars) research programs and the MX missile testing program, both of which may be cut back with the lessening of tensions in the cold war.

If USAKA does cut back as a result, then there will be many jobs lost to Ebeye residents. If that happens, there is small chance that very many people would leave the island to search elsewhere for jobs, except to a certain degree. That is one reason why the leadership is trying to look at ways to diversify the economy. It would be nice to see Ebeye remain a viable community, even with a scaled-down USAKA.

PACIFIC MAGAZINE: KADA has been instrumental in directing the development changes taking place. Why has it been able to be as effective as it has been?

HAWPE: Kwajalein has a very strong leadership—both traditional and elected. This leadership also happens to comprise the seven-member board of directors of KADA. The chairman is Sen. Imata Kabua, who is also the *Iroji* (traditional chief) for Kwajalein. Not only does he

represent all landowners on the islands, but as a member of the *Nitijela*—the national legislature—he also pushes for KADA programs there.

The mayor of the Kwajalein Atoll Local Government (KALGov), Alvis Jacklick, is also on the board, and makes sure KADA projects, once completed, are operating and maintained by the local government.

The chairman of the KADA executive committee is Justin DeBrum, who, as the Republic of the Marshall Islands representative, makes sure that KADA programs are in keeping with RMI policies. There is also Fountain Inok, who is president of the Ebeye Chamber of Commerce; Handel Dribo and Alidrik Maie, two prominent senior landowners, and Sen. Hermios Kibon, also of the *Nitijela*.

There has always been a fairly strong consensus by the board on how to proceed with development of the community, and given the stature of the members, these policies can be implemented with strong community support.

In addition, the board has sought professional personnel for its staff. The executive director, Jehan Riklon, is also a member of the KALGov Council, and intimately knowledgeable of all the local politics.

The technical staff was picked up for their experience, and the entire group—both board and staff—have always prided themselves for being able to work

as a team, even though some of the staff are rather spread out. Actually, this has its advantages. The legal counsel, Scott Siege, is in Majuro and can coordinate with the National Government there. Frank Solomon is the Washington liaison, and is responsible for keeping those in the U.S. Congress and federal agencies apprised of our programs. And I am in Honolulu, where most of the technical resources we use are located.

We then have a construction management division located on Ebeye, managed by Max Howard, and a recently hired accountant, David Blake, from California. We have also had the strong support of a Guam contractor—International Bridge and Construction—who has stayed mobilized at Ebeye over the past six years, and performs the majority of the construction projects there.

I think the combination of the strong leadership and the expertise of the staff and consultants has provided the basis for a successful program. It should also be mentioned that the effort itself is a worthwhile one, and therefore, lends itself to its fair share of outside cooperation.

PACIFIC MAGAZINE: KADA seems to be Ebeye's leaders. Are they the ones who started the development program going?

(Continued on page 64)

PACIFIC MAGAZINE—63

Special Report: 'The Reconstruction of Ebeye'

Carlton Hawpe...

(Continued from page 63)

HAWPE: Exactly. In fact, the whole effort would never have gotten started, had not Sen. Kabua reacted to the total collapse of the infrastructure in 1978, which we talked about earlier. It was his frustration with the utter neglect of the community by the then Trust Territory Government and the military, that he organized the leadership of Kwajalein, hired high-powered legal counsel and went after the U.S. Government.

After years of confrontation, sit-ins and finally, negotiations, agreement was reached on what was reasonable compensation for use of Kwajalein by the U.S. for the missile range. As part of this compensation, \$3 million a year was earmarked for community development, and the Kwajalein Atoll Development Authority was established to administer this program. So the leaders themselves not only got the whole process started, they continue to direct its actions.

PACIFIC MAGAZINE: In early 1988, Tropical Storm Roy devastated Ebeye. Proving every gray cloud has a silver lining, KADA turned the disaster to the advantage of the Ebeye community. How was this accomplished?

HAWPE: With considerable difficulty. First, we had to convince the Federal Emergency Management Agency

(FEMA), which is the federal agency that assists with disaster recovery, that it was KADA they should deal with as the appropriate RMI agency involved. FEMA would have preferred to move in, throw up temporary replacement homes quickly on the sites of the destroyed homes, and get out. KADA in turn, felt that to do this would only exacerbate the overcrowding and uncontrolled development problems.

With the help of President Kabua, we were able to persuade FEMA to first of all, accept a house design slightly above their normal standard but which, as a two-story duplex, was more appropriate

to development on small, crowded islands. We then proposed to build a landfill area for new housing and also build infrastructures on Gugegue to accommodate housing there.

By locating the new housing in these planned developments, rather than putting them all back on Ebeye, we were able to reduce the density on Ebeye somewhat and provide very nice sites for the new homes. To accomplish this, KADA had to reprogram and solicit funds to build the landfill, roads, a new power line over the reef to Gugegue, and water and sewage systems on Gugegue at a cost of more than \$3 mil-



The FEMA-funded duplexes are the center of the planned community on Ebeye's north end.



The recently completed Ebeye Elementary School contains eight classrooms and is the first phase of rebuilding. Eventually, the school will include two more buildings. The first high school for Ebeye is in the planning stages.

64—JANUARY/FEBRUARY 1990

lion. In addition, FEMA insisted that any improvements in the housing design over and above what they normally provide would have to be at KADA and RMI expense.

In all though, there are now 79 new housing units on planned sites that represent the first step toward organized housing development.

PACIFIC MAGAZINE: Building the Ebeye-to-Gugegue causeway has been on the drawing board since day-one as the centerpiece for change on Kwajalein. Yet little has been done to date. How important is it?

HAWPE: It's still the crucial missing link. In 1983, there was a debate on whether to build the power plant or the causeway first. It was decided that the power plant was more critical at that time, because the existing power plant

(Continued on page 66)

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Carleton Hawpe...

(Continued from page 64)

was failing, and the idea of building the desalination feature into the new plant would provide much needed fresh water. I think it was the only choice.

Unfortunately, because both projects cost about \$13 million each, by the time we had funded the first one, there wasn't enough money around to do the second one. The funds used for the disaster recovery program could have gone toward the causeway, had not they been preempted by the recovery effort. After this year, we have to put the majority of the development funds into building a new dock, since the existing one collapsed. So we are still trying to find a suitable way to finance and build the causeway. Without it, the community will never be able to develop as a unit, or with any efficiency.

For the interim, USAKA is extending its ferry boat service to Gugegue for two trips a day, so that workers there can get back and fourth. But this obviously does not take the place of a direct link to Ebeye, where all the community services and facilities now are, especially once Gugegue grows beyond the initial 300 residents to its planned population of about 3,000.

Through the RMI Ministry of Foreign Affairs, we have requested an aid grant from the Japanese Government, and we certainly hope that might be forthcoming. Otherwise, we may have to look to financing, which would effectively double the cost and thereby cut the amount of funds available for the many other projects that are needed.

A third alternative would be to build a less protected and much less expensive roadway over the reef, but this would run the hazard of being washed out in storms.

PACIFIC MAGAZINE: What other U.S. agencies have been supportive of the development work on Kwajalein Atoll

HAWPE: The Environmental Protection Agency has given major grants to upgrade the Ebeye sewer system and participated in the recent Gugegue development with a \$600,000 grant to install sewers there.

The Economic Development Agency has awarded KADA a grant of \$1 million toward the cost of building a new dock, which is projected to cost about \$5 mil-

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Carleton Hawpe...

(Continued from page 67)
the job, especially since it's spread out over 15 years.

Ideally, the major development programs should be completed in the first eight years of the plan, in order to gain the most impact. However, this is not possible with the payment spread out. We could, and probably will, borrow against these funds, but while that gets the projects done faster, it halves the number we can accomplish because half of the money will go to interest on the loans.

So our strategy up to now has been to lobby the U.S. Congress for specific and pressing needs, as well as seek funding from the federal agencies. We have been turned down a number of times, but also received \$1 million towards the causeway and hopefully, \$2 million this year towards the new port project.

We have received funds from the RMI for an eight-classroom building for the Ebeye Elementary School, and hope to get further financial support from them for a much-needed high school facility.

We are also seeking possible loans from banks and looking into the feasibility of a bond issue.

PACIFIC MAGAZINE: Kwajalein leaders point to Gugegue and Ebeye as models of development progress. But realistically, it will still be many years before overcrowding is relieved to a satisfactory extent and living standards improved to an acceptable level. Is that a very distant goal?

HAWPE: I don't think we will ever completely solve the problems of overcrowding on Ebeye. We can help control future development so that it can accommodate growth in a more orderly way and thereby help mitigate the health and environmental problems associated with overcrowding. But the fact is, there is only so much room to expand in and, with the highest birthrate in the world, the population pressures are just too great for the foreseeable future.

I do anticipate that the population rate will start to taper off in the next 10 years or so, but not enough to have much effect. If USAKA cuts back its operations to a caretaker status, that would affect employment, and there could be some out-migration as a result.

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But other than that, all the projections point to growth that will outstrip the resources we have identified. So, it will be an uphill battle all the way. We can only hope that orderly growth will occur, and the living standards of the society will improve to the point where the community, although crowded, will at least be a tolerable and pleasant place to live.

PACIFIC MAGAZINE: In terms of urban development, does Ebeye have any lessons for other Pacific islands?

HAWPE: I think all the island community centers should realize that planning is an important tool. That it isn't a pretty picture of what the future might be, but a day-to-day process that allows a community to knowingly chart its course into the future with a clear idea of where that course will take them.

But the past experience of Ebeye, with its long years of uncontrolled growth and government neglect, shows what can happen to any of the communities if the leaders are not farseeing and careful with how they control progress.

In a more practical sense, the leaders of Ebeye have a clear vision of what they want to accomplish, and they are a small enough group to be able to work together to get it done. This seems to be more difficult to accomplish at a national level, because of the extended government bureaucracies which, because of their size and complexity, tend to dilute the control, and make problem-solving more difficult.

PACIFIC MAGAZINE: As an architect, what do you find most challenging about the development activity on Kwajalein?

HAWPE: From an architectural standpoint, designing buildings that stand up—not only to tropical elements—but to the acute vandalism which results from so many kids on the island.

More generally, it's being involved in all aspects of the program, from prioritizing projects, to seeking funding, through design and construction to final operations. Many times, it's very frustrating to have to forego worthwhile and important projects because of lack of funding. The challenge comes though, in solving these kinds of dilemmas. ■

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Strategic Target System
Draft Environmental Impact Statement

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I am a resident of Kauai, and deeply concerned about the future plans for the S.D.I program at Mawa. I am opposed to any nuclear weapon system on this island. I am very concerned about hazardous material storage and the contamination of the land, water and air. The unique and fragile native Hawaiian wildlife would be severely threatened, if not destroyed, should a catastrophic launch occur.

Please re-consider this expensive and dangerous program. We do not need these added stresses on our environment!

Name Barbara P. Stuart
Address P.O. Box 267 Honolulu - HI - 96714

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

2-265

WR316

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

~~Senator AT&T~~ D.R. Gallien
I like the idea of the Strategic Defense Initiative (SDI) program. I am only concerned about the cost of the program. I think the tax money that is being used to create a new missile defense system is being used to create a new missile defense system. I think the tax money that is being used to create a new missile defense system is being used to create a new missile defense system. I think the tax money that is being used to create a new missile defense system is being used to create a new missile defense system.

Name FANNY LAWRENCE
Address P.O. Box 346 Atlanta, GA 30303

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

Please use your power to stop the program. Also, please put an end to the STAR WARS PROGRAM NOW!

WR317

P.O. Box 327
Lawai, Kauai, Hawaii
April 7, 1992

Dear Senator Inouye and Mr. Heine
I do not support the Star Wars program on Kauai. I do support PMRF and am happy for its presence here. However, Kauai is not the place for such a program as the Star Wars project.

Respectfully,

La Rae Schutt

La Rae Schutt
P.O. Box 327
Lawai, HI 96765

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2-266

WR318



HAWAII CONFERENCE
UNITED CHURCH OF CHRIST

April 13, 1992

TO: Deputy Commander
U.S. Army Strategic Defense Command
FROM: Board of Directors of the
Hawaii Conference United Church of Christ
SUBJECT: STRATEGIC TARGET SYSTEM DRAFT EIS

The referenced document was brought to the attention of the Board of Directors of the Hawaii Conference of the United Church of Christ by its Micronesia Committee at the scheduled meeting of April 11, 1992. The imminent deadline for response to the U.S. Army Strategic Defense Command (postmark by April 13, 1992) precludes a comprehensive response by this Board. However, on the basis of the project description provided by the DEIS, the following specific concerns were expressed:

1. What safeguards have been put into place to protect people in the downrange impact zone in the event of a hazardous situation developing in the course of an operation.
2. Given the increasing concern over the decline in protective ozone layer dimensions, particularly over the Pacific area as a residual consequence of the Pinatubo eruption, we are concerned about plans to release freon (CFC's) in the upper atmosphere during missile flights.
3. Pursuant to the National Environmental Policy Act (NEPA), consultation with potentially affected parties is required. In view of potential health, safety, and socioeconomic impacts on people of the Republic of the Marshall Islands.
 - a. Has the U.S.A.D.C. specifically consulted with the Marshallese general public?
 - b. If so, how has this consultation been implemented? (i.e., Have public notices scoping meetings been conducted in the Marshallese language?)

We suggest that issues raised in this meeting be considered as formal public commentary pursuant to NEPA, and we request a response to these specific concerns.

Your conscientious consideration in this matter will be much appreciated.

Kekapu Lee
President

Norman W. Jackson
Conference Minister

NWJ:KL:mgr

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2

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LISA CERVANTES
P.O. Box 2050
Lihue, HI 96766

April 10, 1992

Deputy Commander
U.S. ARMY STRATEGIC DEFENSE COMMAND,
CSSD-EN-V (D. Gallien)
P.O. Box 1500
Huntsville, AL 358-7-3801

Attn: Henry Cooper

To Mr. Gallien and Mr. Cooper:

I sincerely hope that you do not view mine and other Kauaiian's comments as thoughts that do not really matter. I truly hope and pray with all my heart that you open your minds to the ways in which others see things.

I realize that you have been trained (and trained well) for many years, whether you were trained by military or some other method and through that were led to believe that SDI can and will work, with the proper testing, technological advances and research.

I have examined books, articles and literature on both sides of the national SDI issue, and have concluded that SDI will fail because:

1. Its nuclear strategy is deficient in failing to recognize bomber aircraft, cruise missiles and smuggled warheads. It requires 87 launch sites to be operational, one of which is not yet even in existence.
2. Economically, its main beneficiaries are arms producers, dreamy scientists and top officials, like you, Mr. Cooper, while the hirelings (work force) are fed crumbs from your table.
3. With the Soviets in chaos, we know the Middle East will be our next so-called threat. Americans, military and otherwise; however, are fed-up with seeing government hypocritically marketing arms to "enemies" and then bullying them into war.

You have provided a DEIS and informational literature supporting SDI on Kauai and have listed four major areas that will affect the decision to go forward with the program here or not.

On behalf of Kauai, it has been evident through the public hearings "granted" to us by the Army, the media, and County public forums and hearings, that over 70% of Kauai's population is opposed to this testing in the your stated four major areas:

Environment:

- * Kauai's ozone is depleted by 10% at present. Releasing hydrazine, nitrogen tetroxide and other rocket fuels into the air is foolhardy.
- * The Marshall Islanders oppression is a national embarrassment, and should be reversed THIS MINUTE!

Technical:

- * The Army's DEIS makes NO assurances with regard to public safety or safety of the missiles themselves. Are we to believe there will be no "significant" impact simply because THE ARMY SAYS SO? Why should anyone believe THAT???

Economics:

- * Kauai is a national treasure, a rare and lush tropical garden, not some barren desert. Tourism is our main economic base. To risk the loss of our reputation as a retreat of beauty and peace for the far-reaching SDI research is ludicrous.

Agency-Mission Requirements:

- * What law says you can use Hawaiian lands, bully the State into granting Stars access, and rip-off the taxpayers year after year? If we have any VOICE at all, hear our questions!

We urge you to LISTEN to the VOICES of reason and reality. We pay taxes all our lives and would truly rather see a world without suffering, even if the military needs to work in the streets with the war on drugs and poverty. Send their scientists and technological advances to clean the filthy environment. We need disciplined, fresh, intelligent lands not for war toys but for world health.

Keep our military for our protection, at airports and other city centers where terroristic games create real threats to public safety. Don't forget what happened to Argentina just this year.

I am proud to be on record for OPPOSING SDI with all my intellectual, moral and spiritual might, and hope against hope it will somehow, someday, THIS DAY, make a difference!

AS SINCERE AS I CAN BE,

Lisa Cervantes
Lisa Cervantes

JESSE CERVANTES
P.O. Box 2050
Lihue, HI 96766

April 10, 1992

Deputy Commander
U.S. ARMY STRATEGIC DEFENSE COMMAND,
CSSD-EN-V (D. Gallien)
P.O. Box 1500
Huntsville, AL 358-7-3801

Attn: Henry Cooper

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2. Economically, its main beneficiaries are arms producers, dreamy scientists and top officials, like you, Mr. Cooper, while the hirelings (work force) are fed crumbs from your table.
3. With the Soviets in chaos, we know the Middle East will be our next so-called threat. Americans, military and otherwise; however, are fed-up with seeing government hypocritically marketing arms to "enemies" and then bullying them into war.

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- * The Marshall islanders oppression is a national embarrassment, and should be reversed THIS MINUTE!

Technical:

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- * Kauai is a national treasure, a rare and lush tropical garden, not some barren desert. Tourism is our main economic base. To risk the loss of our reputation as a retreat of beauty and peace for the far-reaching SDI research is ludicrous.

Agency-Mission
Requirements:

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Keep our military for our protection, at airports and other city centers where terroristic war games create real threats to public safety. Don't forget what happened to Argentina just this year.

I am proud to be on record for OPPOSING SDI with all my intellectual, moral and spiritual might, and hope against hope it will somehow, someday, THIS DAY, make a difference!

SINCERELY,

Jesse Cervantes
Jesse Cervantes

WR321

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I THINK IT IS A DISGRACE TO PLACE THE STRATEGIC TARGET SYSTEM ON THE ISLAND OF KAUAI. IT WILL CAUSE DAMAGE TO THE OZONE LAYER AND CREATES AN ATMOSPHERE OF TENSION EVERY TIME YOU WILL CLOSE THE BRACKETS. WE REALLY HAVE VERY FEW IF ANY ENEMIES WHO HAVE OFFENSIVE EQUIPMENT THAT COMES CLOSE TO THREATING US ON SUCH A MASSIVE SCALE THAT WE NEED STAR WARS

WHY DON'T YOU SAVE THE NATION 38 BILLION AND PLAY YOUR GAMES SOME PLACE ELSE

Name Ronald Serle
Address 10 NORTH SLICE Pkwy HAWAII KAUAI 96714
Street Address City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

2-269

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WR322

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

The Star Wars project is wrong both for the time and place at which it is proposed. In an era where the cold war has ended, the Soviet Union has disbanded, the United States deficit is huge, and the military budget is being cut ~ this project makes no sense. Nor does it make sense for small, fragile, balance & Kauai. Any disaster would affect the whole island and only a small mishap would be necessary to ruin the environmental balance and beauty of Barking Sands + Kauai. I do not believe the conclusions of the EIS that launching missiles and dropping their launcher attachments will not affect the area and the wildlife especially turtles and whales which I →

Name Mehana Blaich
Address 2120 KAKELA PL. HONOLULU, HI 96822
Street Address City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

1

have experienced there. An EIS prepared by the army on an army project is hardly unbiased and credible. Please do not do this to our island and to our world which needs trust and peace - not defenses against enemies which no longer exist.

Sincerely,

Mehama Zlaich

P.S. Senator Inouye has said that the people working at PARE now will not lose their jobs if this proposal is not passed - it is not an issue of jobs.

2-270

General Hammond

I'm glad efforts were made at getting the environmental impact statement done. I didn't feel the EIS was done as thoroughly as I would have liked. It didn't include the possibilities of accidents either at the launch site or the fuels travel on the road, water or by air. So have us believe STARS would only damage some ferns and culture is absurd.

I remember not too long ago the damage Hurricane Ina did to our island and to our tourist economy. This was a natural disaster that took us many years to recover from. I doubt we could ever recover from a man made disaster like the one STARS could provide. The damage seems endless. Endangering our plant and animal life, encroaching on a Hawaiian sacred site, jeopardizing our air, water and fishing, and more damage to our ozone layer. All these items are critical to our well being and to the tourist industry. I ask that you do not endanger my life or my families life and put an end to the STARS program.

Thank you
Sunna Makarewicz

WR324

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

Kaui is a place, a place that is calm, peaceful, happy & beautiful. It is not a military station. THINK of all the ways ~~the~~ launching missiles will affect our beautiful Kaui. I've lived there all my life and I don't want to see it be turned like this!

1

Name Meliana Blaich
Address 2120 Kakaia Pl. Honolulu, HI 96822

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

2-271

WR325

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I wonder if the Army has bothered to consult with any Native Hawaiian elders or persons as to their opinion of the damage or lack thereof which installing of these missiles on this land. I feel personally insulted that not one Hawaiian pro or vice was present during the Army's presentation this evening, Jan 14, at Kakaia Community Hall. Once again the Hawaiian people have been virtually ignored and one more injustice has been added to the already long list of previous injustices in Hawaii. We are unequivocally opposed to this system being used on any island of Kaui.

1

Name John R. Kekaha III & Joan H. Butler
Address PO Box 1371 Kapaau HI 96746

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801



For the Protection of Hawaii's Native Wildlife

HAWAII AUDUBON SOCIETY

HAWAII AUDUBON SOCIETY
272 Merchant St., #324
Honolulu, HI 96813
April 13, 1992

Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

Dear Mr. Gallien:

The purpose of this letter is to provide comments on the Draft Environmental Impact Statement for the Strategic Target System program at the Kaua'i Test Facility, Pacific Missile Range Facility on Kaua'i, Hawai'i.

GENERAL COMMENTS

1. Although the Draft Environmental Impact Statement ("DEIS") for the Strategic Target System ("STARS") program discusses the No-Action alternative, it fails to evaluate this alternative in light of recent international relations and global affairs, which cannot be ignored. The No-Action alternative must be re-evaluated in light of these recent developments.
2. The STARS DEIS describes a program that is only part of a larger one. The Army has illegally segmented the STARS program by assessing each component of the program separately, and fails to discuss other STARS programs at the Pacific Missile Range Facility ("PMRF"). Consequently, the Army has prevented meaningful analysis of the cumulative impacts of the program.
3. As in the Environmental Assessment for the STARS program on Kaua'i (U.S. Army Strategic Defense Command 1990), the Army does not include detailed information on safety procedures to be followed in the proposed STARS program. Instead, the Army refers to various plans, regulations, and requirements -- several of which are yet to be developed -- in discussing the effects of the proposed action on public health and safety (see specific comments on liquid propellants below, for example). In the absence of such specific information on safety procedures, regulations, and requirements, it is impossible to evaluate the effectiveness of the proposed mitigation measures.

GENERAL COMMENTS cont.,

4. The Army has failed to conduct recent field surveys of rare and endangered species and their habitats at PMRF and in the general vicinity. Consequently, it is impossible to evaluate potential impacts to the species and their habitats resulting from the proposed action. Furthermore, there is no discussion in the DEIS on the adverse impacts to rare and endangered species in the affected area, within the context of overall populations and statewide distributions.

SPECIFIC COMMENTS

Motor Boosters

1. The alternative involving the remanufacturing of necessary motor boosters is not thoroughly discussed in the DEIS. On the one hand, the Army claims that remanufacturing boosters would be too costly and time consuming, and that the necessary tooling is no longer available. On the other hand, the Army is prepared to refurbish the Polaris boosters for which some tooling is apparently available. The EIS must provide a more thorough discussion on the remanufacturing alternative in order to properly assess this alternative.
2. A history of Polaris A3 launch malfunctions, aborted launches, terminated launches, and other accidents should be included in the EIS.
3. The Army's typical conclusions for virtually every concern relating to the aging and reliability of first- and second-stage motor boosters is that "the proposed protocol of x-raying and refurbishment addresses the issues that have been associated with aging first-second-stage boosters." However, the Army does not provide adequate information on the effectiveness of previous testing, x-raying, and refurbishing. The DEIS should also include evaluations by independent experts and consultants who have no professional or economic interest in the STARS program. This is justified for several reasons. The Army did not adequately discuss aging and booster reliability in its Environmental Assessment. Differing opinions among experts in the field were brought to light in a legal action filed by the Sierra Club Legal Defense Fund against the Army.

Motor Boosters cont.,

4. Regarding the third-stage motor boosters, the Army states that there is not a large statistical data base to address the reliability of the third-stage motor boosters. The Army further states that, because the third-stage motor is newly manufactured, there are no reliability or safety issues associated with its development and use. It would be more accurate to say that reliability and safety issues relating to the newly manufactured third-stage boosters are not known at this time, rather than to say they do not exist. Presumably, the third-stage boosters will be tested and monitored at some point. However, the Army does not thoroughly discuss how, specifically, the third-stage motors will be tested and monitored for safety, reliability, and compatibility with refurbished first- and second-stage motor boosters.
5. The Army also notes in the DEIS that the third-stage motor boosters were designed to have a 5-year storage life without degradation. Since the STARS program is at least a 10-year program, how, specifically, does the Army plan to test the third-stage motors: (1) at the onset of each launch; and (2) after the 5-year storage life period? This information is necessary to evaluate the safety and reliability of the third-stage motor boosters.
6. It is not clear from the DEIS why the Minuteman III boosters would not be able to "transmit encrypted information when flown on a Minuteman III as they are permitted to do when flown on a Strategic Target System vehicle." The DEIS should include such an explanation so that a more complete assessment of this alternative can be made.

Liquid Propellants

7. Throughout the EIS, the Army cites various safety procedures, safety regulations, and standard operating procedures for the PMRF. The Army further states that safety plans will be developed. All relevant information must be included in the EIS. Citations to existing documents and references to plans that have not been developed yet are of little, if any, use in evaluating the program's impacts and the Army's proposed mitigation.
8. Who will develop the safety plans and operating procedures mentioned in the DEIS? Who will review them, and who will ultimately approve them? Will a supplemental statement be prepared upon completion of these procedures and plans? This information is essential in our evaluation of the proposed action and mitigative measures.

Liquid Propellants cont.,

9. Worst-case scenarios regarding spills and accidents involving hydrazine and other hazardous substances must be included in the DEIS.

Launches

10. Criteria by which launch azimuths will be determined should be included in the DEIS.
11. Figures 2-12 and 2-13 (showing PMRF ocean safety zone and STARS ground hazard area) should include existing water and land uses, respectively.
12. The release of hydrazine into the atmosphere (by experimental payload and venting experiments) is not discussed in the DEIS. Although the DEIS states that similar experiments have been conducted previously by the U.S. Air Force for other programs, the DEIS does not discuss the results of the experiments, nor does it discuss why additional experiments are required for the STARS program.
13. The DEIS states that launches will be postponed if endangered Humpback whales (Megaptera novaeangliae) are observed in the area. This means that missiles will remain on the launching pad for an undetermined amount of time, until the whales are no longer in the vicinity. In addition, certain public recreation areas will remain closed/evacuated until the whales are no longer observed in the area. If whales are utilizing the waters during the entire "whale winter season," is the Army proposing to ban STARS launches for the entire season? This could mean prohibiting launches for as long as 5-7 months. It is impossible to assess the impacts to public recreation and safety without knowing, specifically, how long the whales utilize the area in any given season and, consequently, how long launches may be delayed on the pad.
14. The effects of launch emissions should be discussed for sugar cane and other plants in the area.

Air Quality and Hazardous Substances

15. In the DEIS, the Army finds that the amount of ozone-depleting chemicals released by STARS is insignificant when compared to other sources, such as the Space Shuttle launches. Impacts to ozone caused by launch emissions and releases of ozone-depleting chemicals need to be assessed within the context of existing emissions and releases on Kauai and in Hawaii.

Air Quality and Hazardous Substances cont.,

16. Although the DEIS briefly discusses the greenhouse affect, the Army does not compare the increased levels with existing emissions from Kaua'i. As in the case of ozone depletion, the Army finds that levels of carbon dioxide from STARS launches are insignificant when compared to other (global) sources, and significance within the Kaua'i context is not evaluated. 19
17. The DEIS does not adequately discuss potential fish kills resulting from the emission of hydrogen chloride. 20
18. Discussions on wind patterns, launch emissions, and terminated launches should include impact assessments for periods when Kona (or leeward) winds prevail. These winds blow from southerly quadrants and do not follow the prevailing, northeast trade wind patterns. 21
19. The DEIS does not discuss the impacts caused by water deluge systems (used to protect dune and non-native vegetation during launches) on soil and groundwater quality. 22
20. The DEIS does not explain why lead deposition is not a factor in the proposed STARS launches, if this is the case. 23
21. Figures 3-3 and 3-4 should reflect the type of sampling being proposed. 24
22. Table 3-3 should include a column indicating STARS results (per launch). 25

Rare and Endangered Species

23. Thorough field surveys by qualified biologists must be conducted for rare and endangered species in the PMRF area, in order to assess potential impacts to the species and their habitats, and proposed mitigation measures. The EIS should contain maps depicting the general locations of rare and endangered species and habitat, in relation to the proposed action. The maps should be based on the best and most current information, including recent field surveys, which were not conducted in preparing the DEIS. 26
24. Because field surveys of the endangered Humpback whale (*Megaptera novaeangliae*) in waters between Kaua'i and Ni'ihau were not conducted in preparation of the DEIS, it is not possible to assess the impacts to this endangered species caused by the proposed action. The DEIS does not contain adequate information on the use of these waters by whales during a typical winter season, nor does the DEIS discuss the use of the area by cow/calf pairs. Censusing 27

Rare and Endangered Species cont.,

- and research on Humpback whales is currently being conducted by researchers from Moss Landing. Preliminary results indicate that the waters between Kaua'i and Ni'ihau may be very significant for the Hawaiian population of Humpback whales. The DEIS does not mention this information. The DEIS also fails to discuss the proposed action in relation to the overall distribution of Humpback whales in the Hawaiian islands and in the North Pacific. Consequently, impacts to the species cannot be accurately assessed and properly mitigated. 28
25. Site (submarine) surveys of the threatened Green sea turtle (*Chelonia mydas*) should also be conducted in the waters off PMRF, especially in the proposed landing areas at Major Bay and 0.6 mi south of Nohili Ditch. The surveys are needed in order to specifically assess impacts on foraging and resting habitat. Existing information indicates that turtles aggregate or occur in large numbers in the immediate vicinity of the Nohili drainage ditch. The DEIS should include this information, as well as the impacts of the proposed action on the habitat. 29
26. The EIS should also discuss the PMRF nesting occurrences of the Green sea turtle within the context of total nesting habitat remaining on the main Hawaiian islands. The fact that 90 percent of the nesting occurs at the French Frigate Shoals makes it essential to protect any nesting habitat on the main Hawaiian islands. The DEIS does not discuss the potential impacts of lights on gravid females and on hatchlings. Such information is necessary to evaluate the potential impacts to the breeding of this species. 30
27. The DEIS does not discuss the possibility of endangered Hawksbill sea turtles (*Eretmochelys imbricata*) at PMRF. Have recent field surveys been conducted in order to rule out this possibility? Potential impacts caused by the proposed action to this species must also be assessed and mitigated, if it is known or found to occur at PMRF. 31
28. There is little discussion on the impact of noise to endangered Hawaiian water birds (coot, *Fulica americana* alai; gallinule, *Gallinula chloropus sandvicensis*; stilt, *Himantopus mexicanus knudseni*; and duck, *Anas wyvilliana*). Who will prepare the noise monitoring plan mentioned in the DEIS? Will endangered water birds be a consideration in such a monitoring effort? Where specifically will the noise monitoring stations be located? Without this information, we are unable to evaluate the potential impacts to these endangered birds. Furthermore, testing should be done prior to evaluating the impacts and proposed mitigation measures.

Rare and Endangered Species cont.,

29. There is no discussion on the effects of launch emissions on water bird egg fertility and hatchling success. Undoubtedly, research has been conducted on chemicals and their effects on the eggs of similar species elsewhere. Such research results are necessary in assessing the proposed project's impacts on these endangered birds.
30. The DEIS does not discuss the effects of launch emissions on water quality and food sources for endangered water birds in the area. It should also be noted that irritation to the birds' legs and skin (potentially resulting from chemical spills) would be in violation of both federal and state endangered species laws.
31. The subspecific name for the Hawaiian gallinule is sandvicensis.
32. The endangered Hawaiian stilt's foraging behavior is different than that of the Hawaiian coot, gallinule, and duck. It is a wader and utilizes shallow salt-water and mudflats. The Army's evaluation of the proposed action's impacts on the stilt should reflect this distinctive habitat preference.
33. The DEIS does not adequately discuss how the Laysan albatross (Diomedea immutabilis) will be affected by the proposed action. Specifically, how many known courting and nesting habitats of this bird are known from the main Hawaiian islands? How does the proposed action affect the species' breeding? The latter is especially critical in light of the fact that various tactics have been employed over the years to discourage albatrosses from nesting at PMRF.
34. The Army does not discuss the foraging behavior of the endangered Hawaiian hoary bat (Lasiurus cinereus semotus) along the shoreline at PMRF.
35. The most commonly accepted name of the genus to which the endangered Hawaii hoary bat belongs is Lasiurus.
36. The Hawaiian monk seal (Monachus schauinslandi) is not Hawai'i's only endemic mammal, as stated in the DEIS. The Hawaiian hoary bat is also endemic to the Hawaiian islands.
37. The DEIS should discuss the success rates of transplanting Adder's tongue (Ophioglossum concinnum) to "suitable habitat elsewhere," as discussed in the DEIS, so that this mitigative measure can be properly evaluated.

Rare and Endangered Species cont.,

38. Well-developed native strand vegetation is rare in the Hawaiian islands today. Discussion on this ecosystem-type at Nohili should be made within the context of the state-wide distribution of such communities.
39. The spelling of "Brauggman" should be corrected to "Brueggmann."

Land/Water Use

40. The DEIS should discuss alternative sites within PMRF for the STARS program, so that further desecration of Hawaiian burials and other culturally significant sites are avoided.
41. The DEIS does not discuss land ownership of the proposed STARS site or of the PMRF in general.
42. The DEIS should contain maps depicting existing land ownership, lease agreements, county zoning, and important cultural and recreational sites, in relation to the proposed action.
43. The DEIS does not discuss the impacts of the proposed action on: (1) native Hawaiian fishing and gathering rights; (2) subsistence life styles, which depend on the resources at Mana; (3) 'ohana (extended family) networking and sharing of resources; and (4) the future settlement of Hawaiian Homelands at Kekaha.
44. How much additional water (potable and brackish) will be required by the proposed action? Who is currently using these resources, and how will the proposed action affect existing and future users in terms of water quantity and quality? This information is necessary to assess the program's impacts on existing and future water users, including Hawaiian homesteaders.

Thank you for the opportunity to comment on the Draft Environmental Impact Statement for the proposed Strategic Target System. If the Hawaii Audubon Society can be of any assistance, please do not hesitate to call me.

Respectfully,

Marjorie Ziegler
Marjorie Ziegler
Board of Directors

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April 13, 1992

Deputy Commander
U. S. Army Strategic Defense Command
Attention: CSSD-EN-V (D. R. Gallien)
P. O. Box 1500
Huntsville, Alabama 35807-3801

RE: Written Comment on the Draft Environmental
Environmental Impact Statement For The
Strategic Target System dated February 1992

Dear Deputy Commander:

Submitted herewith are my comments on the Draft Environmental Impact Statement (DEIS). Please note that all references in parentheses denote page numbers in the DEIS unless otherwise stated.

INTRODUCTION

Federal actions that significantly affect the human environment require an EIS that addresses the following issues comprehensively and with fairness: 1) the objectivity of the EIS - i.e., Does the affected agency so influence the shape, form, and content of the EIS that it becomes a mission-oriented statement? 2) the consideration of alternatives - i.e., Are the alternatives fully explored and discussed? 3) sufficiency of evidence - i.e., Are inferences and conclusions fully supported and documented by data? 4) omission - e.g., Are "worst case" scenarios and other negative information excluded, thereby limiting full disclosure? 5) a proper statement of economic matters - i.e., Are economic benefits correctly quantified and balanced against possible environmental costs? and 6) conflict of interest - i.e., Is the party that determines the adequacy of the EIS the same party that

prepared the EIS?

The most disturbing element of the DEIS is the imprint of a mission-oriented agency that pervades the DEIS, as evidenced by the following: 1) conclusory statements are made without sufficient data to justify such statements; 2) disclosure is limited so as not to highlight worst case scenarios; and 3) alternatives are not fully explored under the pretense of meeting time constraints imposed by the Missile Defense Act of 1991.

People may differ as to the wisdom of spending so much money and effort on the SDI program. But if the SDI program is to be a burden on taxpayers, that burden should not be one that results in bitterness because of waste or haste. There are already these rumblings of rage. Most importantly, the people of Kauai should have been provided an easily understandable DEIS, one that discloses the full range of possibilities on worst case scenarios together with the asserted benefits. This is lacking in the DEIS.
Inherent Conflict of Interest

There is an inherent conflict of interest when the same agency, either directly or indirectly, both directs the shape and form of the EIS and decides the adequacy of the EIS. The unavoidable tendency and result would be for the EIS to lack objectivity and instead to resemble a mission-oriented statement. Embellishing favorable information and dismissing or not disclosing negative information would become persistent temptations. Conclusory statements without adequate supporting data would result. Because of this inherent conflict of interest, no matter

how clean the hands of the decision-maker may be, there will always be a taint.

The kinds of conflicts described above pervade the DEIS under review. In section 1.3.1 (1-5), the DEIS states that the Director of Strategic Defense Initiative Organization (SDIO), Henry Cooper, agreed to the preparation of an EIS because of the concerns of the public. In truth Mr. Cooper and his office resisted the preparation of an EIS. It should be pointed out that actually it was the Congress that appropriated funds for the EIS and mandated the SDIO to prepare an EIS.

Kauai residents have been informed by Mr. D. R. Gallien that Mr. Cooper's office will be the ultimate decision-maker regarding the adequacy of the EIS. His office should not have the final authority to determine whether the proposed launches will have any significant impact on Kauai. The adequacy of the EIS should be determined by an independent third party.

The Waste of Haste

The deployment of some kind of ground-based anti-ballistic missile program at a base by the year 1996 or as soon as technology permits is the mandate of the Missile Defense Act of 1991. Deadlines often spur activity. But activity made in haste can lead to waste in monies and effort, especially when short-cuts are taken. The DEIS reflects this kind of "rush to judgment" approach in its failure to consider all alternatives in a thorough and careful manner.

Incorporation By Reference

In section 1.3.2 (1-5) of the DEIS, certain documents are incorporated by reference. This is an objectionable practice. If incorporated by reference, these documents should have been attached to the DEIS. Comments should then be permitted on these documents. Incorporation by reference leads to an over-load of information that is not relevant to the DEIS. This practice should not be allowed.

Alternatives

Chapter 2 of the DEIS starts out with the summary statement that "operational, safety, and treaty considerations" left only the proposed action and the "no action alternative" as appropriate for discussion in the DEIS. The alternatives were eliminated from further consideration without being fully explored and discussed. Instead of the cursory treatment given them, the alternatives should have received full consideration. Such brief mention in section 2.3 (2-34) of the alternatives and quick dismissal of these alternatives should not be acceptable. Is it not the purpose of the SDI program to test defense systems against intercontinental ballistic missiles? Or is its purpose to rush to utilize the budgeted amounts under the Missile Defense Act of 1991? If it is the latter, a great waste of energy and taxpayers' monies would occur because testing would take place under less than ideal conditions.

The DEIS developed certain criteria against which the various alternatives were evaluated. These criteria (2-36) must be closely

scrutinized because their wording would tend to narrow the choice to the alternative desired. Through the selection of criteria a mission-minded team can often eliminate certain alternatives. Thus, a review in the DEIS of some of these criteria would be appropriate.

First: Scheduling to meet the time set for the deployment of anti-ballistic missiles should not be a criterion in the DEIS. The stated objective of developing "for deployment a limited ballistic missile defense system by FY'96 or by the earliest date allowed by the availability of appropriate technology" (2-36) is an admission of the SDI objective. Concern with scheduling, however, should not be used to outweigh environmental concerns since the Missile Defense Act of 1991 also talks of "the earliest date allowed by the availability of appropriate technology." (2-36). Technological advancement can be attained without environmental despoliation. Therefore, whether the use of a site would satisfy all environmental concerns should override any consideration based upon meeting a 1996 deadline.

Second: The START Treaty is ripe for amendments. Such amendments could be structured to provide the ideal conditions for testing. Intercontinental ballistic missiles as well as multiple test objects from these missiles would provide the ideal vehicle for testing under the SDI program. Minuteman I and II rockets are scheduled for discontinuance from the weapons system. These ICBM's could be launched from either Vandenberg Air Force Base or Alaska's Poker Flat Research Range. Not only would the SDI program be

testing the very type of long range missiles for which the testing is designed, but the infrastructure and rockets are already available. Therefore, the alternative of treaty modification should be explored and discussed in the DEIS. If the SDI program is aimed at testing ICBM targets, then ICBMs should be tested and not intermediate range missiles. Using the criterion of scheduling and cost limitations (the sixth criterion) only provides an excuse to force a conclusion that "the Strategic Target System vehicle launched from the Kauai Testing Facility (KTF) is the only reasonable option." Is it not because the "rush" is on to spend appropriations that the "forced" option becomes "the only reasonable" option?

Boosters

At page 2-9 of the DEIS, in the discussion of refurbished booster reliability, much more data need to be provided to substantiate the conclusory statements made. For example, a full discussion of the characteristics that are typical of aging solid propellant boosters would be useful. Some negative information is being glossed over by statements such as, "The refurbishment process for each booster is specifically designed to meet original Polaris A-3 flight specifications in the areas of performance, safety, and reliability." Non-disclosure suggests an attempt at cover-up and is certainly unacceptable in an EIS.

First-Stage Booster Reliability (2-9). These are 27 year old boosters refurbished for the SDI program. At minimum, scientific testing should be done by independent third parties and inspected

by independent third parties. Confirmation of safety should be required instead of a reliance upon in-house statements of reliability. Since room for disaster by human error is great, past record of unreliability should also be presented. In the DEIS only affirmative conclusory statements are being made.

Second Stage Booster Reliability (2-10). These are 26 year old boosters refurbished for the SDI program. The DEIS contains an admission that "Some older Polaris A-3 second-stage boosters have experienced failures caused by forward dome burn-throughs," yet fails to provide detailed statistics of failures. Testing results of refurbished booster must be presented. The absence of such test results in the DEIS leaves the reviewer with an uncomfortable distrust of such conclusory statements as the following: "The Strategic Target System second-stage booster refurbishment and static test program has adequately addressed the technical issues that caused concern about using aged boosters. Static firing and subsequent dissection has not only demonstrated the validity of the refurbishment process by meeting all test objectives and success criteria, but it has also shown that the boosters meet the original performance specifications."

Flight Termination

Strategic Target System Vehicle Flight Safety (2-16). The discussion of flight termination over certain circumscribed pathways does not provide comfort. What would happen if a missile went outside its narrowly designed pathway? Under those circumstances all of Kauai would be exposed to the dangers of an

8

abort order due to a failure in the guidance system. Therefore, it would be an appropriate procedure for the logs of the Missile Safety Officer to be made available for review by an outside inspector.

At page 2-16 of the DEIS, the depressurization of booster cases and the directional hole cuts in the liquid fuel tank in the event of an early termination of flight are discussed. Test results, if any should be presented as a malfunctioning destruct mechanism could cause dangerous gases and liquid fuels to be dispersed over life and property.

The launch hazard area described at page 2-18 et seq. is one-directional. In the event of a misguided flight, the launch hazard area could easily be expanded to cover the islands of Kauai, Niihau, and other islands in the Hawaiian chain. To designate the launch hazard area in the one-directional manner shown is probably adequate, as long as there is no malfunctioning of the guidance system. How did the Pacific Missile Test Center (PMTTC) at Point Mugu, California arrive at its designation of the launch hazard area as described in the DEIS? A thorough explanation of the factors PMTTC used in defining the launch hazard area should be presented.

The ground hazard area described at page 2-18 et seq. is arbitrarily set. A 10,000 feet maximum arc is used (Fig. 2-13 DEIS). The simulation program used to compute the dispersion of debris from a point of early termination must have assumed only one point of early termination. No data is presented as to alternative

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2-279

WR327 (cont.)

points of early termination so that the conclusion as to the size of the ground hazard area is unsupported. The conclusion that "The risk to the public from the falling debris of a flight that has been terminated is extremely remote" is not substantiated by data. Even if the ground hazard area is as circumscribed in Figure 1-13, both Polihale Park and the State of Hawaii lands are being exposed to danger and deprived of their maximum use potential. The residents of the State of Hawaii would be denied use of Polihale Park every time a launch is planned. The State of Hawaii would be denied access to its lands as well.

Deprivation of Ownership Rights and Incompatible Land Use

The use of PMRF for the launching of rockets of the size required for the SDI program constitutes a taking by the military of lands belonging to the residents of the State of Hawaii. PMRF is a long sliver of land without the land mass needed for the launching of SDI rockets. One need only look at Figure 2-13 to see the fallacy of using a narrow finger of land for the launching of intermediate range rockets. It may have been a different story when smaller rockets were fired. Intermediate range rockets call for vertical flights, more fuel, etc. The extension of the ground hazard area into Polihale Park and State of Hawaii lands causes neighboring landowners to lose the right to use and occupy their lands. This is an important issue for the residents of Kauai and must be addressed by SDIO and fully discussed in the EIS.

The importance of land ownership is also reflected in the necessity for the State of Hawaii to execute two documents: the

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14

WR327 (cont.)

Memorandum of Agreement (Appendix B) and the Grant of Easement (Appendix C). Both of these documents seem to be after-thoughts, the realization by SDIO that the launches intrude into the ownership rights of the State of Hawaii. Both of these documents have not been signed. It would be against the interest of the State of Hawaii to enter into these agreements. SDIO should realize that the launching of intermediate range rockets from a small finger of land, like that of PMRF, is inappropriate. The State of Hawaii, in its fiduciary role as title holder to certain ceded lands, would be remiss if it were to burden its lands with such an easement.

Flight Termination (2-25). No empirical data are presented that upon early termination of the first and second stages fragmentation would occur as stated in the DEIS. Besides missile dispersion, the explosive dispersion of dangerous hydrazine and other chemicals could cover a wide area of Kauai. Gregory Feeley aptly described it in the March 1992 issue of The Atlantic magazine in discussing the Challenger disaster:

. . . as the Challenger disaster showed, a rocket, however complex its computerized regulatory systems, is essentially a space capsule sitting atop an enormous bomb, which is burned slowly rather than detonated all at once (42).

An explosion over the launch site would be highly destructive and significant to Kauai because of Kauai's small land area, fragile land and sea environment, and conflicting land ownership and land use claims adjoining the launch site.

The explosive consequences are not only possible but probable

15

inasmuch as ground zero to pitch maneuver does not occur for at least 2.18 seconds of vertical flight. (See 2-25). This is the moment of greatest danger to Kauai from a bomb-like explosion. What that explosive force would be is a function of flight time. The first stage is stated to weigh 24,300 pounds at lift-off. (See Appendix D). In view of this kind of danger that is present at the first stage, scientific and empirical data of safety precautions at this stage are profoundly lacking.

Flight Trajectory (2-25). There are instances of guidance systems going awry. According to the DEIS, it will take 15 seconds of flight time for the flight vehicle to clear Kauai. This means that during a period of approximately 12 to 13 seconds a guidance system error can occur, assuming that no other guidance error occurred during the two to three seconds of vertical ascent. This is another point of extreme danger since either Kauai or Niihau could be exposed to the ruinous effects of early termination. A comprehensive EIS would include data of other early terminations.

Payload Flight (2-26). The release of dangerous hydrazine is for experimental purposes. As such, what empirical data there are have to come from other studies. The U. S. Air Force has conducted similar experiments. Why are these results not summarized in the present DEIS?

Modifications To The Proposed Action

Modifications to the Proposed Action To Reduce Environmental Impacts (2-29 et seq.). Without third party continuous monitoring and reporting, the actions to address public concerns are easily

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buried in a bureaucracy. This is especially so because of two reasons: first, many of the statements made in this DEIS are predictive and the actual must be compared with the predictive; second, the proposed launchings are continuous for over a 10 year period. Therefore, independent third party inspections and monitoring by trained people reporting to the public should be provided and paid for by the SDI program. The DEIS makes no provisions for continuous monitoring and inspections.

Not all of the environmental concerns of the public have been addressed. The modifications outlined in the DEIS are inadequate because they cannot rectify what are essentially inconsistent uses of land. The launching of rockets under the SDI program from PMRF highlights the incompatibility of intermediate range rocket launches with land use and land ownership rights of neighboring land owners.

One need only look at Figure 2-16 on page 2-30 of the DEIS to get the flavor of this incompatibility. Dangerous hydrazines and nitrogen tetroxide are but yards away from non-PMRF property. Are such dangerous chemicals as well as noise and blast activities compatible with adjoining agricultural use, recreational activities, and residential use by Hawaiians under the Hawaiian Homes program as well as by other residents?

The transportation of hydrazines and nitrogen tetroxide to the PMRF is given only superficial attention in the DEIS. More data should be presented of the danger to life and property in the event of accidents and the proposed action to address the damage

19

resulting from accidents. This section displays either an unconcern with the dangers of accidents or else a desire not to discuss this matter fully (2-34).

Affected Environment

The affected environment is described in Chapter 3 of the DEIS. Areas of concern are identified as geology and soils, water resources, air quality, biological resources, cultural resources, noise, hazardous materials and waste, public health and safety, infrastructure, and socioeconomics. Only certain of these areas of concern will receive comments.

In the section on land use (3.6), the region of influence is defined to include KTF/PMRF, Polihale State Park, and the coastline to the Waimea River. Not included are the areas adjacent to PMRF - lands held by the State of Hawaii under the Department of Land and Natural Resources and the Hawaiian Home lands east of PMRF. The region of influence for land use purposes, at minimum, should be expanded to include these lands adjoining the PMRF. The proposed launches represent a significant increase in the use of PMRF. Such increased use will affect not only Polihale State Park and the coastline to the Waimea River, but also the State of Hawaii lands and the Hawaiian Home lands.

The inclusion of the above lands in the region of influence provides a better picture of the conflict of land uses within this newly defined region of influence. The State of Hawaii lands, for example, are presently leased to Kekaha Sugar. The lease expires on December 31, 1993, and the lands could possibly be converted to

other agricultural and residential uses. Similarly, the Hawaiian Homes land approximately three miles away from PMRF could be settled with farmers and ranchers. The launching of intermediate range rockets under the SDI program is incompatible with agricultural, ranching, residential and recreational uses within the properly defined region of influence.

At page 3-35, the DEIS states that PMRF operates on lands set aside under two Territory of Hawaii executive orders. The DEIS continues with the statement that "public access to the shore be permitted for fishing. However, PMRF is allowed to deny access to the shore under the executive order during hours of hazardous operations." (emphasis added). The DEIS then describes how PMRF divides its coastline into three recreational areas (See Figure 3-9, 3-37) and sets hours for their use and restricts access whenever "hazardous operations" are being conducted (3-35). What do these executive orders really say?

The executive orders read, in pertinent part, as follows:

The land herein described is set aside upon the understanding that access to the shore for the purpose of fishing will be denied only on the portion used for bombing and that only while same is actually in progress or about to commence. (emphasis added).

How should the underscored language be interpreted?

First: the language of the executive orders is stated in the affirmative as to "access to the shore for the purpose of fishing." The only exception to this affirmative reservation of right of access to the shore is the denial of access to the shore "only on

the portion used for bombing and that only while same is actually in progress or about to commence." PMRF, by setting hours of use for the different recreation areas, is denying access to the shore even while there is no bombing or, for that matter, while there is no "hazardous operation."

This is contrary to the wording of the executive orders. While there is no bombing, any barrier to access to the shore, whether it be physical, temporal, or otherwise, is contrary to the wording of the executive orders.

Second: the denial of access to the shore can be imposed when "bombing" is in progress or about to commence. The DEIS uses the term "hazardous operations" as justification for the denial of access to the shore. Of course, no one would suggest that safety should not be a concern. PMRF is using the term "hazardous operations" as justification for a denial of access to the shore. This policy, used in conjunction with an already existing restriction on the hours of use of the recreational areas, effectively leaves little meaning to the term "access to the shore."

There is a danger in equating "hazardous operations" to "bombing." Most everyone can agree what a "bombing" is. Not everyone will agree on the definition of "hazardous operations." By loosely construing the term "hazardous operations" the PMRF can deny access to the shore in a manner contrary to the terms of the executive orders. The right of access to the shore will erode as PMRF conducts more and more "hazardous operations" at the base.

Table 3-5, on page 3-38 of the DEIS, shows the effect of PMRF's imposition of a permit system and the restriction on the hours of access, and the denial of access during "hazardous operations." Undoubtedly, many more residents would seek access to the shore if these restrictions were not in place.

Aesthetics

DEIS limits its discussion of aesthetic impact to the visual impact of the launch pad. Other aesthetic concerns such as noise, the fear of a serious accident, and the misuse of land and natural resources have been overlooked in the DEIS.

The DEIS fails to consider the impact of noise upon future residences on the adjacent State of Hawaii lands and on Hawaiian Homes lands. The launching of intermediate range rockets at PMRF would cast an unmistakable blight upon these neighboring lands. Safe levels of noise under U. S. Army Regulation AR 200-1 are not the same as desirable levels of noise for farming, ranching, and residential use.

Region of Influence For Public Health and Safety

The region of influence for public health and safety concerns is defined in Section 3.10 (3-44). The areas that could be affected must be enlarged inasmuch as errors in the launch operations could affect areas outside the launch hazard zones.

In discussing the First-Stage Booster (4-48), the DEIS asserts that migration of nitroplasticizer into the insulation could caused insulation and booster case burn late in the first stage burn. "Such an event would cause the booster to lose forward thrust and

possibly veer off course." (4-48). There is no discussion of the possibility of the rocket veering off course early in the first stage when the rocket is over the island of Kauai. In fact, there are no data presented that this will not happen.

In a similar vein, conclusory statements are once again made about case insulation separation problems and the failure of hydroburst and static firing tests to test the aging of the boosters. Details of the various tests, if available, should have been presented.

The greatest concern in the discussion on pages 4-50 and 4-51, is the statement, "In the unlikely event that the first stage is terminated, it is still improbable that the second stage would detonate. The second stage would be susceptible to detonation only if the booster were broken up into fragments that hit a very hard object while flying, or hit a hard and heavy object on the ground." Probabilities are discussed in theoretical terms. Assurances based upon study and data derived therefrom should be presented inasmuch as early termination of the first stage could detonate the second stage over Kauai. This could be a major disaster. Therefore, thorough testing and more data need to be presented in the EIS.

Similarly, the statement, "It is also unlikely that either a command destruct, using the flexible linear-shaped charge of the flight termination system, or a secondary detonation, resulting from the rupturing of the liquid propellant fuel tanks, would cause a detonation of the second-stage propellant." (4-51) is also conclusory. The fact that "no Polaris second-stage booster has

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ever detonated directly as a result of case rupture or use of shaped charge" is not sufficient. A full range of knowledge in this area should be presented.

There are two occurrences that could definitely constitute a significant impact to the human environment - the rocket flying off course or an explosion occurring. Two considerations are used in analyzing the booster debris pattern of an explosion: 1) the speed and trajectory of the booster; and 2) the amount of time the Range Safety Officer has to detect a problem and to take action to terminate the flight. (4-52). Three scenarios are then considered (4-52 and 4-53). Termination at any stage would be undesirable. However, it is Scenario Two, "Early flight Termination After Lift-Off" and Scenario Three, "Pitch Back Over the Island" that bear commenting.

Scenario Two. The ground hazard area is shown on Figure 2-13 (2-23). If we use the ground hazard area defined in the DEIS, the debris pattern under a controlled and prescribed termination would nonetheless intrude over a portion of Polihale State Park and the State of Hawaii lands. See both Figure 2-13 (2-23) and Figure 4-5 (4-54). The Range Safety Officer uses a 3.5 second reaction time to detect a malfunction and to terminate the flight. (4-53). Besides a reaction time prolongation, there could be a failure of the termination device. Should this occur, what would be the consequences? Could not the rockets return back to Kauai? This problem of a failure to pitch and the failure to trigger termination needs to be explored and fully discussed with data to

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WR327 (cont.)

support various possibilities.

Scenario Three. In this scenario a pitch of 20% from horizontal is hypothesized, and the statement is made that vehicle flight could be terminated up to 15.1 seconds into flight and still provide a debris pattern within the ground hazard area. In both Scenarios Two and Three the damage to surrounding lands would not be acceptable even within the prescribed ground hazard area. But with the potential for a larger hazard area the damage may be so great that the project proposal may have to be scrubbed. In Scenario Three what would be the consequence of different degrees of pitches and the failure of the destruct device? Again, the rocket could return back to Kauai or some other island in the Hawaiian chain. The problem of a pitch in the wrong direction, particularly back over the island, and of the failure of the destruct mechanism to trigger termination needs to be explored and discussed in full with data to support various possibilities.

All three of the scenarios mentioned in the DEIS (4-52 and 4-53) lack supporting data. A confident statement is made that "if a flight is terminated, the effects will be confined and will not affect any populated areas of Kauai or Niihau." (4-53). How can this statement be made with such assurance when, almost in the same breath, a subsequent statement is made that there is an over all system reliability of 97%. In other words, not only is there a probability of at least one early termination occurring, there is the probability of other scenarios happening, other than those stated in the DEIS. The consequences from these scenarios could

WR327 (cont.)

be devastating for Kauai and for the State of Hawaii. Why are these worst case scenarios not mentioned in the DEIS? Uncertain and unknown impacts need to be explored thoroughly in an EIS. Full disclosure requires the discussion of all eventualities. Instead of such a thorough discussion, only confident and glowing conclusory statements are made in the DEIS.

Transportation of liquid hydrazine and nitrogen tetroxide (4-58 through 60) under certain circumstances will be by an overland route from Port Allen to PMRF via Route 50. Safeguards on Route 50 are not adequately covered in the DEIS. Specific steps to protect the public from accidents, leaks, and spills need to be spelled out. Even with safeguards established, there will still be grave reservation about the use of Route 50, for Route 50 is the one and only roadway between Port Allen and Kekaha.

The effect upon lands adjacent to PMRF caused by propellant spills adds another dimension to the issue of incompatibility of intermediate range rocket launches from PMRF and the use of lands neighboring PMRF. Propellant spills add to the risks of further blight on the value of the neighboring lands. See, for example, Figure 4-10 (DEIS 4-69).

Socioeconomics

The discussion of socioeconomics under Section 3.12 (3-48-52) and Section 4.12 (4-73 and 4-74) needs modification. The space devoted to PMRF's employment activity is disproportionate to the space devoted to that of other employers on Kauai. The importance of PMRF's contribution to the economic life of Kauai is overstated

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and suggests that without the SDI launches, PMRF will close down. In fact, outright statements to that effect have been circulated in the community by proponents of SDI. The contribution to the economy of Kauai that the SDI launches would have, not the contribution that PMRF has had prior to the SDI launches, is the issue at hand.

Several questionable items exist in Section 4.12.1 (4-73). The DEIS states that "Given personnel expenditure profiles, four launches a year could generate up to \$0.9 million annually in additional spending in the surrounding communities." This figure appears over-inflated, but without economic analysis, it is difficult to make any comment. The DEIS requires a more detailed economic analysis instead of the lengthy write up on PMRF.

Similarly, a survey should have been conducted on the effect on tourism should an accident occur during an SDI test launch. Comprehensive data should have been presented on this very important question instead of just a parenthetical conclusive statement that the Challenger disaster had no effect on tourism in Florida.

CONCLUSION

The DEIS fails to meet the standards of an objective and properly documented environmental impact statement. Until the issues are properly addressed, no launches should be allowed.

Respectfully submitted,

Clifford I. Arinaga
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34

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STATEMENT PREPARED FOR THE STS HEARING ON THE DRAFT EIS

My name is Tom Norris and I am a researcher affiliated with Moss Landing Marine Laboratories in California. For the last two years I have been studying humpback whales off the southwest coast of Kauai, including the waters off PMRF. This study is part of a four year effort initiated by Sal Cerchio, a research associate also from Moss Landing Marine Laboratories. Our research is the only work of its kind which has been performed on the island of Kauai investigating humpback whales. Although data from this project has yet to be fully analyzed, I feel that it is important to present some of it here, as it is some of the only data for the waters directly off PMRF/KTF.

I have reviewed the draft EIS and am concerned that there are some serious deficiencies regarding potential impacts on the federally protected and endangered humpback whale.

My specific concerns are as follows:

- Section 3.4.3 - a summary of relevant humpback whale information;
 - The first paragraph presents outdated information about concentrations of whales in the Hawaiian islands from an aerial survey study performed from 1977 to 1979 by Baker and Herman(1981) from the University of Hawaii.
 - It states "they recorded 41 whales in 1977, 40 whales in 1978 and 133 whales in 1979."
 - These data are grossly misrepresented because the figures represent absolute counts from the survey. These raw data were never intended to be used directly to represent population sizes of humpback whales. They were obviously intended for the purpose of comparing relative concentrations of whales among different areas in the Hawaiian islands.

In the third paragraph of the same section(3.4.3.2), the draft EIS again inaccurately presents information about concentrations of humpback whales, stating:

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"They (*humpback whales*) concentrate in the four island area (Maui, Molokai, Lanai, Kahoolawe), Penguin Bank, Niihau, and northwest Hawaii."

- First, it is unclear whether "northwest Hawaii" refers to the NW Hawaiian Island chain (atolls) or the island of Kauai.
- Second, recent studies conducted for the National Marine Fisheries Service have shown a dramatic shift in the distribution of humpback whales (Mobley and Bauer, 1991).

A thorough review of humpback whales should have included a recent paper presented by Dr. Joe Mobley (Univ. of Hawaii-West) and Dr. Gordon Bauer last december at the 9th Biennial Conference of the Society of Marine Mammology.

-This study replicated the methods used in the '77-'79 aerial study by the U. of Hawaii to count whales, so that any changes in the relative number of whales using different areas could be easily compared.

-More importantly, Mobley's study began in 1990 (well before the completion of the Draft EIS report) and will continue through this year. It therefore presents data from only 2 years ago as opposed to data which is over 12 yrs old.

Results of Mobley and Bauer's Study:

-Mobley found that the Kauai-Niihau area, including the area directly off PMRF and Nohili dune, had among the highest whale concentration of any area in the Hawaiian island. In fact it ranked second out of five areas examined, with regards to number of whales sighted per hour (a measure of whale density.)

-Furthermore, the Kauai/Niihau region showed a 200% increase from the 77-79 study by the U of H.

-Preliminary data from the '91 and ongoing '92 aerial survey's support these findings.

Results from our study (Cerchio 1991&1992, unpub. data)

-Raw data from the last two years ('91 & '92) of our study support the recent aerial survey results.

-These data indicate that ~~388~~ out a total of 644 humpback whale sightings (greater than half) were located between Nohili dune and Kokole point, (east of PMRF). This is significant because less than half of our survey effort and less than one quarter of the area we survey encompasses this region.

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The Navy proposes mitigation with respect to humpback whales. I would like to commend the ARMY on their proposal for mitigation measures. As Section 4.4.4.3 states:

"Prior to launch, the US Navy will survey the first stage impact areas and the launch safety zone. Any whale or sensitive species observed in this area will cause the launch to be delayed."

-Figure 2-12 of the draft EIS shows the safety zone extends approximately 3 nautical miles from the shoreline of KTF.

-It is apparent when examining Fig. 3 of Mobley and Bauer's study(1991), this region coincides with the area of highest concentration of humpback whales off Kauai.

-The results of the aforementioned studies and my personal observations strongly suggest that concentrations of whales are so high that it would make it unlikely not to sight whales in the established safety zone during the wintering period for humpback whales (Dec. - April.)

-This would therefore preclude any launch of missiles during this period.

I am concerned that the U.S. ARMY S.D.C. could circumvent this problem by using unqualified personnel to sight whales. As section 4.4.4.3 states:

" Prior to the launch, the U.S. Navy will survey the first stage booster impact areas and the launch safety zone."

Therefore, I strongly urge that the ARMY use experienced observers to survey whales and other marine mammals. The National Fisheries Service and the U. of Hawaii have access to many qualified personnel with necessary qualifications and experience.

Additionally, I would like to propose that the ARMY use PMRF's and the NAVY's excellent acoustic monitoring equipment already deployed in the region to verify if whales are in the area. Our research indicates that wintering humpback whales sing almost continuously throughout the breeding season. Whale songs in the area would indicate presence of whales which may not be detectable from surface observations.

Another inadequacy of the draft EIS is the lack of any mention of potential effects on humpback whale mother/calf pairs. Recent research has demonstrated that mother/calf pairs are especially susceptible to human-related disturbance (Glockner-Ferrari, 1991). Since it is also well known that mother/calf pairs prefer very near-

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WR328 (cont.)

shore, shallow water, usually less than 10 fathoms, it would seem very likely that disturbance related to STS could negatively impact whales. Such impacts include effects from boat activity related to clearing the nearby safety zone and transport of fuels and related chemicals via boat and/or landing craft.

Furthermore, no mention of increases in boat traffic affiliated either directly or indirectly with the launch is mentioned in the draft EIS. This also has the potential to have an impact on humpback whales especially when considering that, as with all whales and dolphins, their primary sensory mode is acoustic.

Finally, as a marine biologist I am concerned about impacts to other marine mammals which we know rely heavily on the area around KTF/PMRF. Bottlenosed dolphins, spinner-dolphins and spotted dolphins all of which are protected under the Marine Mammal Protection Act, are frequently sighted in the area.

Considering the inadequacies and misrepresentations in the draft EIS I support the no-action alternative and propose that no further missiles be fired from PMRF or KTF until the issues are properly addressed.

Signed

Tom F. Norris

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WR328 (cont.)

Literature Cited

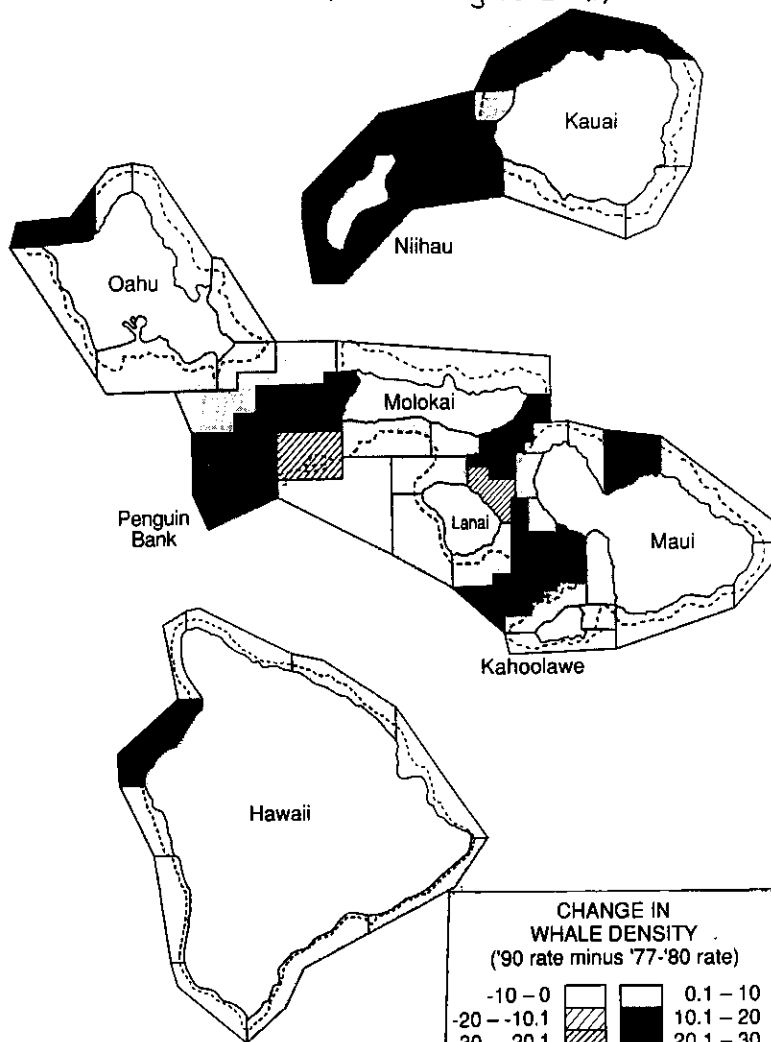
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Mobley, Jr., J.R. and Bauer, G. B. 1991. Changes in distribution of humpback whales on the Hawaiian wintering grounds: 1990 aerial survey results. Paper presented at the Ninth Biennial Conference on the Biology of Marine Mammals, Dec. 5-9, 1991, Chicago, IL.

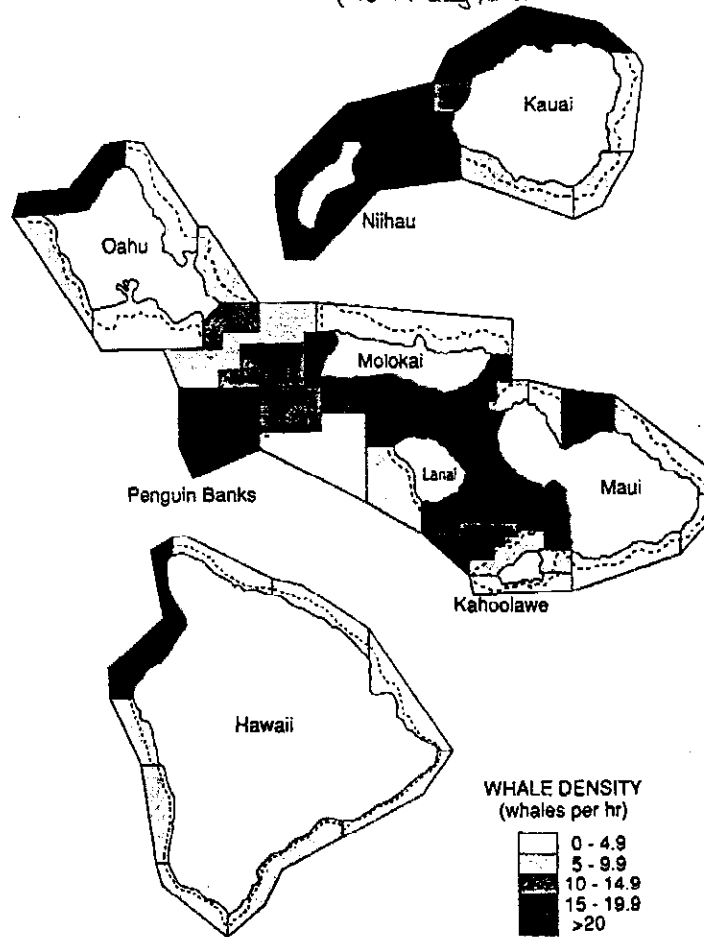
WR328 (cont.)

CHANGE IN WHALE DENSITY (1990 Rate -- 1977-80 Rate) (From Mobley & Brewer 1991)



WR328 (cont.)

1990 SURVEY RESULTS (From Mobley & Brewer 1991)



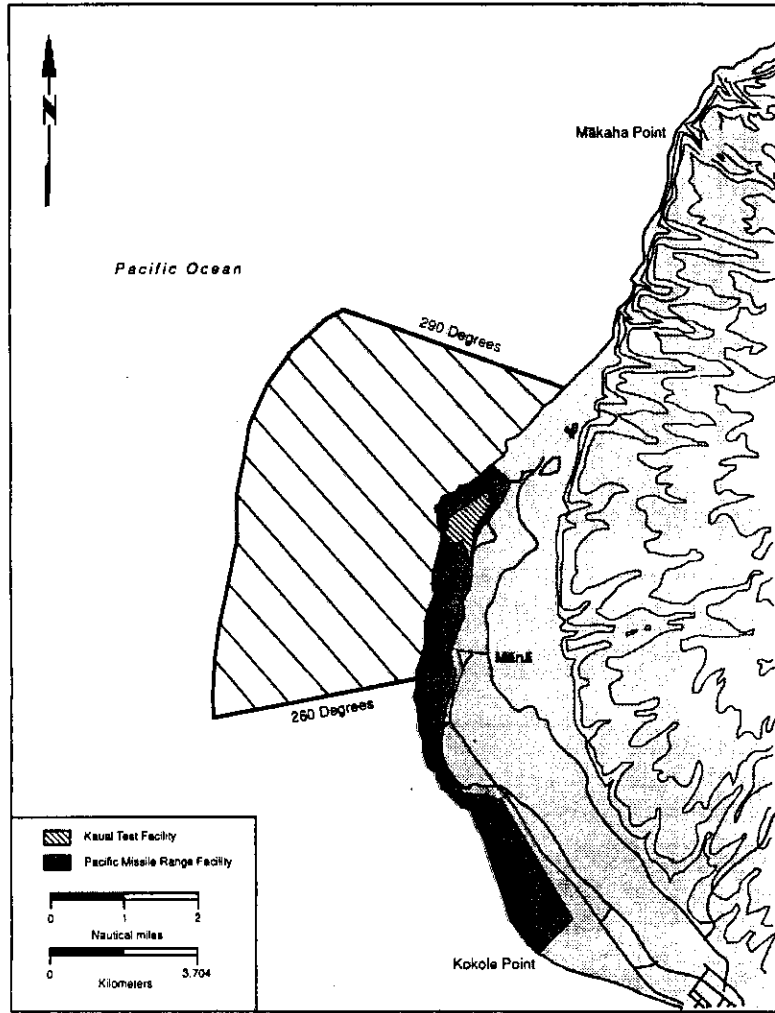


Figure 2-12. Pacific Missile Range Facility safety zone.

2-290

April 20, 1992

Lt. Gen. Robert D. Hammond, USA
 Commander, U.S. Army Strategic Defense Command
 P.O. Box 15280
 Arlington, Virginia 22215

Dear General Hammond:

The following comments have been sent to me with respect to the Strategic Target System (STARS) program and the STARS Environmental Impact Statement (EIS). I am forwarding these comments to you because I think it is important that the Department of Defense (DoD) have the broadest understanding of the feelings of the citizens of the State of Hawaii on these matters. I also would appreciate it greatly if the Army would consider and address, as part of the "public comment" process, those statements which raise specific concerns regarding the Draft EIS. Please keep me informed about your specific responses to these statements.

Thank you for your attention to these important matters.

Sincerely,

Daniel K. Inouye
 Chairman
 Senate Appropriations
 Subcommittee on Defense

To:

DANIEL K. INOUE, SENATOR
U.S. SENATE
WASHINGTON, D.C. 20510

2-291

KAWAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES
TO KAWAJALEIN ATOLL



MISSILE WARHEAD IMPACTS IN THE
KAWAJALEIN ATOLL

Pg 1 thru 3

4/4/92

Dear Senator Inouye,

I have been a resident of Hawaii for almost nine years. I live on the Island of Kauai and I'm against the installation of the "Star Wars" program on this Island. I feel that there are too many dangers including the transportation of dangerous chemicals on our roads, the contributing of deterioration or depletion of the ozone layer because of the Freon (114B2) being released in our atmosphere by the missile launches and most of all because of the continued use of the Marshall Islands as the target area. It's heartbreaking to know that the Marshallese people have been forcibly taken from their homeland and herded like sheep into a small confined area the size of Ala Moana shopping Center.

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I also don't want incoming missiles. Also the Hawaiian land in that area - (at the missile launch pad sites) is the Noheli Dune - the most sacred spot on Kauai to native Hawaiians. This area should not be disturbed.

The EIS study is biased and very inconclusive "to say the least". The EIS asserts that there was "no significant impact..." to geology and soils, water resources, air quality, biological resources, cultural resources, land use, visual resources, noise, hazardous materials and waste, public health & safety, infrastructure & socio-economics (table 2-3, pp 2-39-40). Yet, after stating this, there were no quantitative figures to back up these statements!

I had the opportunity to be at the first meeting on Tuesday night. I stayed from 6:30 PM to 12:30 AM which was the time that the meeting started and finished. A lot of people got up and spoke and I noted that a lot of supporters or "yellow shirts" were military personnel. I want you to know that I'm not anti-military since I was in the Marine Corps for four years during the Viet Nam Era. I feel, however, that the military personnel had no business being at these meetings. Military personnel are "close" or instruments of the Government. If you took

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away the military personnel, the residents of Kauai, and against the Star Wars Program. The residents of the Island of Kauai and not the transient "bought & paid for" military personnel should decide this issue. The civilians who live here are the ones who have a stake in this land. They are residents of this state and deserve to be the only ones who decide this issue.

Senator Inouye, you must fight for the safety and welfare of this land and its people. I beg of you to fight this thing and not let the Government make Kauai a missile launching facility and dumping ground or site for hydrogen/nitrogen peroxide and other hazardous rocket fuels. This Island of Kauai is a precious National Treasure. Kauai is a rare, lush tropical Garden, one of the last remaining rain forests and it would be sacrilegious to use this tropical garden as a launching pad for antiquated and dangerous Polaris missiles.

Thankyou, Senator Inouye, for reading this letter. I have also enclosed some interesting information from reputable sources concerning major faults of the Star Wars Program.

Louis A. Perotta Jr.
P.O. Box 1705
LHI 96766

Respectfully,
Louis A. Perotta Jr.

A Safety Net Full of Holes

It seemed like a good idea at the time. In a speech on March 23, 1983, President Ronald Reagan described his vision of "intercepting and destroying" strategic ballistic missiles before they reached our own soil... an effort which holds the promise of changing the course of human history. Nicknamed "Star Wars," the defense shield would replace the terror of mutually assured destruction (MAD) with the promise of demolishing any missiles coming America's way. From the start, though, many physicists and military officers warned that Star Wars was technologically impossible. Now, \$30 billion later, there's evidence that the Strategic Defense Initiative Office (SDIO), as the Star Wars command is known, saw the flaw all along—and knowingly masked the program's failures and overstated its progress just to keep the money rolling in.

Engineer Aldric Saucier, who was fired from the SDI program last month, described in an op-ed piece in *The New York Times* last week a conspiracy within SDIO worthy of an Oliver Stone movie. He accused SDIO of "systematic illegality, gross mismanagement and waste, abuse of power and the substitution of political science for the scientific method." He said SDIO officials took money allocated by Congress for one program and spent it on another, and falsified data about the efficacy of such marvels as the X-ray laser in order to keep the dollars gushing in. In an interview with *Newsweek*, Saucier detailed allegedly false statements made by SDI officials about the effectiveness and cost of various systems, leading to underestimates of between \$22 billion and \$1 trillion. He charged that SDIO kept expenditures off the books, destroyed or hid thousands of scientific reports and data, and deliberately covered up fatal flaws in the systems. Saucier, chief scientist for Advanced Technology and Architecture for the army's Strategic Defense Command, concludes that Star Wars will never provide an impenetrable umbrella against nuclear missiles.

Pentagon scientists criticize Saucier's work and even question his sanity. SDIO will not comment on his allegations, however, until the U.S. Office of Special Counsel, which investigates whistle-blowers' charges, finishes its inquiry into Saucier's firing. As far as SDI goes, however, Col. Simon P. Worden, the program's deputy for technology, calls it "one of the best managed" advanced technology programs in all of government.

Battle stations: Doubts about SDI are not exactly new, however. From the beginning, Defense Department advisers such as physicist Richard Garwin of IBM have pointed out that a perfect nuclear shield either defied the laws of physics or relied on weapons that could be easily neutralized by Soviet countermeasures. Defensive battle stations in space would be easily shot down. Missile killers designed to pop up into space when an enemy launches ICBMs couldn't get aloft high enough and fast enough to intercept the missile before it spewed out multiple warheads. Claims for SDI, says physicist Theodore Postol of MIT, have "proven to be false and made without technical or scientific merit." Exotic new lasers, neutral- and charged-particle beams and electromagnetic rail guns, he says, all failed to live up to their billing.

This isn't news to some of the hot young physicists hired to build a nuclear shield. Elliott Kennel, a former air force nuclear engineer who worked on SDI in the mid-1960s, describes how, "by 1987, many of us

Wars will never provide an impenetrable umbrella against nuclear missiles.



Ground-Based Laser

This \$1 billion free-electron laser shoots at a mirror, which reflects death beams at missiles. Stalled: SDIO prefers Pebbles.

The target: Independent warheads from the MX Peacekeeper missile, the kind SDI means to stop

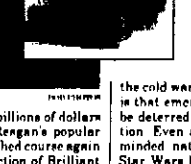
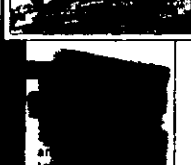
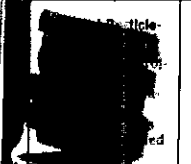
cocky whiz kids had realized that the game was over. We had tried very hard to fulfill the technical requirements of President Reagan's vision of an 'impenetrable shield' and failed."

And so quietly, secretly, SDI did what might charitably be called "evolve." According to a report from Congress's General Accounting Office, released last week by Rep. John Conyers, SDI lowered its sights in 1967 to discourage, not block, a massive Soviet missile attack. Taxpayers may not



Space Based Lasers

This \$1 billion free-electron laser shoots at a mirror, which reflects death beams at missiles. Stalled: SDIO prefers Pebbles.



have realized it, but the billions of dollars were not going to buy Reagan's popular perfect defense. SDI switched course again in 1990 with the introduction of Brilliant Pebbles, a program to develop an armada of hundreds of small orbiting interceptors that would swarm toward incoming missiles and destroy them by impact. In 1991, SDIO conceded that Pebbles could protect America only against limited (up to 200 warheads) ballistic-missile attacks from anywhere (read: crossed Saddam-type dictators). Changing goals as it went along was central to what Saucier calls the main point of SDI: "to keep the research and development money flowing." That required se-

crete justification for SDI in that emerging nuclear powers may not be deterred by mutually assured destruction. Even a single nuke from a martyr-minded nation could bring a holocaust. Star Wars has a better chance against a small barrage than a huge one, but that does not necessarily justify space-based missile killers. Infrared warning satellites spied every Scud that Iraq launched during the Persian Gulf War. Those satellites, teamed with 100 ground-based interceptors located in Grand Forks, N.D., argues IBM's Garwin, would be simpler and more effective than... space-based interceptors." In part, that's because the Pebbles must hit a missile dead-on in order to destroy it. Large antiballistic missiles

... might be more effective. The longest persistent Pebbles out of the money set, though. Last week President George Bush nominated TRW executive Dan Goldin to head NARA. Goldin worked the Brilliant Pebbles contract at TRW.

The perceived success of ground-based defense in the gulf war ratcheted up the SDI budget. Says a congressional aide who has followed SDI for seven years, "The images of the Patriot were worth \$1 billion to SDI." That's how much additional funding Congress voted for SDI last year, after three years of flat or declining appropriations. Yet a study by MIT's Postol questions the Patriot's performance. Writing the year in the journal *International Security*, he argues that the Iraqi Scuds fell apart, as they homed in on their target, with no help from the Patriots. When Patriots that speared toward the fragmenting Scuds fired their warheads, the fireballs that resulted were mistaken for hits. His analysis of videotapes shows that Scuds flew by untouched. The army contends that Patriots were 85 percent successful in Saudi Arabia and 8 percent successful in Israel.

Since Saucier went public, says attorney Jeff Ruch of the Government Accountability Project, "people have been coming out of the [SDI] woodwork" with similar charges. Three congressional committees are launching inquiries into the allegations. Saucier has been reinstated in his job at SDIO pending review of his charges. Still, no one believes that a whistle-blower can bring down Star Wars. President Bush has requested \$6.4 billion for SDI next fiscal year, compared with \$4.1 billion in 1991-92. Yet SDI competes for scarce dollars with other defense programs. In an era of shrinking budgets, says a congressional aide, "the people who are going to kill SDI are in the Pentagon."

SHARON BOGLEY BY DANIEL GLICK IN WASHINGTON



Whistleblower Wins Study of 'Star Wars' Program

By JOHN H. CUSHMAN Jr.
Special to The New York Times

WASHINGTON, March 10 (AP) — A former Pentagon official who has been engaged in disputes with Pentagon officials since 1987, when he complained about what he called wasteful and biased research in the "Star Wars" program, run by the Strategic Defense Initiative Organization, Mr. Saucier, a physical scientist with decades of experience in space research, was shifted in 1987 from a senior management position in the organization's office to a less significant job with the Army.

In affidavits Mr. Saucier has submitted on his disputes, he said his problems with the military boiled over last year. He was dismissed last month by the Army Ballistic Missile Defense Command, which said he had written a flawed report about technologies for shooting down ballistic missiles.

Army Review Under Way

After Representative John Conyers Jr. of Michigan, the chairman of the House Government Operations Com-

mittee, objected to the Secretary of the Army, Michael Stone about the dismissal, the Army temporarily suspended it. Mr. Saucier is on paid leave until Friday, the date by which the Army said it would decide whether or he was properly dismissed.

The newest review was ordered on Friday, after the Federal Office of Special Counsel determined that there was a "substantial likelihood" that some of his allegations were well founded. The new study will go beyond the issue of Mr. Saucier's dismissal, and investigate his allegations.

The office, an independent agency in the executive branch, was set up in

A Congressman wants a delay in the dismissal of a scientist.

1979 to help insure that Federal officials are not harassed when they take unpopular positions or complain about waste, fraud and abuse.

Today, Representative Conyers urged Defense Secretary Dick Cheney to suspend Mr. Saucier's dismissal until all the reviews are finished. "It would be a travesty to fire someone before investigating his disclosures," Mr. Conyers wrote.

Mr. Saucier has asserted that for several years, the "Star Wars" program office and its contractors repeatedly made false or misleading statements to Congress, spent money improperly and engaged in wasteful and duplicative research while refusing to conduct tests of some "Star Wars" ideas.

He said the program repeatedly shifted millions of dollars in research funds from one program to another emphasizing projects that were favored by its leaders. This practice, he said, was informally known in the "Star Wars" office as using "Lou's" or "taxes" to pay for favored research. Although such money juggling is not necessarily illegal, Mr. Saucier said it was done in a way that improperly misled Congress about how money was being spent.

Mr. Conyers's committee is also

looking into Mr. Saucier's assertions that the military needlessly bought millions of dollars of duplicative research from contractors, only to literally throw away many reports.

Inflated Claims Asserted

And Mr. Saucier contended that a "Star Wars" director in the Reagan Administration, Lieut. Gen. James Abrahamson, and other officials improperly inflated claims of the efficacy of a "Star Wars" program to build Congressional support for it. The program is a system of space-based interceptors, the Brilliant Pebbles program, is favored by conservatives who want quick deployment of a missile defense system.

Pentagon officials today declined to comment on these assertions while the matter is under investigation.

The special counsel cannot itself overturn Mr. Saucier's dismissal or otherwise adjudicate the dispute between him and the Pentagon, said Laura Blades, a spokeswoman for the counsel. But his order that the Pentagon review the case means that it must be investigated fully and that a report of the inquiry must be approved by Secretary Cheney.

NY

2-294

Flawless or perfect record of missile launches !!!

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Maybe this missile was jinxed.

In January the Air Force tried to launch a Minuteman I from Vandenberg Air Force Base to support a Strategic Defense Initiative test.

The Minuteman, a surplus nuclear missile that was retired in 1974, was shipped to a troubleshooting facility at Hill Air Force Base, Utah, where the Air Force spent two months and \$150,000 to pinpoint the blame and replace the suspect parts.

On Friday, the Minuteman was back in its north Vandenberg launch facility and officials again counted down to zero. This time the missile responded with a vengeance, spitting out flames and issuing a loud roar that echoed through the small valley below.

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Friday's launch "really went off without a hitch," said James Katechis, manager of the Ground Based Interceptor program. Katechis said the interceptor worked properly and would have homed in on its target if crew members had designed the test correctly.

Katechis admitted that the test failure may add further damage to the SDI program's image just as the Bush administration is asking Congress to increase SDI funding 31 percent to \$5.4 billion. But Katechis argued that the test should be viewed as a partial success.

"I think it was not a major failure, but obviously the proof of the pudding is an intercept," he said.

Katechis told Associated Press reporters that he'd like at least one additional flight test to prove that the test, in

1-31-88

WR330 (cont.)

development for six years at a cost of \$500 million. "can run, not just stand up and walk." Then he apologized for the whole thing.

The mission... getting worrisome," said Matt Bunn, a spokesman for the Arms Control Association in Washington. Bunn said that Israel experience... last year of the Arrow system, which is similar to SDI and is partially funded by the U.S., he said.

"I would say that this is both politically and technically damaging at a moment when the program is at a political crossroads," Bunn said.

Bunn is a top engineer with Lockheed, a contractor in the SDI program.

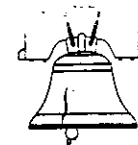
The interceptor project is central to the Pentagon's plans to deploy sets of ground-based interceptors near Grand Forks, N.D., and possibly at other U.S. locations to protect the population from a limited missile attack. The Pentagon wants to get the first interceptors deployed by about 1997.

That's the report from Lempert, March 13, 1992. Expect

2-295

WR330 (cont.)

Responsible Citizens for Responsible Government



Points to Consider Regarding the Star Wars Programs on Kauai

Public pressure can and will derail these launches. The next step is to speak out at the army's Public Hearing on March 24 and just say NO to missile launches on Kauai! KAUAI IS TOO PRECIOUS TO RISK EVEN ONE ACCIDENT!

CRISIS AT EBEYE: Certainly one of the most critical issues to discuss when considering Stars/EDX programs is their impact on our neighbors in the Marshall Islands. Forced from their home islands in the 1950's to make way for missile testing, the Marshallese on Kwajalein Atoll are now restricted to a single, tiny island called Ebeye just outside the target zone. With over 10,000 people crowded onto just 65 acres (Kauai Community College is 100 acres), Ebeye Island is one of the most densely populated spots on Earth and has gained the distinction of "Ghetto of the Pacific". Their native lifestyle gone, subsisting on Spam and Budweiser, and yearning for a return of their land and traditional lifestyle, citizens on Ebeye sent urgent faxes to Responsible Citizens for Responsible Government imploring citizens of Kauai to oppose the STARS program. Can we support a program that "claims" to provide a "Peace" shield while inflicting such a toll on our neighbors?

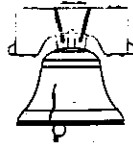
The... Just... of... skin

ECONOMIC IMPACT: On Kauai our environment is our economy. The E.I.S. essentially ignores the significant impact on our tourist based economy if there were a catastrophe related to this program.

Responsible Citizens for Responsible Government, P.O. Box 1440, Hanalei, HI 96714
Phone - (808) 826-9005 Fax - (808) 826-7425

WR330 (cont.)

Responsible Citizens for Responsible Government



SDI - LINGERING DOUBT: 20 billion dollars has been spent to date on SDI with little or nothing showing for the program. The program is not working to bring down the Soviet missile threat. It is simply breaking America's back.

Defense Secretary Frank Carlucci, a former officer in Vietnam, has said that the defense budget is a "defense" of the country. If they are the only ones who are not worried, they are the only ones who are not worried.

Mr. Carlucci has admitted that there will be no SDI program for the next 15 years. The \$75 billion dollars slated for SDI over the next 15 years and only a few billions in the current budget are just what does the Army have waiting in the wings for KAUI?

EMOTIONAL AND PSYCHOLOGICAL IMPACT: What will the emotional and psychological impacts be to citizens on Kauai as they realize that Kauai has become a primary strategic target? If there is a catastrophic launch? If military escalation continues?

CULTURAL HERITAGE: The launch pad sits on Nohili Dune - the most sacred spot on Kauai to native Hawaiians. As Nanette Slaven Kaaumoana pointed out in a letter to the Garden Island:

"It does not matter how many bones are found buried in Nohili dunes. What matters is that burials did occur there because it is the one point on all of Kauai considered the pathway to Eternal Life."

The Army has responded that "through established procedures they will reduce the risk that may occur to cultural resources." Depending on who you are speaking with, those 'Cultural Resources' may be your great-great grandparents. But haven't they missed the point? Nohili dune is **culturally significant**. It is **sacred land**. How do you measure 'sacred'? Certainly not with the instruments the Army used to produce the E.I.S.

Responsible Citizens for Responsible Government, P.O. Box 1440, Hanalei, HI 96714
Phone - (808) 826-9005 FAX - (808) 826-7425

2-296

WR331

Washington, D.C. 20510-1102

4/5/15

Dear Senator Inouye,

I am writing to you today because of my strong feelings against having Strategic Target System Launches on Kauai. The EIS does not adequately address my concerns for our beautiful, fragile ecology, i.e. the Newell Shearwaters, the whales and the Address Tongue Terns. Nor does the EIS address my concern for the people on Kaupalein Lagoon at all. Nor does this EIS adequately address what if an accident occurs and all the negative impacts to us here including the economic impact on the tourist industry. Plus this EIS was done by the Army.

Thank you for whatever you can do to stop this project.

Sincerely,
Marylu Kelley
4844 Kikala Rd.
U.A.I. - 115 91241

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WR332

Daniel K. Inouye

Dear Senator Inouye,

I oppose the basing of a Star program on Kauai. I feel it will harm our economy as well as cause great concern of danger to its inhabitants with the transporting of dangerous materials.

Thank you

Sincerely
Kay Doty

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2-297

WR333

Senator Daniel Inouye
722 Hart Senate Office Bldg
Washington, D.C.

April 7, 1992

Aloha Senator Onouye,

As a resident of Kauai, I am writing to you to express my opposition to the implementation of any SDI or "Star Wars" missile testing on this island. It is simply inappropriate to the character and ambience which this island represents in the hearts of people all over the world: beauty, harmony and essentially, and especially—peace.

At a time when we are donating billions of aid to our once former enemy who seemed to necessitate such a defense program, this program seems to be of the past. It's purpose gone, its remaining momentum must therefore only be of value to those who have a vested personal (rather than national or global) interest in its implementation; those businesses which would prosper greatly from selling the equipment required, and those military personnel who believe their personal employment security lies in the continuation of war preparations.

The paradigm has shifted. There are a growing number of us who understand that when one focuses on the need for war, then wars will be manufactured. With the same principle of what you focus on is created in experience, many of us are now choosing to focus on peaceful ways of getting along on this planet. If we plan for peace, it is my belief that ways to maintain peace will be found.

Thank you for your time in reading this letter.

Sincerely,

Linda Carpenter
Mrs. Linda Carpenter

P.O. Box 3437
Princeville, Kauai 96722

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WR334

Senator Daniel K. Inouye
722 Hart Senate Office Building
Washington, D.C. 20510

10 April 1992

Dear Senator Inouye,

I oppose the testing of the Stars/SDI program in Kauai. Firing missiles from the Pacific Missile Firing Range violates the three valuable qualities of life in Kauai.

1. Endangered marine mammals are gradually returning to their natural environments around Kauai. The numbers of the endangered green sea turtle, the Hawaiian monk seal and the humpback whale living in the waters and beaches of Kauai have increased slowly since the marine mammal protection act was passed during the 1970's. The seals and whales choose Kauai's waters to mate and bear their young. The Army's plan to fire 40 missiles during the next ten years will frighten and drive these animals away, to other less-safe beaches, where the animals are more vulnerable to shark attack, and their populations will decline. We all have a responsibility to preserve these remaining endangered animals for future generations of people to study and appreciate.

2. Native Hawaiians consider the lands occupied by the Pacific Missile Firing Range, and adjacent to it to be sacred burial grounds. The firing of missiles violates the respect and honor that is owed to this land. The waste materials that would be released into the air, water and earth from the missile launching denigrates this land that is cherished by native peoples.

3. Launching missiles from Kauai threatens the tourist industry. Visitors from other parts of the world choose to come to Kauai for the unspoiled beauty of its beaches, verdant valleys, dramatic coastline, abundant marine life and quiet lifestyle. Launching 40 missiles during the next 10 years will contaminate the ocean with debris and chemicals discharged from the missiles, harming the marine life and damaging Kauai's fragile ecosystem. The movement of hazardous materials/fuels on the roads, on boats and on Kauai's airports could result in a catastrophe (like the Exxon Valdez, or the misfired missile that exploded in its silo in Arkansas recently). Launching missiles will drive tourists away and ruin Kauai's economy.

Thank you for your attention. Sincerely,

Helen M. Mehl
Helen M. Mehl
1675-2 Makenui Rd.
Koloa, HI 96756

cc. Henry F. Cooper, Director of STARS
Mayor Joanne Yukimura, County of Kauai
Senator Daniel Akaka
Representative Patsy Mink
Representative Neil Abercrombie
Editor, Kauai Times

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2-298

WR335

April 8, 1992

Dear Senator Daniel Inouye,

I support the 'No Action' alternative on the Draft E.I.S. of the U. S. Army concerning the firing of missiles from the Pacific Missile Range Facility on Kauai. I am strongly opposed to Star Wars testing on Kauai for the following reasons:

1. Our environment is our economy. One accident could have a devastating effect on our tourism and real estate revenues.
2. The effect on our ozone layer has not been properly addressed within your E.I.S. Brominated fluorocarbon, a by-product of launching missiles, has been shown to deplete the ozone in our atmosphere.
3. Nohii Dunes is a culturally significant area, inappropriate for use as a launching site.
4. I do not want my tax dollars to perpetrate human rights violations upon the people of Ebeys.

We understand that the employees of the Pacific Missile Range Facility have been threatened with the loss of their jobs if this program is not commenced. We have written to the U.S. Army requesting that the authorities please clarify this misconception immediately so that each P.M.R.F. employee may make a conscientious decision based on the true impact of the program, not under duress from fictitious threats.

Sincerely,

Beck Dransfield
P.O. Box 930
HANALEI HI 96714

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SCOTT I. BATTERMAN
755 UNIVERSITY AVENUE
APARTMENT 305
HONOLULU, HAWAII 96826

April 3, 1992

The Honorable Daniel K. Inouye
United States Senate
722 Hart Senate Office Building
Washington, D.C. 20510

Dear Sir:

I am writing to you again to express my opposition to the STARS Program. I recently stated my opposition at a public hearing on the Draft Environmental Impact Statement in Lihue, March 25, 1992. I wish to express them directly to you at this time.

There is significant opposition in Hawai'i, and on Kaua'i, to the use of the Pacific Missile Range Facility at Barking Sands as a launch site. This opposition has many different components:

- The environmental impact of the program, including the potential damage to the ozone layer.
- The imposition on the rights of native Hawaiians, including spiritual concerns — shared by others — over the use of Kaua'i for the program.
- The impropriety of using the Pacific Ocean as the target, including the harm being done to the Marshall Islanders — a people who have already paid a high price for our use of the Pacific Islands as nuclear test site.
- Safety concerns over possible launch accidents and the transportation of dangerous materials, such as Hydrazine, over local roads — an option the military has pointedly not ruled out in its DEIS.
- The impact on the tourist industry, particularly in the event of an accident.

Then there are the more general concerns over the STARS and SDI programs:

- Many reputable scientists question whether the goals of the program are at all feasible. These questions have been given greater credibility by the recent revelations that the Patriot Missile did not, in fact, work as well as the White House public relations staff would have us believe.

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Honorable Daniel K. Inouye
April 3, 1992
Page 2

- The STARS and SDI programs are extremely costly, in a time of budgetary constraints resulting from massive deficits and significant unmet domestic needs.

Given these concerns, it is time for a careful reassessment of the purpose of the program, and whether that purpose justifies the expense and risk. STARS is part of program designed to guard against Intercontinental Ballistic Missile attacks. But who is going to be making such an attack? Not the Russians: They are no longer our enemies, and want financial aid from us, and our assistance in dismantling their military. Not the Chinese: They are more concerned over losing most favored nation trading status than anything else. I presume we are not expecting an attack from the English or the French, or the space programs of India or Japan.

That leaves a Saddam Hussein-type. But if someone like him obtained nuclear weapons, he would not wait the years necessary to develop an ICBM and risk a launch failure, when small planes or boats are available. Indeed, once the hurdle of obtaining fissile material is overcome, building a nuclear weapon is no major technical feat — we did it with 1940's technology.

By contrast, building an ICBM is a difficult task, involving inertial guidance, materials, fuel, etc. Even then, accidents do happen, as our own failures (both in the beginning of the space program and in more recent years), the failures of the European Space Agency Ariane program, and the launch failure last month in China, constantly remind us. What dictator would wait so long, spend so much, and risk so much, when every night drug smugglers demonstrate how easy it is to sneak a plane into the US?

Given the many concerns listed above, spending billions of dollars for protection from a non-existent limited attack is an inexcusable waste of scarce resources. I urge you, in the name of scientific and fiscal responsibility, and aloha aina, to lead the fight against this unjustified waste of taxpayer dollars.

Thank you for your consideration.

Very truly yours,

Scott I. Batterman

2-299

WR337

April 8, 1992

Senator Inouye & Mr. Gallien,

This is a letter of protest against the SDI (STARS) program being considered at PMRF on the Hawaiian island of Kauai. This world, this country, and, more specifically, the island of Kauai does not need SDI research. That such a project is potentially dangerous is a given; why else would the remote island of Kauai be considered as a location if this were not the case?

I personally would like to see that the current employees at PMRF continue to have worthwhile jobs there *without* adding the potential hazards inherent to the SDI program. In other words, I am not objecting to PMRF itself, just what is being proposed to occur there.

Once again, this letter is a protest against the SDI program. NO, not on this island, which is my home.

Sincerely,

T. J. Fernandez
4460 Ikema Pl #34
Kalaheo HI 96741

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2-300

WR338

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL



MISSILE WARHEAD IMPACTS IN THE KAWAJALEIN ATOLL

19 March, 1992

Dear Senator Inouye:

I recently viewed a film titled "Home on the Range" This documentary portrayed the history and life of the Kawajalein Atoll. The United States military activity and treatment of the native peoples of this area is deplorable. The residents of Egege Island (10,000 people squeezed into little more than 1/2 square mile!) do not want anymore missile launch to Kawajalein a mere 2-3 miles from their homes. They have written a letter of appeal to Hawaii asking us to do our part to keep more missiles out of their back yard.

Besides the need to protect our health & well-being on Kauai, we also need to, in good conscience, be sympathetic to our pacific neighbors.

Please continue to support efforts to stop the Stars program in Hawaii. Thank you very much. William Holmes

P.O. Box 304
Nanaimo, HI

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WR339

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL



MISSILE WAKEHAD IMPACTS IN THE KAWAJALEIN ATOLL

Dear Senator,

I have seen the news reports and health and safety reports.

I was always against any kind of missile launching from my island of Hawaii because I know of the risks to our people and our environment. But I never really thought about the landing of the missiles until last night when I saw the news on TV. I was appalled that for these people I am sure is a violation of the Constitution and want to continue this policy of the Constitution. I understand that the missile is a defense tactic but why at the cost of these people's money? 30 billion dollars of our tax money bought a machine that is to kill and harm our people and our children for the people of Kawajalein. I hope we can save some money and spend it on education and health care. We have a society of high alcoholism and other social problems. We need to spend money on these things. We need to spend money on our people's health and safety.

Senator, please you are addressing about our island's health and safety. Please help to our community to stop the missile launching. We need to know that they are not safe and that the missile launch is not safe.

I hope you will support a moratorium on missile launching from our island. We need to know that they are not safe and that the missile launch is not safe.

"Alona Kaka'i
Kekaha'i"

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WR340

Sen Dan Inouye
U.S. Senate
Washington D.C. 20510

March 27, 1992

Aloha Senator Inouye,

I am writing to add my voice to those who oppose the planned SDI testing here on Kauai.

SDI is a system that won't work designed to defend us against an enemy that doesn't exist. It's outrageously expensive. We have far more pressing problems in America than the development of another high-tech defense system. While no one doubts that there are still dangerous people in the world, SDI will do nothing to protect us from them. Money spent on defense should go to practical, workable systems. Money left over, the so-called "peace dividend" should go to resolving the problems of homelessness, drug abuse, crime, AIDS, pollution, and to improving our educational system.

Please Sen Inouye, vote NO! on the SDI. Mahalo.

Sincerely,

William R. Grier
3787 Ho'ohuki St.
Lihue, HI 96766

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2-301

WR341

March 26, 1992

Senator Daniel K. Inouye
Room 722 Hart Senate Office Building
Washington D.C. 20510

Dear Senator Inouye,

Kauai's environment is our economy. One accident would be devastating to our tourism revenues and real estate values.

Please stop the military escalation on Kauai. We do not want Stars missiles launched from our island.

Sincerely,

Beck Francisca

B. Francisca
P.O. Box 930
Hanalei, HI 96714

2-302

WR342

The Honorable
Senator Daniel K. Inouye
U.S. Senate
Washington, D.C. 20510

Dear Senator Inouye:

This week I attended the public hearing at the Convention Center in Lihue, a meeting seeking community input regarding the Draft Environmental Impact Statement (DEIS) on the Strategic Target System (STARS) program. I am deeply disturbed.

While the DEIS is substantive, it still fails to address a few issues of direct importance to Kauai. My perception is that, for the Military, Kauai is merely a conveniently located, geographically correct, launching pad for STARS, a program which, to many of us, is of dubious value to the promotion of global peace, and which is detrimental to the Marshallese at the receiving end of the trajectory.

This issue is corroding the island. The workers at the Pacific Missile Range Facility (PMRF) at Barking Sands equate the viability of the Base to the approval of STARS. Thus, if one is against STARS, one is automatically branded anti-PMRF, an unfeeling person who does not care about the well-being of PMRF employees.

I feel that the beautiful spirit of this island is threatened by the specter of the STARS program, which hangs like a dark cloud over this precious land.

Global peace is desired by all of us. The question is: is the STARS program the way? Should we not seek other ways toward that end?

I beg you to take these concerns to heart.

With Aloha,

Respectfully,

Maria C. Snyder

Maria C. Snyder, M.D.
P.O. Box 58
Kapaa, HI 96746

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WR343

March 25, 1992

Senator Daniel K. Inouye
Room 722 Hart Senate Office Building
Washington D.C. 20510

Aloha Senator Inouye,

The citizens of Kauai do not want Stars missiles launched from Kauai.

Thirty billion dollars has been spent to date on SDI with little or nothing to show for it. Please stop funding this program immediately and start spending these funds on more relevant programs (i.e. education and housing).

Sincerely,



Pamela Palmer
P.O. Box 238
Hanalei, HI 96714

WR344

TO WHOM IT MAY CONCERN,

I RECENTLY RELOCATED TO KAUAI HAWAII AND WOULD LIKE TO EXPRESS MY OPINION CONCERNING STAR WARS MISSILES. I FIND IT HIGHLY OFFENSIVE THAT OUR GOVERNMENT WOULD DEEM IT NECESSARY TO SHOOT THESE EXPERIMENTAL ROCKETS, KNOWING THE APPARENT SIDE EFFECTS THAT WE WOULD BE EXPOSED TO IN THE AFTERMATH.

AS A CITIZEN OF THE UNITED STATES I STRONGLY SUGGEST THOSE REPRESENTING MY POLITICAL BELIEFS TO VOTE AGAINST THE STAR WARS ROCKETS.

Sincerely -

LISA K ROSS
PO BOX 1263
KOLA H 96756

2-303

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WR345

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL



MISSILE WARHEAD IMPACTS IN THE KAWAJALEIN ATOLL

AND A STOP ON STAR MISSILE LAUNCHES FROM PRRF

Lucia Yipani

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2-304

WR346

U.S. Senate
Washington, D.C.

Dear Senator, 20510

I am a current resident of Kauai and lived on the island for the past ten years. I was truly uninformed about the proposed Star Wars Missile testing. Somehow it did not sound right to me, so I had to get informed.

Kauai is a small island, a small inhabited island, with people living on it, although I guess humanity is not an issue here. After all look what we've done to the 10,000 Marshall Islanders who were taken off their land, only in later years to suffer diseases, suicide, and death.

One human error and then what's to say about the economy, the vegetation, the life that still remains one of the only places left that is still unspoiled!

Kauai has always been a very spiritual place for me. I've seen and been through alot here. It is a testing ground for our souls not for missiles. How dare we allow launches off the sacred grounds of Nohi's Dune.

Obviously Capital Hill does not know about the power of this island and its Hawaiian people.

I beg of you to stop this madness before it begins!

Right Now!

Lana Peragino

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WR347

March 27, 1992

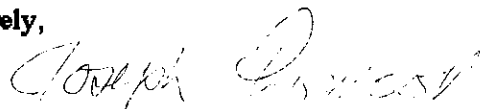
Senator Daniel K. Inouye
Room 722 Hart Senate Office Building
Washington D.C. 20510

Aloha Senator Inouye,

Thirty billion dollars has been spent to date on SDI with little or nothing to show for it. Please stop funding this program immediately and start spending these funds on more relevant programs (i.e. education and housing).

The citizens of Kauai do not want Stars missiles launched from our island

Sincerely,



Joseph Thomson
P.O. Box 238
Hanalei, HI 96714

2-305

WR348

1-27-1992

Dear Senator Inouye,

I recently went to the EIS Star Wars Hearing on Kauai (where I reside).

In short please note that I am opposed to the plan to test Star Wars. It is my opinion that it is unhealthy for our environment and out of step with events in the world and our horrendous budget deficit.

Thank you.

Edward deDeoDe

Dr. Edward de Deo, D.C.
3707 Omeo Rd
Kalaheo, HI 96756

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WR349

United States Senate

Washington, D. C., April 9, 1992

Respectfully referred to
The Honorable Daniel Inoué

(unacknowledged)

2-306

WR349 (cont.)

March 9, 1992

Dear Senator Nunn,

I live on the island of Kauai and am the mother of two young sons. I would like to see the STARS program stopped before it begins. The reasons are clear, we here on Kauai have a clean pristine environment and are working to keep it that way. The STARS program is a threat to this. No one can say what will happen if these 20 year old missiles are launched, but the experts agree there is a 50% chance of misfire. Along with human error, other mechanical failures, spills, leaks and spewing of rocket fuel onto our air water and land, I hope you can see the senselessness of this project. I am not against arming ourselves and protecting our country. Please do not let this or any of the planned missile launches happen here on Kauai. This is a vacationer's paradise, and our main source of income. (I meant to say tourism is.)

Isn't there some way the armed forces can dis-assemble these rockets (missiles) and re-use the parts for something else? I have a feeling that this project is geared to getting rid of those things. Yes, I know about the EIS study, but as far as that goes, I haven't much faith in that report. Please do what you can to stop the STARS program from starting on Kauai. I would not feel safe living here any more if this foolish game is allowed, did I mention dangerous? Thank you for your time and attention to this matter.

Sincerely,

Debra Ann Latta
6599-A Kuluhohe St
Kapaa, HI 96746

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WR350

Aloha Seneca Inouye,

3707 O'ahu Rd
Koloa, HI 96756
April 4, 1992

I am a resident of Kauai. I oppose
launching STARS missiles from Kauai
I also oppose the entire STARS program.

- 1) You requested an independent EIS ~~and~~ be performed for Barking Sands and The Army conducted their own EIS. IF they won't even follow your request for the EIS, what else will they do independent of control?
- 2) The world situation that prompted the STARS program is no longer occurring. It ~~is~~ is not ~~any~~ necessary to have such a defense system anymore.
- 3) Given our present economy, it is foolish to spend billions of dollars on a project that is not necessary and very probably will not be effective.
- 4) The potential for ecological harm to Kauai, which directly causes economic harm, is too great.

Please oppose this project with all the powers you have available.

Sincerely
Richard Sherman

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WR351

CHARLEY LOVE
PO Box 1541
Koloa, HI 96756
(808) 742-6864

SENATOR DANIEL INOUE
US SENATE
WASHINGTON DC

DAN:

STAR WARS MUST GO ! I JOIN THE RAPIDLY GROWING NUMBERS OF KAWAI RESIDENTS IN OPPOSING THE VERY THOUGHT OF ESTABLISHING A TESTING AND/OR OPERATIONAL BASE FOR SDI ON THIS ISLAND. MY REASONS GO FAR BEYOND CONCERNS FOR A SMALL AND FRAGILE PACIFIC PARADISE. THIS IS A SMALL AND PRECIOUS WORLD AND IT IS BARELY TIME FOR US TO COME TO OUR SENSES AS A NATION, AND REALIZE THAT IF WE ARE TO REMAIN A WORLD LEADER, WE MUST PRACTICE HARMONY RATHER THAN DOMINATION. WORLD ORDER WILL NOT COME THROUGH ACTS OF WAR! SDI IS A FLAGRANT DEMONSTRATION OF POWER MANIPULATION BY PRO COLD WAR STRATEGISTS WHO ARE SAYING THE COLD WAR IS OVER OUT OF ONE SIDE OF THEIR MOUTHS, WHILE TRYING TO FOOL TAXPAYERS INTO FEARING UNSEEN MONSTERS WITH THE OTHER.

IF MANKIND IS TO SURVIVE, WE WILL DO IT BY PUTTING OUR ENERGIES INTO CREATIVE ENDEAVORS. IF THE UNITED STATES SURVIVES, IT WILL BE BY DEMONSTRATING OUR WILLINGNESS TO LIVE IN HARMONY WITH ALL NATIONS AND ALL PEOPLES. IT'S TIME TO PUT IT ON THE LINE.

YOUR'S FOR A BETTER WORLD



CHARLEY LOVE

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2-307

WR352

Honorable Senator Jorgensen
U.S. Senate
Washington, D.C. 20510

Dear Senator Jorgensen,

I am so concerned and my heart
feels heavy for various reasons. I am born &
raised here in Hawaii. I am 52 years old,
a wife, a mother, and a citizen of this
planet. The issue that is causing me
such concern is the proposed Star Wars testing
launches on this island - and the division
occurring amongst the people regarding this issue.
This division was so apparent at the
hearings - as a mother & steward of the
Earth's planet, I am saddened by such
deep family fights!

I do not want to see this garden island
as a launching pad for antiquated and
dangerous polaris missiles. Further, the jet-stream
Star Wars missile systems seem a waste of
tax money, considering the recent developments in
Europe & the Soviet Union. Not only will
this island be impacted - the oceans around
it will be, as well as the target area
in the Marshall Islands. The role we
have played in regards to abusing these

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WR352 (cont.)

islands is a maximum embarrassment. I
could go on and on - There is the issue
of the Hawaiian lands, on which PMRF sits
at Manoa. We need to preserve this special
aloha-pua'a as a valuable gift to give
our children, our future -

Please, Senator, use your power as
head of the Defense Appropriations Committee
to stop the proposed Kauai missile
launching & put an end to the Stars
programs - NOW. Senator Jorgensen, I am
a calm, peaceful person - The extreme
anger I feel, with what is being
proposed & the impact on this tiny
island & its people, is unusual for
me. I want to be heard and
understood. There is a tumultuous voice
arising in this land - this nation
saying "Enough!" Can "big government"
hear? Please listen to the
inner feelings of the people as well - those
that come from the gut.

Respectfully,
Jana Price
Box 1139
Kalaheo, HI 96741

2-308

100

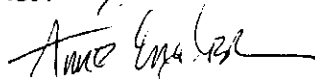
WR353

SENATOR DANIEL K. INOUE
722 HART SENATE OFFICE BLDG.
WASHINGTON, D.C. 20510-1102

DEAR SENATOR INOUE,

I AM VERY MUCH AGAINST HAVING THE
STARS PROJECT ON KAUAI. KAUAI'S BEAUTY
AND ALOHA ATTRACTS THOUSANDS OF VISITORS
FROM ALL OVER THE WORLD EVERY YEAR.
HAVING A MISSILE LAUNCHING SITE ON
THIS ISLAND WILL DRAMATICALLY CHANGE
KAUAI'S IMAGE AND WILL NEGATIVELY
AFFECT OUR ECONOMY. WE ALL DEPEND ON
THE VISITOR INDUSTRY AND TURNING KAUAI INTO
A MISSILE SITE WILL TURN VISITORS AWAY.
PLEASE PROTECT OUR ISLAND'S BEAUTY
AND ECONOMY NO STARS ON KAUAI!

SINCERELY,



ANNE ENGLISH
P.O. BOX 1280
KALAHOE, HI 96741

WR354

Date: April 9, 1992

To: S. Shihao, M. Cumlisky

From: S. Shihao

Kathleen Strard

p.o. box 397

Hanalei, Hawaii 96714

808-828-1804

She is against Stars Program, she felt that it should be more public for the people to get in volve with it and that it shouldn't be only the decision of the defence. Wants a response.

2-309

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WR355

PATRICIA B. SPILLANE P.O. BOX 572 KALAHEO, HI 96741

April 6, 1992

The Honorable Daniel K. Inouye
Senate Office Building
Washington, DC 20510

Dear Senator Inouye:

My credentials: I'm a 72-year-old Mainland-born, caring voter who believes that my vote counts. I've voted in every election for which I was eligible since I reached voting age. I've cast my vote in every primary and general election on Kauai for over 21 years, including one absentee ballot.

I ask you to speak for the many citizens of Kauai who fear the impact of the Stars program on our "laid back" island.

Many of my friends work at PMRF. I do not want their lives as well as mine to be in jeopardy.

My plea is from the heart--others will surely provide you with all the statistics.

Please bring your far-reaching influence to bear for those who champion a Garden Island without Star Wars.

Sincerely,

Patricia B. Spillane

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WR356

Senator Inouye 3/31/92

Please help us stop the military program including the STARS missile program on our beautiful Island. The majority of Kauai residents do not want it here.

Please read my oral testimony presented last week at hearing in Lihue.

Sincerely,

Patricia B. Spillane

2-310

WR356 (cont.)

RE: STARS STRATEGIC TARGET SYSTEM DRAFT ENVIRONMENTAL IMPACT STATEMENT

Oral Testimony presented Wednesday, March 25, Kauai War Memorial Convention Center Given by Gabriella Taylor, 5620 Keapana Road, Kapaa, HI 96746

I come here tonight as a 20-year resident of Kauai who cares about the quality of life on our beautiful island. For that reason, I am against the STARS Missile Program. This island is a place where hundreds of thousands of people come to rest, to rejuvenate, if you will, to heal mentally and physically. Therefore, I speak tonight also as a health professional.

I feel that the presence of a STARS Missile Program on this island would represent the hand of death, a sinister shadow hovering over this life giving island. I would like to quote from the STARS Environmental Impact Study, pg. 4-57 through 4-59, referring to the effects of rocket propellants on the human biological system.

"Hydrazines are toxic and corrosive to the skin. In contact with rust, the liquid may auto-ignite at temperatures as low as 73 degrees Fahrenheit and present a very serious fire hazard. Hydrazine is a suspected human carcinogen. Besides liver damage it can cause pulmonary edema and damage to lungs, kidneys and blood.

The propellant, nitrogen tetroxide is highly corrosive to human tissue: Its vapors may cause permanent injury, primarily in the form of burns to the tissue of the pulmonary tract."

I am horrified to think of the possibility that such poisons would be transported on our island roadways. For that reason alone the STARS Program is contraindicated for the health and well-being of Kauai's people. There are many more reasons, however. The program should be stopped because of the detrimental effect of freon released during the launch. It would further destroy the stratospheric ozone layer which protects us from UV rays that cause skin cancer. The EIS does not deal with this problem adequately. The EIS should not be used as a document to decide the fate of the STARS Program.

How would the military feel if the EIS was done by the Mayor's office or perhaps the Sierra Club of Kauai? Any viable and credible study must be done by an impartial party not attached to either side. The EIS as it stands is not acceptable.

I want our Garden Isle to remain the gift of life and health to residents as well as visitors from around the world.

I say no to STARS Missiles, no to death.
I say yes to life - Yes to Kauai!

Aloha 

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WR357

March 26, 1992

To the Honorable Daniel K. Inouye,

I am very concerned about the proposed Star Wars testing launches from Kauai.

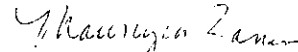
I am most concerned about the safety of the transportation of the hazardous fuels, safety zones around the site, environmental impact to the target islands and the conditions of life and compensation given to those individuals whose land that is being used.

I appeal to you to insist upon unbiased objective professional and thorough assessments of the environmental impact of such a project. I appeal to you to consider the implications of these actions in regard to the history of other such projects that have had some benefits and disadvantages.

From as much information as I now have I am opposed to having the test launches conducted in this way. I do not want to reject the good that may come of this project or discount the good that already has. I do see a potentially unfavorable impact resulting from the project; it makes no compensation to the Hawaiians or the state for land use, it will contaminate water, land and air greatly. I do understand that sacrifices need to be made in all decisions and that nothing is all good or bad. But I do want decisions to be made with informed consent and conscious awareness.

I pray for us all to make the best decisions in caring for each other.

Thank you very much,


Maurizia Zanin

PO Box 738
Hanapepe, HI 96716

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2-311

WR358

Senator Daniel K. Inouye
U.S. Senate
Washington, D.C. 20510

Dear Senator Inouye:

Enclosed is a copy of the presentation I made at the EIS Hearing re STARS.

As Chairman of the Defense Appropriations Committee, you have the ability to stop funding on this wasteful, both to the environment and the budget, STARS appropriation. As our Senator, you are, I know, concerned, as we are who live here in Kauai. Please, please use your influence to stop funding for STARS and move the appropriation to another, more beneficial, use.

Mahalo nui.

Sincerely,



Carmela Tuck
P.O. Box 276
Koloa, Kauai, HI 96756
(808) 742-9618

2-312

WR358 (cont.)

Deputy Commander
U.S. Army Strategic Defense Command
P.O. Box 1500
Huntsville, Alabama 35807-3801

Attention: CSSD-EN-V (D. R. Gallien)

Re: Strategic Target System Draft Environmental Impact Statement

Dear Sir:

A family whose breadwinner is out of a job, deeply in debt and learning to exist on unemployment benefits must quickly learn to prioritize spending. It is not difficult for them to separate their basic needs from luxuries and to spend accordingly in order to survive. We as a nation are like that family. We are in a recession with a record deficit and must learn to prioritize. We must learn to spend on only our most basic needs and not on luxuries that we cannot afford. STARS is such a luxury. It is as unnecessary as it is expensive. We are in peace, not war. The only nation that has the capability of long range missiles is now no longer an enemy but a friend. That nation is itself, according to a recent article in the Honolulu Advertiser, considering stopping all missile testing due to ozone depletion, which is a worldwide concern.

As to ozone depletion, we, here in Kauai, are already experiencing ozone depletion. We cannot afford to have it further depleted by STARS. It cannot be restored once it is depleted. We cannot subject ourselves to the danger such a depletion would engender to ourselves, our family and friends. Also, our tourist industry would cease exist if that happened as our island would no longer be fit to live on, let alone visit.

The EIS does not address what would happen in the event of an accident. What are the measures that will be taken if a missile misfires or goes on an incorrect trajectory. What if it hits Niihau, or falls over a populated area of Kauai. The greatest casualties our nation suffered in Operation Desert Storm was from our own Patriot Missiles and the debris that fell on the barrocks containing our men and women in the service of our country. This could be our island and our people here in Kauai and Niihau.

Lastly, although the Marshall Islands is not part of our nation, it is a friendly island nation that we have damaged and will continue to damage with STARS. They do not deserve this. They have treated us as friends, and we have repaid them with inhumane treatment and apartheid. If you have not seen the film "Home On The Range", please do so. It is a testament to our failure as a nation to respect another nation and its people. We take pride in our nation

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WR358 (cont.)

individual we are supposed to follow the Golden Rule to treat other nations as we would be treated. Yet, here we are the bully, and as an American I am ashamed.

I ask that you consider these words and act accordingly, with good conscience, as to what is in the best interest, not only of our nation, but all nations on this planet earth.

Thank you for allowing me to share my concerns.

Sincerely,

Carmela Tuck
P.O. Box 276
Koloa, Kauai, HI 96756
(808) 742-9618

2-313

WR359

1 5-12

Senator Daniel Inouye
United States Senate
722 Hart Senate Office Bldg.
Washington, D.C. 20510

Re: Stars RIS

Dear Senator,

First of all, I do support the Pacific Missile Range Facility, Banking Sands. However, I do not support Stars SDI because:

1. The possible threat to lives in the event of an accident. We have no reasonable evacuation plan in case of explosion on the launch pad.
 2. The RIS for Stars did not adequately address the potential negative environmental impact this program may have.
 3. The threat to our tourism industry in the event of a mishap.
 4. The Stars and EDX testing are having a negative impact on social, cultural and environmental resources of the native peoples of Marshalls Island of Kwajalein and native Hawaiians who have similar concerns.
 5. Our national budget cannot afford this program. SDI makes no sense today, as we no longer have Russia to worry about. SDI as you know is an offensive and not a defensive system.
- I ask that you do not fund the SDI program.
Thank you for your consideration.

Sincerely,

Lucille Veaeili
1610 MAKANUI Rd.
Koloa, HI 96756

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HONORABLE SENATOR INDIYE
U.S. SENATE
WASHINGTON D.C. 20510

DEAR SENATOR INDIYE

I AM WRITING TO YOU TODAY BECAUSE OF MY
GRIEVING CONCERN ABOUT THE STARS PROGRAM.
IT'S ONLY BEEN SINCE THE REAGAN-BUSH PRESIDENCE
THAT THE DEFECT HAS GONE OUT OF SIGHT, THE
STARS PROGRAM IS A MAJOR REASON FOR THIS, THE
PROJECT SHOULD BE STOPPED FOR THIS REASON ALONE.
30 BILLION, NOTHING TO SPEAK FOR IT. 30 BILLION,
AND ANOTHER 40 TO 75 BILLION NEEDED. YOU NEED TO
STOP THIS NONSENSE NOW. Balance the Defect!
STARS IS DESIGNED TO STOP INTERCONTINENTAL BLISTIC
MISSILES, FOR A COUNTRY TO COME UP WITH AN ICBM
IS EQUIVANT TO HAVING THEIR OWN SPACE PROGRAM,
WHICH TAKES YEARS OF RESEARCH & BILLIONS OF DOLLARS, WHICH
THIRTYTHREE COUNTRY HAS THIS KIND OF TECHNOLOGY & MORE?
IF THERE IS A THREAT TO OUR COUNTRY IT WONT BE COMING ON AN
ICBM. STOP THIS WAST OF TAX DOLLAR SPENDING!

I AM A PROPERTYS OWNER OF THE ISLAND OF KAVAI,
WHERE THE ARMY IS THREATENING TO LAUNCH 15 ROCKETS
A YEAR FOR THE NEXT 15 YEARS, I STRONGLY OPOSE
THIS STARS TEST PROGRAM, AND URGE YOU TO USE YOUR
POWERS TO STOP THIS THREAT TO OUR SACRED AND
PRIZED WAIKAI ISLAND HOME. THE LAUNCH FACILITY
NOTHING DUNE MOST SACRED SPOT ON KAVAI. TO MY
KNOWLEDGE, IT IS CONSIDERED THE ROADWAY TO ETER
I THINK YOU KNOW HOW CULTURALLY SIGN
FYND OUR HAWAIIAN ISLANDS ARE! KAVAI
FRANCIS TO BE EVEN ONE ACCIDENT.

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2-314

THE POLARIS ICBM ISLANDS AS WE ARE
WE DID POLARIS MISSILES WITH A HIGH RATE OF FAILURE
THE ENVIRONMENTAL USE INTEREST, 792 POUNDS
YEAR OF FREON 114B2 THAT WILL BE RELEASED INTO OUR
ATMOSPHERE, BROMINATED FLUOROCARBON DEPLETES THE
OZONE LAYER. WE MUST ACT TO PROTECT OUR OZONE LAYER
NOW. WE HAVE GOT TO BECOME RESPONSIBLE FOR OUR
ENVIRONMENTAL IMPACTS FOR FUTURE GENERATIONS TO
COME.

ONE OF THE MOST CRITICAL ISSUES CONCERNING STARS
LAUNCHES IS THE MARSHALL ISLANDS AND THE PEOPLE
LIVING ON THE ISLAND OF BIKINI. THREE FISH ARE
YEARLY, FOR THE PEOPLE OF THIS ISLAND AND TRADITIONAL
LIFESTYLE. OUR GOVERNMENT IS GOING TO HAVE TO
ANSWER TO THIS 40 YEARS OF TAX GETTO OF THE
HOW CAN WE SUPPORT A PROGRAM THAT ELISITS
TO PROVIDE A "PAC" SHIELD WHILE INFLECTING SUCH A
ON OUR NEIGHBORS IN THE MARSHALL ISLANDS

SO ITS WITH THESE FACTS THAT I URGE YOU TO TAKE
ACTION NOW ON THE STARS PROGRAM AS HEAD
OF THE DEFENSE APPROPRIATIONS COMMITTEE, YOU ARE
THE ONE WHO CAN MAKE THE DIFFERENCE FOR KAVAI.
I AM LOOKING FORWARD TO YOUR ACTION ON THIS PROGRAM.

Thank you
Robert McHenry
10/10/86
10/10/86

I am writing to you in regards to the STARS program on Kauai.

I am very much against the STARS program. My reasons are;

1. STARS is not safe.
2. STARS is damaging to the environment.
3. STARS costs too much money.

First of all, I don't think that STARS is safe enough and many noted scientists agree that STARS is very unlikely to work. The Army keeps insisting that the 20 year old Polaris missiles are completely refurbished and have a 97 percent reliability rate. The Army also tries to reassure us that there has never been a denotation or explosion of Polaris booster in flight. Contrary to these "facts" given by the Army, there has been termination of two rocket launches. Last December there was a rocket explosion at White Sands, New Mexico. More recently, at Cape Canaveral a guidance missile, similar to the one to be used at PMRF, had to be destroyed shortly after liftoff. Cape Canaveral has a safety area of 18,000 square miles, while PMRF only has a 10,000 square foot safety area.

Secondly, the EA and EIS state that there will be no significant impact on the environment. I do not believe that at all. For one thing, there are freons in emissions from the missiles. Freons have similar properties as CFC's. Researchers from NASA blame CFC's for depletion of the ozone layer. Also, chemicals such as aluminum oxide, hydrazines, and hydrochloric acid will be in the payload of the missiles. These chemicals are known to cause death and disease in plants, animals and humans. Medical research has linked aluminum to Alzheimers disease. Further more,

hydrochloric acid is a deadly gas to humans. Recently, a California highway was closed due to a spill of hydrochloric acid. Also, exposure to chemical emissions from STARS missiles can cause respiratory problems.

Finally, I think the STARS program will cost too much money. I have seen figures as high as \$75 billion dollars! I do not want any of my hard-earned-tax-paying-money to be spent on STARS. I do not think the government has the right to be spending billions of dollars on STARS while there are millions of homeless people in the USA; while there is still no cure for AIDS or cancer; while most of the children in the USA live in poverty; or while most of the citizens of the USA have inadequate or no health care.

In summary, I think that the STARS program should be scraped! The USA needs to be using its money, resources and time for the tangible benefits of all its citizens. Finally, I think the military should remember that pollution knows no boundaries and that the citizens of the USA are not the only inhabitants of The Earth.

STOP STARS!

Brigid Mc Bride
Brigid McBride

P.O. Box 1476

Kapaa, Hi. 96746

April 2, 1992

WR362

INSTITUTE FOR SPACE AND SECURITY STUDIES

5115 Highway A1A South, Melbourne Beach, FL 32951, Tel. (407) 952-0600

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Dr. Robert M. Bowman, Lt. Col., USAF, ret.

Dr. Robert M. Bowman is President of the Institute for Space and Security Studies. The recipient of the Eisenhower Medal, the George F. Kennan Peace Prize, the President's Medal of Veterans for Peace, the Republic Aviation Airpower Award, The Society of American Military Engineers' Gold Medal (twice), and numerous other awards, he is one of the country's foremost authorities on space, the environment, and international security matters.

Until July, 1982, Dr. Bowman was Vice President of Space Communications Company, and before that was Manager of Advanced Space Programs at General Dynamics. From 1976 to 1978, as Director of Advanced Space Programs Development, he controlled about half a billion dollars worth of space programs for the Air Force and other Department of Defense agencies, including what are now the "Star Wars" programs. Included in his responsibility were all the High Energy Laser developments for space, the development of advanced surveillance spacecraft, including radar and infrared satellite systems, and the development of advanced space vehicle subsystems (computers, solar panels, gyros, thrusters, batteries, attitude control and navigation systems, etc.). During this period, Colonel Bowman also worked on space doctrine and strategy and established cooperative programs with other agencies.

Some of Dr. Bowman's previous positions were Deputy Director of Ballistic Systems (where he designed advanced ballistic missiles and warheads for all the military services) and Head of the Aeronautical Engineering Department and Assistant Dean at the Air Force Institute of Technology (where he initiated the Space Systems Design curriculum). From 1971 to 1974, Colonel Bowman was in charge of aeronautics for the European Office of Aerospace Research and Development in London, where he was responsible for Air Force and NASA contracts in Europe, Africa, the Middle East, and Southern Asia. He is a graduate of the Armed Forces Staff College and the Air War College. His military career included 101 combat missions in Vietnam, took him to 34 countries around the world, and resulted in some two dozen decorations.

Dr. Bowman is active in national and international professional societies and has chaired eight major conferences. He has preached at the National Cathedral and at churches of many faiths and has lectured at the National War College, the Army War College, the United Nations, the Industrial College of the Armed Forces, the Air Command and Staff College, the Congressional Arms Control Caucus, numerous ROTC units, and the House of Lords. The Los Angeles Times called him "probably the best public speaker in the country." His Ph.D. is in Aeronautics and Nuclear Engineering from Cal Tech.

An independent, non-profit, tax-exempt, publicly supported organization devoted to research and educational activities in the science and strategy of national security.

WR362 (cont.)

Lt. Col. Robert M. Bowman, Ph.D., USAF, ret.
 Institute for Space and Security Studies
 5115 S. A1A Highway
 Melbourne Beach, FL 32951

March 24, 1992

U. S. Army Strategic Defense Command
 P.O. Box 1500
 Huntsville, AL 35807-3801

re: Draft Environmental Impact Statement (DEIS)
 Strategic Target System (STARS)

Dear Sirs:

As a former Director of "Star Wars" programs under presidents Ford and Carter, I have been asked by citizens of Kaua'i to comment on the Draft EIS for the STARS program. My comments are attached.

Sincerely,


 Lt. Col. Robert M. Bowman, Ph.D.
 President, ISSS

Atch: Comments
 Bio

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2-316

WR363

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.
April, 4, 1992

Dear Senator Inouye,

This letter is to let you know that I and every one I know are strongly opposed to the Stars Program.

I understand the need for a strong defense, and am NOT opposed to PMRF

However, after having researched the type of missles, and their AGE and the high possiblity of an accident; I can understand the militance of those

opposed the these launches. And would be willing to put my self on the line in demonstrations blocking their launches.

Please help us to stop these launches.

Sincerely,

Susan Gailley
Susan Gailley

PO Box 737

Kilauea, HI 96754

Name

Address

Street Address

City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

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2-317

WR364

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

Dear Sir

It's really time to stop making war. We don't live in the stars, we are here on our planet. We are not at war in the stars. We all want to live in peace. Me and you. There is no place on this planet when these things are right to do. It's suicide. Our right to live is at stake. Do you wish to die in a nuclear war? Because that is what it is all about. There must be good works to do instead of this business of self-annihilation. That's how I see it.

Name

Address

Street Address

City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

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WR365

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

ALLS FAIR IN LOVE

AND WAR

PREPARE YOURSELVES

FOR THE WILL

OF THE PEOPLE.



Name _____

Address _____

Street Address

City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

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2-318

WR366

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES
TO KAWAJALEIN ATOLL



MISSILE WARHEAD IMPACTS IN THE
KAWAJALEIN ATOLL

Dear Senator Daniel K. Inouye,

I saw the documented film "Home on the Range" which shows how our U.S. "Starwars" program testing of missiles has destroyed the way of life of the Natives of the Marshall Islands, which have been forced on Ebeye. 10,000 people on a 65 acre Island. I am totally against this horrible abuse of human lives and Nature and will do every thing in my power to stop it. I hope you will find it in your heart to do the same

Sincerely,

Alberto Partida

P.O. Box 1494 Honolulu, HI 96714

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WR367

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL



MISSILE WARHEAD IMPACTS IN THE KAWAJALEIN ATOLL

2-319

You can't treat any human being, as worthy respecting their human rights. For people on the Kawajalein Atoll.

Stop them as human acts.

Keenan Muckabee

4544 KOAST
KAHAI, HI

96746

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WR368

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL



MISSILE WARHEAD IMPACTS IN THE KAWAJALEIN ATOLL

MAR. 22-97

DEAR SENATOR INOUE,
I WAS BORN & RAISED IN HAWAII & AM 45 YEARS OLD. I AM COUNTING ON YOU TO DO EVERYTHING YOU POSS. BY CAN TO STOP & ELIMINATE THE HORROR OF 'STARS' LAUNCHES - BOTH FOR THE SAKE OF MY HOME ISLAND & FOR THE HOME ISLANDS OF THE MARSHALLESE PEOPLE

I WILL SUPPORT YOU ON THIS IN ANY WAY THAT I CAN. PLEASE SENSE THE URGENCY OF THIS SITUATION & STOP STARS LAUNCHING & TESTING IN OUR PACIFIC RESOURCES.

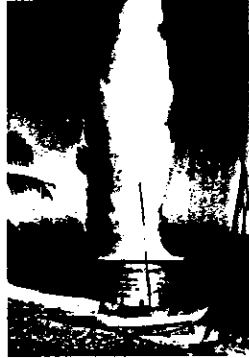
MALLAO AME MIALAMA PONO IA OE.

LARK MORTON
P.O. Box 387
HANALEI, KAUAI, HI
96714

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WFS69

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL



MISSILE WARHEAD IMPACTS IN THE KAWAJALEIN ATOLL

SENATOR Inouye

Please stop ALL MISSILE LAUNCHES

ON KAUAI - we will not be used as a test base. or wish to attract a fourth coming assault from another nation.

ALSO STAND UP FOR THE HUMAN DISREGARD THE THE U.S. GOVT HAS DONE TO OUR NEIGHBORS ON KAWAJALEIN!!!

Sincerely
Robert C. Laver
P.O. Box 867
Kilauea, HI 96754

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WFS70

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL



MISSILE WARHEAD IMPACTS IN THE KAWAJALEIN ATOLL

Dear Sir,

I HAVE JUST SEEN A DOCUMENTARY "HOME ON THE RANGE" ABOUT ~~THE~~ MISSILE LAUNCHES IN THE MARSHALL ISLANDS. I FOUND IT MOST DEPRESSING. IT MAKES ME EMBARRASSED TO BE AN AMERICAN. HOW CAN OUR GOVERNMENT BE SO CRUEL?

ITS TIME TO PUT A STOP TO THIS SORT OF THING.

I WOULD LIKE TO URGE YOU TO WORK TOWARD SA MORATORIUM ON MISSILE LAUNCHES ON KAWAJALEIN ATOLL. AS WELL AS PREVENTING ANYTHING LIKE THIS TO HAPPEN ON KAUAI OR IN HAWAII OR ANYWHERE. LIVES & CULTURES ARE AT STAKE THANK YOU FOR YOUR TIME.

HEIDI FARWELL
PO BOX 59 KEAUA HI 96751

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2-320

WR371

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL



MISSILE WARHEAD IMPACTS IN THE KAWAJALEIN ATOLL

For an initial report of the above message.

*Harry J. J. J.
P.O. Box 260
Mail Service Center
Kauai, HI*

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WR372

1. SDIO/SDC and DOE all studied the Polaris A-3 between 1984 and 1985 as one of the boosters to be used in connection with placing Dr. Edward Teller's recommended devices in space to counter the Soviet ICBM threat. As a result of these early studies, contractors reported to SDIO/SDC/DOE that the Polaris A-3 booster would perform reliably only 40% of the time. Following these results, as I recall, the Navy and supporting contractors were able to increase the failure rate of the First Stage and Second Stage modestly, but their V-u-graph presentations did not demonstrate a success rate of greater than 50% in 1985. These results were all based upon data obtained from tests conducted between 1960 and 1964.

The reason for this high failure rate resulted from the tendency of the booster's nozzle to stick a few seconds after launch. This problem destabilized the booster causing it to pitch and roll seconds after ignition in a manner that made it impossible to recover stability through a yaw (a roll-out maneuver). Although the Navy had reported to us in 1985 that it had resolved this problem as early as 1964, the contractors who briefed us provided contradictory evidence and data that made it impossible for us to verify the booster's actual reliability.

We faced both the uncertainty of assessing a booster developed twenty-five (25) years ago, but also had to consider the effect that extended storage—for a period of years beginning in 1967—may have had on these boosters. We have to face the fact that each of these boosters could behave differently. See: DRAFT EIS for STARS, pp. 2-15, and 2-16. Given this unpredictability these boosters must be considered potentially dangerous, especially because this is a sea launch SLBM that does not have a good track record over its lifetime.

Given the fact that we have not established the booster's reliability after all of these years, the costs and effects involved in implementing the proposed STARS program

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2-321

must be considered uncertain. Ironically, part of the Navy's interest in disposing of these boosters reflects the costs of continuing to store them. This rationale, however, does not support their contention that they have fixed the problems described above or can now assure us that the booster is now highly reliable.

2. I note a number of significant inaccuracies on the SDI/SDC EIS report, pp. ES-2, 2-16, and 4-8, in which the composition of the solid propellant is presented. I amended SDIO/SDC/DOE and contractor briefings in 1984 and 1985, and I recall that the company presented proprietary material describing the composite in the solid propellant that causes its exhaust gases to be extremely toxic and highly corrosive to many substances. The exhaust also condenses in a moist atmosphere and forms a dangerous fog (white powder). With winds blowing East to Southeast, if a Polaris A-3 had to be destroyed a few seconds after launch, the toxic exhaust gases described could not only harm the island of Kauai, but would also pose a threat to the other Hawaiian Islands. The impact would depend upon the atmospheric climate conditions and ocean currents present at the time of the aborted launch.

3. I also note that the sections of EIS for Stars assessing noise, pp. ES-6, and 3-39 to 3-42, and 4-40 to 4-43, appears inconsistent with data that I have seen on the Polaris A-3 type boosters, which has a design similar to the booster proposed for use in the STARS program. Data that I have seen indicates noise and sound pressure levels (which are not well covered in the EIS report) of over 150 dB's for 6 - 10 seconds duration during launch up to 1000 meters. The threshold of pain for individuals is 140 dB's at 1000 meters. In contrast, normal room speech entails noise at the 60 dB level. Therefore, the data presented on page 3-41 is particularly questionable.

4. I must regard the EIS analysis of alternative launch sites and launch vehicles, pp. ES-2, 2-34 to 2-38, as the worst glossing over of a significant EIS requirement that have seen in 23 years of work on space vehicles, ICBM's and ballistic missile defense. In order to reach any supportable conclusions about alternative launch sites and launch vehicles, these sections of the EIS will require major rework.

In conclusion, the significant technical problems I have described in the Polaris A-3's technical design require major overhaul and testing to insure the booster's reliability for use at the proposed launch site. Given the lack of evidence supporting this missile's reliability and its known toxic exhaust gas properties which can clearly endanger inhabited areas, I suggest a new study under the leadership of an experienced SDI/SDC program manager. Until that time, the Polaris A-3 booster should be rejected due to its past track record, which the Navy and its contractors have not accurately presented to the public in this SDI/SDC EIS draft report.

FROM THE DESK OF

JUDY L. JORDAN, M.D.

P.O. Box 730
Kilauea, Kauai,
96704
808
828-1646
TELEPHONE 422-0304
April 7, 1992

Dear Senator Inouye,

I would like to urge you to do whatever you can to discourage any missile launches on Kauai.

Of all the places the US Military has for these launches, surely Kauai need not be the place - an island with inhabitants within close range that cannot easily be evacuated, a place dependent on tourism, 2 lane roads for transport. You well know all the details of Kauai.

I'm not against the military, nor test launches - but why not use base in areas more suited to such things. PMRF - yes. Stars launches or any other - NO.

Thank you for your consideration

Aloha
Judy Jordan

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WR374

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL



MISSILE WARHEAD IMPACTS IN THE KAWAJALEIN ATOLL

Dear Senator Akaka -
 Mom! I'm very concerned about the future of Kauai. The Island is already feeling the impact of people, cars and their by products of waste. The star wars program will only compound these problems much more. I am very, very opposed to Star wars on Kauai. Testing rockets that are 20 yrs old from Kauai, the thought scares me to death! The ocean depiction is a very serious issue for us on Kauai, star wars will only compound it. I'm also very concerned about the hazardous chemicals that the program would subject our island to. Using a rare, lush tropical island as a launching pad for antiquated + dangerous polaris missiles is really absurd. Please help to stop it! Thank you + love
 Becky Mansfield

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2-323

WR375

Peace, in and of itself, is an Art.
 - NRC 501-30 -
 7 April 1992

U. S. Senate
 Senator Drouse
 Washington, D. C.

Dear Senator Drouse:

"No Star Wars operations on Kauai."
 In the light of the world, especially the U.S.A. crisis, it's time to consider extrapolating the banking war-machine industrial international complex from the world's survival problems: Kauai's comes harmony with nature

The Kauai Naval Base would make a superb solar energy plant of power for the island. ECONOMIC CONVERSION is essential. Joint military and civilian leadership is necessary to "think-tank" our way to harmony and balance with each other and nature. No one loses!

Sincerely,
 [Signature]

Executive Director: Joseph M. Salzbach • President: Karl Bissinger • Vice President: Mandie Carter
 P.O. Box 105, Hanalei, Hawaii 96714, 1-808-8-77518 • 1510 Brookview Drive Salem, Ohio 44450 1-216-332-1407
 Secretary: Frances Rabin • Treasurer: CIP • Program Developer: Laura Truswell
 80 Wooster Street, New York, New York 10012 • 7337 Holiday Road South, Jacksonville, Florida 32216 1-904-724-5585
 Field Representatives: Anne Ska • Dorothy Cassell • Legal Counsel: Clifford Case III, Att.

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WR376

APRIL 4, 1992

SENATOR DANIEL K. INOUE
722 HART SENATE OFFICE BLDG
WASHINGTON, D.C. 20510-1102

DEAR SENATOR

THANK YOU VERY MUCH FOR YOUR EFFORTS WHICH ULTIMATELY CAUSED THE U.S. ARMY TO PRODUCE THEIR DRAFT EIS REGARDING THE PROPOSED STRATEGIC TARGET SYSTEM MISSILE LAUNCHES FROM PAPER ON KAWAI. I AM, HOWEVER, DISSATISFIED THAT THE ARMY FAILED TO CONDUCT AN INDEPENDANT STUDY AS THEY HAD AGREED. ASIDE FROM THIS, THE EIS CLEARLY SHOWS THAT THERE WILL BE SIGNIFICANT IMPACT TO THREE ENDANGERED SPECIES AS WELL AS TO THE ENVIRONMENT, EVEN IF ALL GOES WELL. THE POTENTIAL RISKS OF DAMAGE TO THE ENVIRONMENT OF KAWAI AND ITS HIGHLY-FRAGILE TOURIST-RAISED ECONOMY ARE SUBSTANTIAL. THE POTENTIAL BENEFITS OF THIS PROJECT ARE QUESTIONABLE AND TOTALLY INSUBSTANTIATED, EVEN IN THE EVENT OF SUCCESSFUL TESTING.

I ASK YOU TO REPRESENT ME BY OPPOSING THIS PROJECT IN EVERY WAY POSSIBLE.

SINCERELY
Michael S. Suter

MICHAEL S. SUTER
3707 OMAO ROAD
KOLAA, HI 96756

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WR377

KAWAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL



MISSILE WARHEAD IMPACTS IN THE KAWAJALEIN ATOLL

From: US citizen
Nikki Bockwinkel
PO Box 781
Hanalei, Kauai
96714-

Dear Mr. Inouye - Please stop the Star Wars project here on Kauai and help is badly needed to these poor people in Kawajalein and Marshall Island. You must help us save what is even savable. I am so sad and mad about this. I feel powerless about the situation and want to do all I can do to help. It could happen to us and our families.

Thank you, *Nikki Bockwinkel*

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2-324

Sen. Senator Inoué, APR 20 AM 9:59 4-9-72

Some wanting to have peace on the planet, including here on Hawaii. I vote for no Star Wars support anywhere.

The only reasons I heard at the hearings for it were economic - people in fear that without this program they would lose their jobs (- why not create jobs that support peace?) and because of "defense." I don't see an enemy "out there" -- except us against the environment.

Let peace begin with me.

Sincerely,
Debra Joyce Cook DebraJoyceCook
PO Box 910
Kilauea HI 96754

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2-325

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL



MISSILE WARHEAD IMPACTS IN THE KAWAJALEIN ATOLL

Sen. Senator Inoué,

As a constituent of yours, I am writing to request you to vote against "Star Wars" testing on Kauai. From the threats to Kauai's environment to the juxtaposition of the danger zone to Hawaiian Homelands, this program would be a tragic error with devastating consequences.

I know that you have been an ally of indigenous peoples on the mainland. Please continue to be an advocate of indigenous peoples' rights by doing everything you can to help the Hawaiian people

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WR379 (cont.)

who have been forcibly re-located and some of whom are suffering ill health from radiation exposure.

Thank you for your help!

Sincerely,
L.J. Archambault
PO Box 1301
Kalaheo, HI
96741

2-326

WR380

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL



MISSILE WARHEAD IMPACTS IN THE KAWAJALEIN ATOLL

Betty Umanian
PO Box 245
KAWAJALEIN HI
96714

3/22/92

Respect Senator Inoue &

Please do everything you can to make amends to the people of the Middle Islands for all of our trespasses against them.

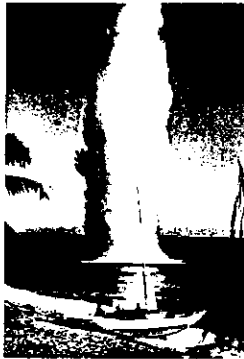
Use your considerable influence (moral and political) to have the USA DO THE RIGHT THING. The people of the Pacific Islands (and their lifestyles) are far more important than all the missiles of all the nations.

NO STAR WARS FROM KAWAI!
NO MORE US genocide and oppression in the PACIFIC ISLES.
MAHALO Betty

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WR381

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL



MISSILE WARHEAD IMPACTS IN THE KAWAJALEIN ATOLL

Dear Senator Inouye,

Please make every effort available to stop the missile landings from Bartley Sands on the island of Kauai, in which I am a resident and registered voter. I am deeply concerned about the quality of life on my island after the effects of the missile exhaust, etc., and about the effects of the missile landings on the atolls of the Marshall Islands on the people caused at Ebeye. Please do all you can to stop the inhumanity.

Dr. Martin White
PO Box 979
Lanai, H.I. 96765

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2

WR382

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL



MISSILE WARHEAD IMPACTS IN THE KAWAJALEIN ATOLL

Dana Shapiro
PO Box 628
Ketchikan, HI
96752

DEAR SENATOR,

AS AN ENVIRONMENTAL SCIENTIST BUT MAINLY AS A HUMAN BEING, I URGE YOU TO STOP ALL APPROPRIATIONS FOR THE STARS DEFENSE PROGRAM. NOT ONLY IS IT AN EXPENSE THAT THIS COUNTRY CAN NO LONGER AFFORD TO MAKE, BUT IT IS ALSO A BUTTANT VIOLATION OF THE BASIC HUMAN RIGHTS OF THE MARSHALLESE PEOPLE. THEY NEED THEIR LAND, NOT MORE BOMBS. THEY HAVE LOST THEIR CULTURE, THEIR HEALTH, THEIR ENTIRE WAY OF LIFE SO THAT WE CAN SPEND BILLIONS AND BILLIONS OF DOLLARS IN THE PREPARATION OF WAR. THIS IS 1992. WE NEED TO STOP FUNDING DESTRUCTIVE PROGRAMS THAT SERVE NOONES INTERESTS BUT WEAPONS MANUFACTURERS. FOR THE SAKE OF KAUAI AND THE MARSHAN ISLANDS PLEASE STOP THE FUNDING OF STARS.

Sincerely,
Dana Shapiro

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2-327

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES
TO KAWAJALEIN ATOLL

Dear Senator
Akaka,

I speak to you
who has lived in
Kauai has been
now and I wish
for as long as I



MISSILE WARHEAD IMPACTS IN THE
KAWAJALEIN ATOLL

as a Native Hawaiian
Hawaii all my life.
my home for 10 years
to remain there
can.

I oppose very strongly the Star Wars ~~the~~ rocket
launching project for several reasons.

1. It is a real and proven possible danger to the
health, safety and well-being of Kauai's citizens
including its visitors. Why subject us to this -
we ourselves are inviting the possibility of what hazardous
chemicals in transport + ^{rocket} launching can result in.
Would you want to live here knowing rocket testing
goes on and is polluting the air + water you breathe +
drink?
2. Any related accidents or mistakes as a result
of the rockets will quickly destroy the visitor industry
on Kauai and on other islands. Do we really want to
take this risk as well?
3. The millions + billions of dollars to fund the
Star Wars is needed to help our country's homeless,
poverty-stricken, education and cleaning up our

environment. With the Cold War over, why
continue to back defense projects which are
obsolete and do nothing to further the cause
of peace and well-being for all.

Please, as your loyal constituent, I strongly
urge you to do everything you can to stop
this project from happening on Kauai.

We are counting on you to see the uselessness
of this project and to support programs that
better ~~can~~ enhance our livelihoods and ^{preserve} our
unique island ^{community + its natural} beauty for generations to come.

Sincerely,

Marsha Keenan Hee

P.O. Box 261

Lihue HI 91766

"Ua mau ke ia o ka aina i ka pono"

WR384

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL



MISSILE WARHEAD IMPACTS IN THE KAWAJALEIN ATOLL

3-22-92

Dear Senator Simpson,

Please stop funding missile at the Kawajalein Atoll. Why do these missiles need to be for the U.S.A.

Frank Gonzalez
4324 Koa St
Kapaa HI 96746

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2-329

WR385

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL



MISSILE WARHEAD IMPACTS IN THE KAWAJALEIN ATOLL

Respect Karlie H. Sawyer,
I have just got a Home on the Range I am shocked at the awareness of what has & does exist on Kawajalein Atoll. & Ebye. I am now living on Kauai & here for the past several years. I have two daughters & two grand children just Hawaii (my mother also lives nearby). I am at a loss as to how to phrase my objection. Please Karlie, we are desperately seeking a total moratorium on any & all testing on our beloved Kauai & any & all testing or exploding with missiles, bombs, planes etc. I am sorry of the loss of your arm. I am also sorry about the loss of the beloved land of the Pacific Islanders. I am firm & devoted to protecting our Island from these known threats. I implore you now, please, don't now, stop this perpetration of atrocities now. I am speaking for my family. I am an American. I am an Italian

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WR385 (cont.)

I am fearful that through a people
will become disconnected with the belief
in the United States Government, Please
look at this problem. Its ours its now.
We're wild & angry We mean
business

I remain respectfully yours,

Juan Beckwithel
P.O. Box 781
Hanalei, Kauai HI
96714

2-330

WR386

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES
TO KAWAJALEIN ATOLL



MISSILE WARHEAD IMPACTS IN THE
KAWAJALEIN ATOLL

March 24, 1992

11:57 P:12:41

Dear Senator
Inouye,

I was born &
and am resident
for 10 years.
my home now
would be a

raised in Hawaii
of Kauai now
This island is
and I feel it
great mistake to

allow the Star Wars rocket launching & missile
testing to be done on this fragile, unique island.
The fact that it is also populated with 40,000
people also speaks for the insensible attitude that
it is a "safe" setting to have this project done
there. Would you want to live here knowing
any accident ^{as a result of} ~~related to~~ these rockets being launched
is possible? Wouldn't you feel concern enough for
the children and animals and other living creatures
being subjected to the danger of the transport of
hazardous chemicals to STOP this from happening
on Kauai? Please, do everything you can to
stop this project for the benefit of Hawaii's citizens
and everything that makes this a special

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WR386 (cont.)

and cherished home.

Also, if anything did go wrong and an accident occurred with the transport of chemicals or the rocket launches - can you imagine what the effect would be to the tourist industry?

2

Visitors would not only avoid Kauai but perhaps Hawaii altogether. Now that would be an enormous economic disaster for sure. So for the sake of our visitor industry, ^(and thousands of jobs that go with it) also - you must see that the Star Wars ultimately is a ^{big} risk economically as well as environmentally, and will affect the well-being of all residents detrimentally.

Thank you for your attention and support.

P.S. Let's not be blind to the lessons of Kwajalein Atoll - we would be killing our own selves to continue with this project.

Sincerely,
Maileha Hee
P.O. Box 261
Lihue HI 96766

3

WR387

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL



MISSILE WARHEAD IMPACTS IN THE KWAJALEIN ATOLL

OHAE SENATOR Inayle,

The Reagan, Bush new world order must come to an end -
IT'S TIME TO CUT THE MILITARY INDUSTRIAL COMPLEX OUT OF THE BUSINESS OF HUMAN SUFFERING -
OUT OF KAUAI

1

OUT OF THE MARSHAL ISLANDS
IT'S TIME TO STOP THE WARS

HEE MAILEHA
POB 590
KAUAI
96766

2-331

WR388

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL

my name is David Marcus. I am 14 years old. I live on Kauai. I am very worried about the way the "Star Wars" program



MISSILE WARHEAD IMPACTS IN THE KAWAJALEIN ATOLL

is going to affect the lives of people on & in Hawaii & especially the Kawajalein Islands. It worries me because with the small amount I do know about ~~the~~ what is going to happen I know there will be & already has been damage done in the Kawajalein Islands.

Please do all you can do to stop this for me & everyone who will experience the effects.
Sincerely DAVID MARCUS
P.O. BOX 1729 HANALEI, HI. 96714

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2-332

WR389

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL

3/22/92

E. UNANIAN
PO BOX 698
Hanalei, HI 96714



MISSILE WARHEAD IMPACTS IN THE KAWAJALEIN ATOLL

Dear Senator

Please do your best to prevent Kauai from becoming U.S. Army's testing ground for destructive weapons. Also please let's respect, and help victims of Marshall Islands

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WR390

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL



MISSILE WARHEAD IMPACTS IN THE KAWAJALEIN ATOLL

How about a
new idea you
can fire the
missiles from
the Kennedy Space
Center out towards
Vandenberg and
let them fall
somewhere in the
desert. Keeping the
testing entirely within
the boundaries of Continental
U.S.A., that way the
voting public and the
military can see what is
being done. We don't
need to send anything out
to the poor, made so by us!
the Marshall Island People.

when you live on
an island you
realize how special
the land is to
you.
Get on the ball
and stop all this
missile testing
try to balance the
budget. do what
you are said well
for. Stop all this
political
fighting. We the
People "Tax Paying"
want something
done Now!
Francis Heruman
P.O. Box 1364
Hanalei Kauai
HI 96714

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2-333

WR391

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL

3/22/92



MISSILE WARHEAD IMPACTS IN THE KAWAJALEIN ATOLL

Dear Senator,
I was
and thought I
paradise I have
about the Star
at Kauai. I want
program on air
do not want any
be launched with
the Kwajalein Atoll
islands. I further
to investigate the
Marshallese People's
have-land I want
the land returned to the Marshallese
People & the American military to leave
the Marshall Islands.

to Kauai 25th 1990
was having to
several found out
was missile prog
no the way
island. I further
were missiles to
the target of
in the warhead
want your commit
illegal use of the
I want

Thank you,
John P. [Signature]

5394 KAPAPA
KAPAA HI 96746-2235

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WR392

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL



MISSILE WARHEAD IMPACTS IN THE KAWAJALEIN ATOLL

LOVE
ALIA
OCEANA



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2-334

WR393

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL



MISSILE WARHEAD IMPACTS IN THE KAWAJALEIN ATOLL

March 22 1992

Senator Inouye,

As a citizen of Kauai I protest the missile launches to Kawajalein, these people have suffered terribly at the greedy hands of our government and deserve respect.

Please halt the Star Wars Missiles

NOW!

Signed, Malika Wlezbowski
Malika Wlezbowski
Gen. Delivery
Aiea, Hawaii 96703

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WR394

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL



MISSILE WARHEAD IMPACTS IN THE KAWAJALEIN ATOLL

March 22, 1992

Dear Senator Inoué,

I am writing to you to make known my total objection to further testing being done on any of the Marshall Islands. In particular I object to the Island of Kauai being used as a part of this testing and infringement of the Marshallese people in connection with missiles being launched from this Island.

It is in your power as a instrument of the voters of this State to act on the wishes of these fellow voters. I hope you give this issue a great deal of thought.

Respectfully,
Maryann Deane
P.O. Box 10684 Honolulu, HI 96714

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2-335

WR395

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL



MISSILE WARHEAD IMPACTS IN THE KAWAJALEIN ATOLL

Lihua, HI March 19, 1992

Senator Inoué,

I applaud you to vote against the missile testing program. I hope you will stop the testing program in the Marshall Islands. In the past years the potential damage to the Marshall Islands, the impact on international relations, and the cost of the testing program. There are many other ways to further our defense without testing in the Marshall Islands.

M. M. Jones
287 Kapaemahu St
Lihua, HI 96766

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WR396

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL



MISSILE WARHEAD IMPACTS IN THE KAWAJALEIN ATOLL

I do not support the missile launches on Kawaijalein Atoll. They have human rights & need our respect. I want a moratorium on missile launches to Kawaijalein Atoll. Stop now! Listen to our needs now, I demand that you stop this inhumane practice now.

Luella Churchill
5394 Kuapapa St.
Kapaa, HI 96746
223

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2-336

WR397

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL



MISSILE WARHEAD IMPACTS IN THE KAWAJALEIN ATOLL

Mercedes White
PO Box 290
Lewiston, HI 96745
(808) 332 8884
19 March 1992

The Honorable Daniel Inoué
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510

Honorable Sir,

My name is Mercedes White. I am a 17 yr resident of the Island of Kauai, married with 3 children and a professional artist. As a registered voter I am writing to you because I have just viewed the film, Home on the Range, produced and written by Adam Horowitz that depicts life after missile launches occurred in Kawaijalein Atoll. I am asking that a moratorium on missile launches ^{to Kawaijalein} be put into effect immediately. Human Rights are being violated & our government ~~has~~ has a direct responsibility to stop this. I appreciate your attention to this matter. Mercedes White

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10000

WR398

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL



MISSILE WARHEAD IMPACTS IN THE KAWAJALEIN ATOLL

Dear Senator

Please use the authority and position of power you have to cancel the "stars" program on Kauai. ^{detested} The effects of this program ~~is~~ ^{is} environmentally, culturally and in other ways in no way merits its development here.

Please senator - I have lived here in Kauai now for some time. It is clear to me that many local people think only in terms of the immediate, the jobs & that they think this might bring to their island. Isn't it time to give the long term picture more weight than the immediate? Isn't it time that the words of Dr. Sauer be listened to? Please consider the plea of those of us who are motivated enough to write to you. Please use the knowledge I am sure you have been exposed to by your work with indigenous people. Please put a stop to the stars program. I am sure the money powering the military war machine can be put to other uses. Please consider deeply your role in this and I urge you to hear us, and vote against Stars.
With thanks - Ann M Zouha PO Box 628, Kekaha, HI 96752

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2-337

WR398

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL



MISSILE WARHEAD IMPACTS IN THE KAWAJALEIN ATOLL

Dear Senator Daniel K. Inouye,

We do not want any missile launches from Kauai and we want The Marshall Islanders to please be respected.

Sincerely,

Deborah Forester
P.O. Box 867
Kilauea, HI.

96754

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WR400

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL



MISSILE WARHEAD IMPACTS IN THE KAWAJALEIN ATOLL

2-338

Dear Senator Inouye -

I am outraged at the stripping & raping of the people & land of the Marshall Islands. Please withdraw all missiles & testing of missiles in the D.O.I.F.I.C! We have no right or legitimate reason to continue this deprivation & destruction of these innocent people. Please stop this! We have a call who line in the Pacific, a right to safety & dignity!

Wendy Mitchell
PO Box 930
Kilauea, HI 96754

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WR401

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL



MISSILE WARHEAD IMPACTS IN THE KAWAJALEIN ATOLL

Gary Bennett
Box 210
Hanalei, Hawaii
96714

Dear Senator Inouye,

I have been an active opponent of the Stars program for two years. I sincerely believe this is an act of madness on the part of our government to fire missiles into the land of the indigenous people of the Marshall Islands. We have brought death, destruction, disease and completely destroyed their way of life, their culture, their reason for being. We on Kauai are outraged at this and outraged that our island should be used as a launch pad. Take the needed steps, Senator to make this a more human world. The power is in your hands.

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Sincerely,
Gary Bennett

WR402

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL

From
Caron Diamond
PO Box 536
Hanalei HI 96714



MISSILE WARHEAD IMPACTS IN THE KWAJALEIN ATOLL

To Honorable Daniel Inouye -

Please, please stop the planned missile launchers from Kauai to Kwajalein. The Kauai ozone and environment is far too important to risk. Our Native Hawaiian population deserve respect for their lands as well as the Kwajalein people.

Please respect the aiaa, no missile launchers from Peaceful Beautiful Kauai.

Sincerely Caron Diamond

PO Box 536
Hanalei HI 96714

2-339

WR403

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL



MISSILE WARHEAD IMPACTS IN THE KWAJALEIN ATOLL

March 19,
1992

Dear Senator Inouye,

I ask that you take a strong stand against the testing of missiles. The manner in which this has effected the Marshall islanders is disgraceful. -It makes me truly ashamed to be an American when we displace and destroy the culture of the Marshall islanders. This testing must stop!

Thank you for your time and attention.

Steven P. Lohyrik
1702 Makoi St.
Lihue, Kauai, HI
96766.

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WFM04

To all who are concerned about our future:

Thank you for taking the time to seriously consider a decision that will have an impact on our lives.

There are many issues combined in this current vote about Star Wars and there are many of us who feel very strongly about each of them. When you consider giving an okay to Star Wars, it is a vote against much that we feel is precious, and much that has been taken for granted and abused in the past by the military-industrial complex of the United States: our land, our air, our water, our planet - all obviously critical to our survival as a species.

Political enemies come and go, as we have been blessed to observe in the last few years. If we continue to squander our resources defending an obsolete "us versus them" model of the world, we will only make our tasks more difficult as we turn our attention to reviving an injured planet.

Star Wars is an ill-conceived program. There are far too many risks and recorded failures to defend it intelligently. We can't afford to continue throwing money down the drain, nor can we continue to abuse our environment and expect that we will be sustained on earth as healthy peoples capable of responding to the challenges ahead. The costs to the environment have not been calculated or addressed. The costs to the world of wiping out indigenous people's cultures for the sake of industrial expansion have not been calculated or addressed.

We don't even know yet how much we have jeopardized or already lost. It's time to change our directions - to allow new alternatives to emerge, to use some of our resources to invest in restoring and sustaining, to SHOW SOME RESPECT FOR OUR EARTH, OUR FELLOW BEINGS, AND OUR FUTURE.

Thank you for your serious consideration. It can only lead to a NO vote for STAR WARS and any further military escalation on Kauai.

and Please - repatriate the Marshallese from Ebeye to their land.

Respectfully submitted,

Clair

Clair
PO Box 1525
Hanalei, HI 96714

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2-340

WFM05

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL



MISSILE WARHEAD IMPACTS IN THE KAWAJALEIN ATOLL

7-19-92

Sinclair

"The entire Pacific Region" has no

use for US war money. The people of the Marshall Islands had a better standard of living under Japanese Rule. Plant trees - not missiles.

Mahali

*M. M. Anderson
Mehede O'Hara
1384 Kalia Hwy
Honolulu HI 96746*

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WR406

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES
TO KAWAJALEIN ATOLL



MISSILE WARHEAD IMPACTS IN THE
KAWAJALEIN ATOLL

DEAR SENATOR,

AFTER THE VIEWING OF THE FILM, "HOME
ON THE RANGE" I AM ASHAMED OF
AMERICA. I HOPE THAT YOU WILL BE ABLE
TO CONVINCING THE OTHER SENATORS THAT
WHAT'S GOING ON IN THE PACIFIC IS TOTALLY
SCREWED, AND THEREBY INSTIGATE SOME
CHANGES. MAKE US PROUD TO BE AMERICAN
AND HELP US PACIFIC ISLANDERS LIVE IN
OUR NATURAL WAYS. MAHALO

KIRBY KEOUGH
P.O. Box 418
LAWAI HI 96765

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WR407

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES
TO KAWAJALEIN ATOLL



MISSILE WARHEAD IMPACTS IN THE
KAWAJALEIN ATOLL

Dear Senator Inouye,

Please assist us in stopping the use
of Kawajalein Atoll as a testing site. At
some point we must stop operating in fear
of one another. Our fear has led us to
injure many innocent people - people that have been
willing to trust us. I strongly support stopping
the use of all testing sites. Thank you for your
support - you are our best hope.

Carol Ann Wishburn
PO Box 1525
Hanalei HI 96714

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2-341

WR408

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL



MISSILE WARHEAD IMPACTS IN THE KAWAJALEIN ATOLL

I offer my support to the people of the Kawajalein Atoll. We can never fix the damage that has been done, by the U.S. government, to their homeland and lives. But we can prevent future damage by stopping all missile launches. It is hard to fathom what we have done to these wonderful people. We must stop the damage & destruction!

Karen Bacon Polioch
PO Box 870
Kilwea, HI 96754

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2-342

WR408

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL



MISSILE WARHEAD IMPACTS IN THE KAWAJALEIN ATOLL

To whom It may Concerns

The conditions which the Marshallese people would be expected to endure as a result of a continuation of any missile activities is in my view intolerable.

with this in mind I respectfully request that the proposed moratorium be implemented without further delay.

Michael A Comini
Gen Delivery Kapa'a
HI 96746

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WR410

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL



MISSILE WARHEAD IMPACTS IN THE KAWAJALEIN ATOLL

3-18-92

Senator -

I hold you personally responsible for the terrible conditions on Oahu for the native people. Less apparent, but just as malicious, is the treatment of the Kanaka maoli over the last 100 years.

I hold you personally responsible for the last 30 yrs in Congress.

P.O. Box 372
Anahulu, HI 96703

Shame on you,
A. J. Field

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WR411

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL



MISSILE WARHEAD IMPACTS IN THE KAWAJALEIN ATOLL

Aloha Aenu
From the Kauai Ohana
"Protect Kaho'olawe"

Organization
Stop the Bombing and Missiles

Barbara Jean Craig
P.O. Box 1328
Lihue HI 96766

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2-343

WR412 KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL



MISSILE WARHEAD IMPACTS IN THE KAWAJALEIN ATOLL

Dear Senator Inouye,

If indeed you believe as I do that the people in Kawajalein are also human beings, you will do whatever you can to stop this insanity.

Marilyn Miki Kaipaka

PO Box 181

Hanalei St 96714

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WR413 KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL



MISSILE WARHEAD IMPACTS IN THE KAWAJALEIN ATOLL

March 23, 1992

To Senator Inouye,

I have just witnessed the film "Home On the Range" illustrating the tragic fate of the Marshall Islands people in Ebeye due to U.S. Missile testing

Please do your best to correct this situation.

We do not want any missiles to be launched from Hawaii!

Dale M. Dybbro
PO Box 361
Kilauea, Hawaii 96754

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2-344

WR414

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES
TO KAWAJALEIN ATOLL



MISSILE WARHEAD IMPACTS IN THE
KAWAJALEIN ATOLL

Aloha Senator Inouye -

Please exert all your considerable
influence to stop this madness on Kauai.
For the Hawaiian People - For the people
who have both adapted and been adapted
by this Island - For the children -
today's and tomorrow's - And for
the sake of God - who made this
Island paradise -

Help w all

Sarah (Sally) O' Donnell
MSD 144 - PO Box 3500
Fairview, Hawaii 96772

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WR415

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES
TO KAWAJALEIN ATOLL



MISSILE WARHEAD IMPACTS IN THE
KAWAJALEIN ATOLL

Senator Inouye -

I want military testing to
be ended on Kawajalein
Island

Sincerely,
Betty Owen
Kilauea, Hi
96754

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2-345

WR416

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL



MISSILE WARHEAD IMPACTS IN THE KAWAJALEIN ATOLL

Please don't let our island die! We don't want Star Wars here.

Dale Rosefeld
POB 269
Kapaa, HI 96746

1

WR417

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL



MISSILE WARHEAD IMPACTS IN THE KAWAJALEIN ATOLL

This is so obviously absurd! To neglect human rights, environment, common spiritual values, much more than neglect but ABUSE! STOP IT NOW! Is it really necessary to exploit Kawajalein atoll so severely, with such lack of respect for the first peoples there?! This is insane!

Collin Leach General Delivery Hihue 96766

1

2-346

WR418

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL

Robert Messel, Jr.
P.O. Box 3098
Princetonville, HI, 96732



March 22, 1992

The Honorable David Iwanaga
United States Senator
722 Hart Senate Off. Bldg.
Washington D.C. 20516

Dear Honorable Iwanaga:

The Pacific Islands, especially Hawaii and Kawajalein Marshall Atoll has been my homeland since I was 1 or 2 years old. These islands have a special and extremely sensitive eco systems that must not be disturbed or placed out of balance, which is exactly what shall occur should the madness of this STAR WARS SCHEME that is being forced on people here on Kauai. You have a moral obligation to insist on stopping of Star Wars in Hawaii as a representative of the Hawaiian and all people of Hawaii. And to insist on a restoration of the Marshallese people and their islands and throughout all the Pacific Islands.

For Gods sake - STOP STAR WARS!

Respectfully

Robert Messel, Jr.
Candidate for Governor
of the State of Hawaii '94

MISSILE WARHEAD IMPACTS IN THE KAWAJALEIN ATOLL

1

2-347

WR419

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL



MISSILE WARHEAD IMPACTS IN THE KAWAJALEIN ATOLL

Senator Daniel K. Iwanaga

Please check thoroughly on this situation personally. Do not be misled. Our life is precious regardless of color. I cannot believe what I have seen in the film titled "Home on the Range." Why haven't we read about the plight of these poor people?

M. E. Lybba

P.O. Box 361 Hanalei 96734

1

WR420

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL



MISSILE WARHEAD IMPACTS IN THE KAWAJALEIN ATOLL

Lihue, 3/15/92

Dear Mr. Inouye,
as a tourist of the Hawaiian Islands and as a physician I'm very concerned to hear about the situation of the Marshall Is. People on Ebeye. Just imagine Kauai being occupied and used as a missile launch platform and please imagine Hawaiians, American citizens being shut away from their homelands to a place with no jobs, hardly any land and poor conditions. International laws, human rights and your contribution should oblige you to help Marshallese people to regain their dignity and a workable living conditions. These experiments with human beings must stop!

Missile testing must stop, why don't you test in Arizona or better ^{in the Pacific} leave it at all 2

Show some respect for the Marshallese Culture or any culture different from the American culture!
Get out of Marshallese islands, stay on U.S. Territory!
Christine Knaps, Rehstr. 10, 7382 Bant, Germany

1

WR421

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL



MISSILE WARHEAD IMPACTS IN THE KAWAJALEIN ATOLL

March 19, 1992

The Honorable
Senator Daniel K. Inouye
Senate Office Building
Washington, DC

Respected Senator Inouye,

Having just viewed the documentary film "Home on the Range", depicting the human costs of the "Star Wars" missile defense program on the Marshallese people, I join many of my Kauai friends in urging your help to halt the plan to launch missiles from Kauai to the Kawajalein atoll.

With sincere thanks,
Respectfully,

P.O. Box 58
Kapaa, HI 96746

Maria C. Snyder

1

2-348

WR422

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL



MISSILE WARHEAD IMPACTS IN THE KWAJALEIN ATOLL

THE HONORABLE CHARLES K. INOYE,
I HAVE LIVED ALL MY LIFE IN HAWAII, 39 YRS.,
AND HAVE MET YOU AS A CHILD.

I'M ASKING YOU TO PLEASE STOP IMPACTING
THE PEOPLE OF THE MARSHALL ISLANDS WITH
OUR MILITARY TESTING. AFTER VIEWING "HOME
ON THE RANGE" I WAS SHOCKED TO SEE WHAT
HAPPENED TO THOSE PEOPLE AND WHAT LIES
IN THE FUTURE FOR THEIR CHILDREN. I'M SURE
THEY DESERVE IMMEDIATE ATTENTION AND
THE MISSILE TESTING SHOULD BE STOPPED
AND REVIEWED.
WHAT DO YOU INTEND TO DO ABOUT THIS?

MAMALO,
CHARLES LEE COWDEN
PO BOX 496
HANALEI, HI.
96714
(808) 826-9000

2-349

WR423

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL



MISSILE WARHEAD IMPACTS IN THE KWAJALEIN ATOLL

Senator Inouye
The situation
in the Marshall
islands is deplorable
disgusting, and makes
me embarrassed to
be an American.

March 17, 1992

What I am referring to is how the U.S. military
has displaced the Marshallese people from
their home lands, used them as guinea pigs
for nuclear radiation experiments, and robbed them
of their dignity as human beings and God's
children. These kinds of atrocities toward
less powerful people must stop. Please
use your power and influence to stop
STAR WARS testing on Kauai and in the
Marshall Islands. Thank you.

Ken Jones
PO Box 1659
Koloa, HI 96756

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WR424

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL



MISSILE WARHEAD IMPACTS IN THE KAWAJALEIN ATOLL

Dear Sir -

I am dead opposed to the Star Wars war project here on Kauai the Marshall Islands on any other location, you can also include space exploration.

I hope that the facilities in the Marshall be dismantled and P4RST and the military be removed from Kauai.

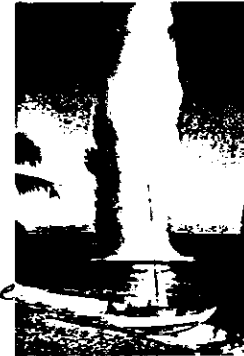
Raymond C. Reed
3411 Wilcox Rd #6
Lihue, Kauai HI
96766

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2-350

WR425

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL



MISSILE WARHEAD IMPACTS IN THE KAWAJALEIN ATOLL

Merry Mendelson
Box 942
Occidental, Ca 95165

The Honorable Daniel Inoué
United States Senator
712 Hart Senate Office Building
Washington DC 20510

Dear Honorable Senator Inoué,

As a frequent visitor to the island of Kauai it's saddens me to know that missile launching to Kawajalein Atoll is still occurring. Being a mother, concerned registered voter and activist for human rights, I don't want Kauai to be another launching pad like Ebeye. Tradition, culture and peace cannot be compromised. Please hear my plea for a moratorium on missile launching to Kawajalein Atoll.

Sincerely,
Merry Mendelson

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WR426

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL



MISSILE WARHEAD IMPACTS IN THE KWAJALEIN ATOLL

From
Gerard Wells
P.O. Box 345
Kilauea HI
96754

Dear Senator Inouye,

having met you at your fundraiser banquet on Kauai last year when you stated that an EIS would be required before Stars testing, we have come to respect you as a man who is truly concerned about the quality of life for all peoples. We trust that there is something which can be done to help the Marshalese people whose lives have been sadly affected by U.S. military testing. There must be a way to restore to these people their land and hence their health and dignity. Wouldn't this be a good time (politically and economically) to reduce military expenditures and also stop setting precedence for weapons in space. Thanks for your ear. Peace be with you.
gerard wells

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2-351

WR427

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL



MISSILE WARHEAD IMPACTS IN THE KWAJALEIN ATOLL

Felicia Buden
Box 293
Hanalei, HI 96714

826-2056

Mar. 22, 1992

Senator Inouye,

I support the motion that the Marshall Islands not be used as a location for testing missiles. The indigenous people should be respected. I feel America's past has been littered with such atrocities and these offenses should no longer be continued. Please use your influence to see that these people are restored their land and their dignity.

Respectfully,

Felicia Buden

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WR428

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL



MISSILE WARHEAD IMPACTS IN THE KAWAJALEIN ATOLL

Senator Inouye,

Please do what you can to keep the mission off of Kauai. This is not the place to launch these things. The people in Kauai do not deserve this injustice but does the land deserve to be associated in this fashion. The people of Kauai do not wait this long, you are not voice please let them know what we want.

Sincerely

Elvis Brissard
PO Box 3703
Lihue HI 96766

1

WR428

Dear Senator Inouye,
I urge you to please, using all the power you can, stop the Star Wars program from launching missiles from Kauai & all the Hawaiian Islands. My name is Elaine Mason. I am 14 years old.
Elaine Mason
1525 HAWAIIE ROAD
96714

The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510

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2-352

WR430

1/22/92
Hon. Dan Inouye
722 Hart Senate Office Bldg.
Washington, DC 20510

NO MISSILE'S
FROM KAWAI



The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510



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2-353

WR431

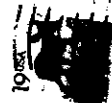
2/22/92

Dear Senator,
I want to state was
launched from our
island of Kawai.

I want you or your
Committee to investigate
the plight of the Hawaiian
island people of the
crushed conditions on these
island.

Sincerely,
John R. [Signature]
8394 Kua [Address]
KAPAA HI 96746-
2235

The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510



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WR432

Dear Hon. Inouye: 3/22/92 Robert Mease, JR
 P.O. Box 3098
 Princeville, HI, 96722

I do not want Missiles fired or Tested on Kauai, Hawaii or any where else in the State of Hawaii. I lived on the island of Kawoia between 1950-1953 and 1956-1959 returning to Hawaii to 299 State Road. America has severely damaged Maukaless People and should follow their islands and restore their life style. All the island of Hawaii are so precious to be conducting Star Wars Programs. Respectfully,
 Robert Mease Jr. Candidate for Gov of HI

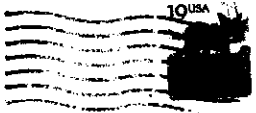
The Honorable Daniel K. Inouye
 United States Senator
 722 Hart Senate Office Bldg.
 Washington, DC 20510

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2-354

WR433

From:
 Deborah Forester
 P.O. Box 867
 Kilauea, HI, 96751



NO MISSILES
 ON KAUAI, we
 care about our lives
 and our children's
 lives.



The Honorable Daniel K. Inouye
 United States Senator
 722 Hart Senate Office Bldg.
 Washington, DC 20510

WR434

FROM: PAPA HANAIAN
 P.O. Box 192
 Hanalei, KAUAI HI
 96744

I can't believe it was
 you who let me know
 you were to give the
 STAR WARS MISSILE
 PROGRAM a nod at the
 meeting at the HANALEI
 JUST SAY NO
 PLEASE
 Stop counting on VOT
 from Hanalei,
 Betty

TO:
 The Honorable Daniel K. Inouye
 United States Senator
 722 Hart Senate Office Bldg.
 Washington, DC 20510



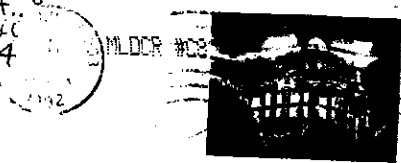
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WR435

Dear senator Inouye, 4-11-92
 I urge you to oppose the SDI program particularly in Hawaii. I'm a fifteen year old and with programs like this I'm afraid of what kind of world I'm growing up in. I'm scared of the future for myself, the world, and my children. I don't, and am sure you don't, want to see Hawaii to be a target due to SDI testing here. The cold war is over and our nation can not afford this extremely wasteful, costful, and harmful program. Please oppose all further appropriation for SDI particularly in Hawaii. Thank you,
 Sincerely,
 Amelia Borofsky

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Amelia Borofsky
 814 Kaupii St.
 Kailua, Hawaii
 96734



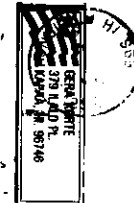
Senator Inouye
 U.S. Senate
 Washington D.C. 20510

Note Date
 Sequence Number
 032-1992

2-355

WR436

Dear Senator Inouye,
 the draft EIS for the Strategic Target System used 1979 statistics on whales and failure to mention 10 or more rare plants in the vicinity. Concluding impact on tourist industry, local population and precious native land to be insignificant. Please help us fight this bill!



The Honorable Daniel K. Inouye
 United States Senator
 722 Hart Senate Office Bldg.
 Washington, DC 20510

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WR437

LOUIS FERROTTA JR.
 P.O. Box 1705
 Lihue, KAUAI, HAWAII
 96766



To:

The Honorable Daniel K. Inouye
 United States Senator
 722 Hart Senate Office Bldg.
 Washington, DC 20510



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WR438

United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510

Dear Senator Inouye,

I am a marine biologist and part-time resident on KAUAI. I am opposed to implementation of the strategic target system and any STARS related activity on KAUAI. My main concern is that environmental impacts, especially marine environments have been inadequately addressed. I plan to make an oral and written objection to STARS during public hearings on KAUAI. Please consider my concerns.

Sincerely, Tom F. Neeris
PO Box 628 Kekaha HI 96752

1

WR439

D. FRIEDMAN
6611 OLONENA RD.
KAPAA, HI. 96746

HONOLULU HI 96820 033092 PM *****

To:

The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510

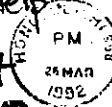
|||||

2-356

WR440

Dear Senator. Help!
Is this the way
we want to treat
our most precious
gifts? Are we not
allowed to preserve
what is best on our
planet? Why save the
dolphins if we risk
endangering the people?

Hay Post
Michelle's Story.
1384 Kahuio Highway
Kapaa, HI 96746



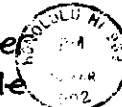
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The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510

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WR441

Dear Senator,
I may be younger
than most people
who will write but
we want this beautiful
place to be here
when we are older
like you, so please
support us in saving
it. Mahalo [Thank you]
Wallis Post
Michelle's Story,
1384 Kahuio Highway
Kapaa, HI, 96746



The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510

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WR442

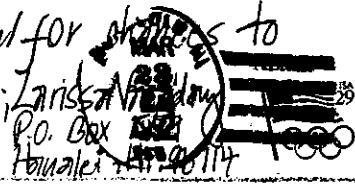
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Dear Senator Inouye -

Everytime I hear about what they're planning to at P.M.R.F. I can't believe what they say - it sounds crazy. Please try to stop them.

Hawaii is much too small and beautiful for shakers to be taken. Thank you, Larisa N. Inouye
P.O. Box 1177
Honolulu, HI 96814

The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510



2-357

WR443

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Please ^{MAIL AREA} no stay ⁹⁶⁷³⁴ ^{30 MAR 1992} ^{PM} ⁹⁶⁷³⁴ ^{USA} ²⁹
Kauai. No. Fleckets.
Respect for our island
and our earth.

The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510

Just
direct

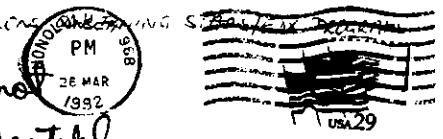
WR444

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TO THE RESPONSIBLE PERSONS

Please due not
due this to beautiful
land Please stop
and think is this
what we want to
due to this beautiful
Island - Thank you

The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510



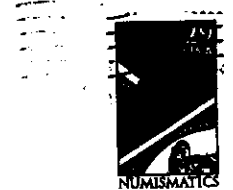
may you...
324 Kaula Highway, Kapaa, HI 96746

WR445

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DEAR SENATOR -
PLEASE TAKE THE
MILITARY OFF OF
KAUAI, &
THE MARSHALL
ISLANDS -
LEE LEE

The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510



WR446

Box 254
Kekaha, Hi
96752



No Missiles in
paradise!
please!!

Mahalo,

Meridith Peters
Fernandez

The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510



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WR448



I would like to see
want Star Wars project
here. We must think of the
future of the Island and
the people living here, not
just a few who want to
fill their pockets w/ govt
money now. This precious
Island cannot withstand
the abuse such a program
will entail. PLEASE
help stop this madness.

The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510



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2-358

WR447

JAN GREENBERG
P.O. Box 1810
Hanalei, Hi.
96714



FLICK #2



PLEASE

Save Kauai!

"No Star Wars"

Jan Greenberg

The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510

1

WR449

Dear Sir,
A short note ask-
ing your help in pre-
venting the Star Wars
Missile Launch site
from being on the
island of Hawaii.
We need an alterna-
tive here for income,
such as Agriculture,
Mahalo Dore Mahalo
P.O. Box 401 Hanalei, HI 96703

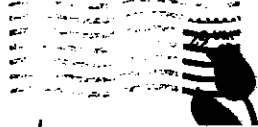


Senator
Daniel K. Inouye
722 Hart Senate
Office Building
Washington, D.C.
20510

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WR450

LORI Nichols
5286 MAKAIA
KAPAA, HI. 96746



NO, Missiles please!!

The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510



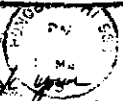
2-359

WR451

Dear Sir

I am writing to ask your
support and assistance in
stopping the Star Wars
program on Kauai.

Kauai is a unique and
beautiful place in the
World and the risks that
missile launching puts on
our home are not acceptable
to me as well as thousands
of others living and visiting
here. Please help us with
our cause. Mahalo for your support. *Kauihanu Viernes*



The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510

From: Kauihanu Viernes
P.O. Box 304
Hanalei, HI 96715

WR452

FAYE R. SCHOFIELD
P.O. BOX 175
KAPAA KAUAI, HI. 96746



The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510



WR453

Querton
5521 Kuamoo.
Kapaa Kauai

3/28

In representing the people
of Kauai, please vote
against missile testing of
the Star Wars Programs.
Do not be one of the people
who look back on today
and regret participating in
a short-sighted, self-serving
and disastrous program.

To

The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510



WR454

Lola Sabbatini
3240 Sterling Ave
Alameda, Ca 94501

My daughter + husband
live on Kawai and I
visit yearly. It is
not a place for missiles
It can do nothing
but harm the
island

Lola Sabbatini

The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510

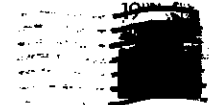


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WR456

Alpha Senator -
The people here
spoken - "No
missiles on Kawai"
you have the
authority to let
our voice be heard.
Sandra Grace
P.O. Box 372
Anahulu, HI 96703

The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510



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2-360

WR455

PLEASE
STOP STAR
WARS



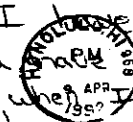
Mary Grace
P.O. Box 179
Anahulu HI 96703

The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510

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WR457

Mr Inouye I have seen much
The good you have done and I
noticed you when I lived in Hawaii
and saw you during the committee you
headed during the investigation of the illegal
funding in Nicaragua. I was very impressed
with you and I am asking for your help
in stopping the Star Wars launchers on
Kawai. I believe this island and its
people are very beautiful and caring and
for such a thing as missiles to be launched
or even hear is wrong. I will fight I hope
you will hear me and join me and help
Thank You
Mark Masters 6901 Leleia Place Kapaeha 96746



The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510

5/8/95 8:22 PM

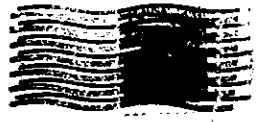
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WR458

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Don't STOP S&I ON KAUAI.

Remember the 'Aina. STOP the waste. Long - A Registered Voter



The Honorable Daniel K. Inouye United States Senator 722 Hart Senate Office Bldg. Washington, DC 20510

WR459

Dear Senator Inouye I am writing to implore you to do with your power to stop the "Star Wars" program here on Kauai. I feel very, very strongly opposed to this missile project being set up here or anywhere. Our land, our people will not be made more secure by more missiles but by more peace missions. Please, NO STAR WARS! Pamela Weber 4901 Kawaihau Road, Apt #202, Kapaa, Kauai, HI 96746



The Honorable Daniel K. Inouye United States Senator 722 Hart Senate Office Bldg. Washington, DC 20510

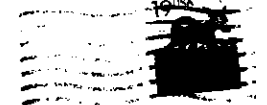
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WR460

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3/19/92

Dear Sen. Inouye; I ask you, as our state senator and head of the Defense Funding Committee, to stop the funding of the STAR missile program from our beautiful island of Kauai to prevent possible environmental damage to our island & the ocean lagoon and also the Marshall Islands. This is an unnecessary expense on both our budget & environment & not in the good interest of Hawaii or the U.S.



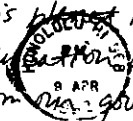
The Hon. Daniel K. Inouye United States Senator 722 Hart Senate Office Washington DC 20510 #147

Carla Turk

WR461

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the citizens of this island need food, shelter, education and basic services from our government. Our cries are going unheard and our citizens are feeling frustrated. Our youth is anxious and wondering what natural resources will be left for them. The excessive billions spent to 'protect' us from unseen 'enemies' is a crime why should every child born today owe \$100,000 to our government for a debt they didn't create? P.O. 237 Kilauea H. 96754 Hawaii Janet Kubaena



The Honorable Daniel K. Inouye United States Senator 722 Hart Senate Office Bldg. Washington, DC 20510

2-361

WR462

CHRIS BROUSSARD
PO Box 2903
Lihou, HI 96766

HONOLULU, HI 96813
PM
9 APR
1992



Dear Senator Inouye,

This is to inform you that I feel very strongly that Kava'i is not the place for launching these missiles. The importance of what has happened to the people at Kwajalein is equal to if not greater than that which we have done to the people of Hawaii. Please stop this war! Chris Broussard

The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510

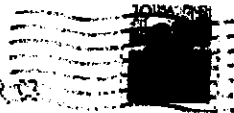
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2362

WR463

I believe strongly, after studying the issues and hearing the testimony on the DEIS, that the STARS program is a shameful waste of our hard earned tax dollars, and that the magnificent island of Kava'i should not be desecrated by war toys. Please help us keep paradise from becoming hell, and spare our Marshallese friends as well. Thank you, H. Mayall.

HONOLULU, HI 96813
DEC 03

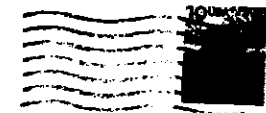


TO: ↓
The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510

1

WR464

THE NAME IS ANGELINA LEIHITU
PELLIA. JUST WAITED FOR
THE OTHER HALF OF THE NAME
"KAWA'I ON THE RANGE" TO COME



AGAINST THIS STARS
PROGRAM ON KAWA'I AND EVEN
ANYWHERE ELSE, AND I
AM REALLY GOING TO
SUPPORT RESPONSIBLE PEOPLE
FOR A RESPONSIBLE GOVT.
TO PREVENT ANYMORE
OF THIS BOMBING IN
KAWA'I.

The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510

ANGELINA LEIHITU-PELLIA
PO BOX WAHA RD.
LAHAALO HI 96744

1

WR465

Dear Senator Inouye,
As a concerned
of Kava'i I
want, nor content
'Stars' of "Stars"
on Kava'i. I do
not want our island
to launch missiles to
the Kwajalein Atoll,
and near Ebeye with
15,000 inhabitants.
I am aware of the
corruption behind this
defense program and
hope you are also.
Please help us stop it.
The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510
Sincerely,
Albert Peltis
P.O. Box 1494
Hanalei, HI 96714



1

2-363

WR466

DEAR SENATOR:
LET'S PUT A STOP
MISSILE LAUNCHING IN
THE PACIFIC MARSHALL
ISLANDS AND GIVE BACK
THESE ISLANDS TO THE
NATIVES TO LIVE AS THEY
WISH & HOPE TO. EB EYE
IS NO PLACE FOR 9000+
CITIZENS TO LIVE AND HOPE
FOR A FUTURE. HOW WOULD
YOU OR I FEEL LIVING IN
THOSE CONDITIONS



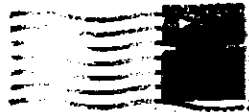
The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510

Don Rasmussen
P.O. Box 275
Kilauea HI 96754

1

WR467

Senator Inouye
Please check
the plight of the
people on the
Ebeye in the
Marshall Islands.
I cannot believe
what I have seen
in movie "Home on
the Range"



The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510

711 E. Oahu Kawai HI. 96754

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WR468

The Occupants of
Marshall-Islands are still
against the International
Law, which the United States
defended in Kuwait.
Leave the People of Marshall-
Island alone.
Dr. Albrecht Knapp
7882 Bairndt
Germany



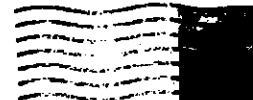
The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510



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WR469

Senator
The world does
need more war
Please do your part
to stop the madness.
Niklas Andersson
1384 Kuhio Hwy,
Kapala HI 96746



The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510



1

WR470

TO USA
PM
9 APR 1992
HAWAII

Dear Senator
Please help us!

The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510

Please do not allow
the star wars project to begin on
our island of Kauai. Having just
viewed "Home on the Range" makes
us scared for our homeland. Mahalo
Julien Harty

1

2-364

WR471

Dear Senator:
Please stop the
missile launching
at Bowling Green
Kauai.

PM
9 APR 1992
HAWAII

The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510

Respectfully,
Dr. Martin J. White
PO Box 977
LAWAHI, HI 96740

MAHALO

1

WR472

DEEKE BECK, ER
2672 PUAHOLE RD.
KOLAHA, KAUAI
HAWAII 96756

HONOLULU HI 968
PM
1 APR 1992

The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510

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WR473

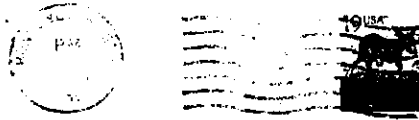
The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510

HONOLULU HI 968
PM
9 APR 1992

DEAR SENATOR, I HAVE A DEGREE IN ENVIRONMENTAL SCIENCE
FROM THE UNIVERSITY OF CALIFORNIA AND AM CURRENTLY ON
THE ISLAND DOING RESEARCH ON HUMPBACK WHALES. I HAVE READ
THE DRAFT EIS AND I MUST SAY IT IS NOT WORTH THE PAPER
IT WAS PRINTED ON! IT IS ESPECIALLY INADEQUATE IN REGARDS
TO THE STARS EFFECT ON THE NEAR SHORE MARINE ECOSYSTEM
WHERE HUMPBACKS WINTER IN ABUNDANCE. I STRONGLY
OPPOSE ANY STARS RELATED ACTIVITY TAKING PLACE IN SUCH
A DELICATE ENVIRONMENT. SINCERELY, DAN STARR
PO, Box 628 KEEKAHA, HI 96752

1

WR474



From Honolulu Hawaii

Please STOP THE MISSILE launches
from Kwajalein Island. The missile
launches to Kwajalein Island.

Our environment is far too precious
to risk. The Kwajalein people's homeland
and the Pacific Nations are not a dumping
ground

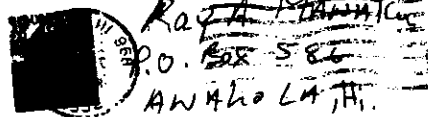
Sincerely
Caren Diamond

The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510

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2-365

WR475



Senator Inouye

I hui Kuuaka

Maoli. Sovereign heir
to the Kingdom of Hawaii.

Stop the missiles

Stop your government

from further Abuse of our
land's. Mahalo nui -

The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510

96705

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WR476

I do not want
STARS missiles in Hawaii!
I empower you to do what -
everyone can to stop
this project at once!



Please lets all stop

this senseless pursuit
of the USA war-machine.

Thank you for your concern
Jonathan Weber
4901 Kawaihau Rd #202, Kapaeha, HI 96746

The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510

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WR477

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL



MISSILE WARHEAD IMPACTS IN THE KAWAJALEIN ATOLL

Dear Senator Inouye,

We do **NOT** want Star Wars on Kauai (or anywhere else) and we do want the Marshall Islanders to be respected.

Sincerely

Ingrid Tillman

Ingrid Tillman
P.O. Box 818
Kilauea, HI - 96754

2-366

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WR478

Jim & Jennie J. [unclear]
3784 Dubena St
Lihue, Hawaii HI 96766



please no rockets!

Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510



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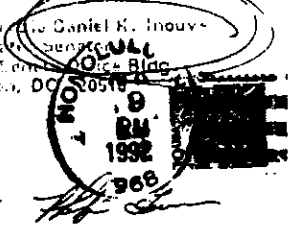
WR479

Dear Senator,

In the best interests of Kauai, Hawaii, & the world population please exercise your best efforts to halt all "STARS" related activities worldwide.

Please no "STARS" missile launches on Kauai!

Sincerely, Philip Freeman
P.O. Box 1120
Kukui, HI 96741



1

WR480

Darryl Waggoner
5201 Hukaloa Rd.
Kapaa, HI 96746



NO !!!

The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510



1

2-367

WR481

Charmaine F. ...
P.O. Box 234
Hanapepe, Kauai, HI 96716



I feel very sad and very angry
that the Marshalese have been
dumped upon so.

The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510

Nuclear weapons
should not be based in the islands
They should be in the front
yards of these who want them
Sincerely
Charmaine

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WR482

Aloha -
My daughter was born and
named on this island - I cherish
this beautiful peaceful place.
Please DO NOT continue the
Stars program. It is dangerous!
Mahalo B. Jarvis



B. JARVIS TO → The Honorable Daniel K. Inouye
5631A HAAUALA RD. United States Senator
KAPAA HI 722 Hart Senate Office Bldg.
96746 Washington, DC 20510

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WR483

Patricia Ka'iakapa
P.O. B. 736
Hanapepe, HI 96716



NO STAR
WAR MISSILES
FROM KAUAI
OR ANYWHERE
PLEASE!

The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510



1

WR484

DEAR SENATOR
 I'm in complete opposition
 to the firing of
 test rockets, nuclear or otherwise,
 to and from KAUAI AN OTHER
 PACIFIC ISLANDS. PLEASE HELP
 Kirby Keough
 P.O. Box 418
 KAWAI HI 96765

The Honorable Daniel K. Inouye
 United States Senator
 722 Hart Senate Office Bldg.
 Washington, DC 20510



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WR485

Dear Sen. Inouye,
 I am writing to
 you to help us to
 stop the states led
 missile launchings on
 Kauai & also to
 create a moratorium
 on missile launchings
 in the South Pacific.
 Thank you
 Heidi Fawcett
 P.O. Box 89
 Kapaala HI 96761

The Honorable Daniel K. Inouye
 United States Senator
 722 Hart Senate Office Bldg.
 Washington, DC 20510



1

WR486

Dear Sir,
 Please join myself & many other
 residents of help us oppose &
 put an end to missile testing
 on Kauai.
 Thank You,
 Sincerely,
 Paul Tessa
 4490 AIA RD
 KAPAHA, KAWAI 96746

The Honorable Daniel K. Inouye
 United States Senator
 722 Hart Senate Office Bldg.
 Washington, DC 20510

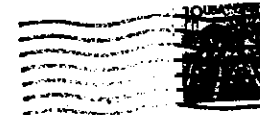


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WR487

Dear Senator
 Please pull the
 plug on the missile
 waste of money
 and well being of state
 on Kauai and the
 entire HAWAII program.
 for a better nation,
 a finer world
 Aloha
 Susan
 4478 HICK
 KAWAI HI

The Honorable Daniel K. Inouye
 United States Senator
 722 Hart Senate Office Bldg.
 Washington, DC 20510



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2-368

WR488

I was walking the beach
at Polihale when I spotted ~~Two Rocket~~
fuselages laying on the beach.

This is indictive of how clean
the military is! The Army does the EIS
with what incentive to police themselves
? I DO NOT WANT MISSILES LAUNCH
FROM KAUA'I!!! (Collin Leach 96766
General Delivery Lihue



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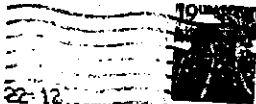
2-369

WR489

March 19, 1992

Senator Inouye,
I implore you to
protect our island of
Kauai from the
proposed. I am telling
opposed for this reason:
1) damage to the ecological
system
2) it is not an necessary
3) it is a waste of money. Remember
as a nation we are broke.

Mary Mitchell Jones
2811 Kapena St.
Lihue, HI 96766



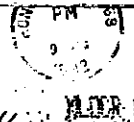
The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510

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WR490

CRAIG METTERWEZ
PO BOX 626
HAWAII HI 96714



The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510

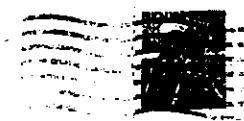
NO ROCKETS
IN PARADISE!



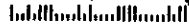
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WR491

David Jacobsen
P.O. Box 5500 - 100
Princeton HI 96722



NO ROCKETS
IN
PARADISE
Please!!!



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WR492

3-19-
 Dear Senator Inouye,
 I want to please
 vote against the deployment of
 missiles from Hawaii. - This is the
 time for serious work and
 money to be spent in education
 Especially here
 on Hawaii and
 the Marshall
 Islands?
 Sincerely,
 1702 MAKOI St. Lihue HI 96766



1

The Honorable Daniel K. Inouye
 United States Senator
 722 Hart Senate Office Bldg.
 Washington, DC 20510
 Steve Luda
 Seloyak
 HI

2-370

WR493

Aloha
 Senator Inouye
 Hawaii is the
 Garden Isle - not
 the Missile Isle.
 Thank you for demanding
 the EIS - can we have
 an independent EIS?
 Thank you
 CAROL BAIN
 P.O. Box 152
 Hanalei, Hawaii HI
 96710



The Honorable Daniel K. Inouye
 United States Senator
 722 Hart Senate Office Bldg.
 Washington, DC 20510

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WR494

Hon Ashburn
 281 BOSTON
 Kapaa, Hawaii
 96746



Respect Paradise
 Please

The Honorable Daniel K. Inouye
 United States Senator
 722 Hart Senate Office Bldg.
 Washington, DC 20510



1

WR495

DEAR SEN INOUE,
 PLEASE BRING PEACE + THE HUMANITARIAN
 BENEFITS THAT COULD BE MADE AVAIL-
 ABLE BY PUTTING MONEY INTO PEACE-
 FULL MEANS
 RATHER THAN
 EXPENSIVE TECHNOLOGICAL WARFARE
 EQUIPMENT.
 PEOPLE NEED FOOD.
 THANK YOU
 ST. LEONER
 P.O. 979 LAWAII
 HI 96765

The Honorable Daniel K. Inouye
 United States Senator
 722 Hart Senate Office Bldg.
 Washington, DC 20510

1



University of Hawaii at Manoa

Environmental Center
 A Unit of Water Resources Research Center
 Crawford 317 • 2550 Campus Road • Honolulu, Hawaii 96822
 Telephone: (808) 956-7361

April 13, 1992
 RE:0602

U.S. Army Strategic Defense Command
 Attention: D.R. Gallien, CSSD-EN
 Post Office Box 1500
 Huntsville, Alabama 35807-3601

Dear Sirs:

Draft Environmental Impact Statement (DEIS)
 Strategic Target System (STARS)
 Pacific Missile Range Facility, Kauai

The above referenced document addresses potential impacts associated with the proposed STARS program. The program's proposed activities are categorized as design, booster motor refurbishment and testing, fabrication/assembly/testing, construction, flight preparation, launch/flight/data collection, and data analysis. The program would involve launching the STARS booster with payload from the Kauai Test Facility (KTF), located on the Pacific Missile Range Facility (PMRF), Kauai. The booster would deliver target vehicles to the vicinity of the U.S. Army facility at Kwajalein Atoll, Republic of the Marshall Islands.

The Environmental Center has reviewed this document with the assistance of Charles Lamoureux, Botany; Marshall Mock, Physical Science/Kauai Community College; Anders Daniels, Meteorology; Roy Takekawa, Environmental Health and Safety Office; Michael Graves, Anthropology; Leonard Freed, Zoology; Michael Jones, Physics; William Grannis and Alex Buttaro, Environmental Center.

Archaeology

Our reviewers have identified the following procedural inconsistencies with regard to the development and presentation of archaeological impacts:

1. This DEIS appears to be part of a larger project which includes the EDX operations, and an as yet unconfirmed project which will be fenced together in a portion of the facility. State EIS regulations require that a group of actions proposed by an agency or applicant shall be treated as a single action when the component actions are phases or increments of a larger total undertaking (Title 11, Chapter 200, Section 7, DOH Administrative Rules).

U.S. Army Strategic Defense Command
 April 13, 1992
 Page 2

2. The DEIS states that a complete cultural resource inventory has not been conducted. Our reviewers suggest that an archaeological reconnaissance or survey is necessary to assess the significance of the historic properties potentially affected by the project and should be conducted pursuant to State of Hawaii Title 11 EIS Rules Sections 11-200-14, 11-200-16, and 11-200-17, which require that relevant data be obtained, necessary studies be conducted, and all relevant and feasible consequences and implications of an action be disclosed and evaluated.
3. The DEIS suggests that there will be some impact to archaeological sites in the area. What impacts are expected? Are any mitigations other than full or sample data recovery/research and documentation planned? If not, what is the basis for limiting mitigation to data recovery/research. Will any sites be preserved if determined significant? Since these sites are potentially eligible for the National Register of Historic Places, the National Historic Preservation Act (NHPA) and its regulations apply, including the provision that compliance under NEPA and NHPA be accomplished simultaneously. This DEIS does not comply with NHPA, in that the cultural and historic properties within the project area have not yet been evaluated in terms of the Section 106 review process as specified under NHPA.
4. No agreement with the State Historic Preservation Office in Hawaii or the Advisory Council on Historic Preservation on a mitigation or preservation plan for the potential archaeological resources in the project area has been discussed in the DEIS. Are there any agreements, and if so, what are they?

Freon

The DEIS states that during second-stage burn, up to 90 kilograms (198 pounds) of Freon may be released into the booster plume over the entire second-stage flight path. The DEIS further refers to the proposed annual release of freon by the STARS program of about 360 kilograms, (approximately 0.05 percent contribution to the world-wide release rate), as "minor." The significant factor distinguishing these freon releases from other releases throughout the world is the introduction of long-lived chlorofluorocarbon (CFC) releases directly into the proximity of the ozone layer. The DEIS should address potential impacts of ozone depletion resulting from the freon releases on the following:

U.S. Army Strategic Defense Command
April 13, 1992
Page 3

1. Current and projected incidence of carcinoma and melanoma;
2. Current and projected incidence of cataracts;
3. Possible reduction in productivity affecting marine fisheries and aquaculture;
4. Projected loss of tourism revenue related to various ozone depletion scenarios, and;
5. Breakdown and deterioration of plastics, paints, and vinyls.

Endangered Species

The DEIS failed to address off-site impacts of the proposed launches adequately. Our reviewers have suggested that the DEIS should include discussion of possible noise and air quality impacts to endangered forest birds residing offsite.

Ophioglossum concinnum is a Category 1 candidate for designation as an endangered species. In general, little is known about this plant, since it spends most of its lifecycle as an underground dormant rhizome. It appears at the surface only ephemerally, when leaves and sporangia develop in the 2-3 months after heavy rains. What mitigative measures are proposed for Ophioglossum concinnum and under what circumstances will they be implemented?

Nothing is known of the transplantability of O. concinnum. Under the provisions of the Federal Endangered Species Act, transplantation of Category 1 plant species O. concinnum may be acceptable at this time. However, at the point that it becomes officially declared an endangered species, transplantation will no longer be acceptable. It is our understanding that Category 1 plant species are projected for listing as endangered sometime in 1992. If specimens are identified on site after they are officially declared as endangered species, their disturbance, even for transplantation will no longer be legal. In addition, our reviewers are not aware that this species has been shown to be successfully transplantable, and they suggest that the U.S. Army try transplanting on an experimental basis.

Air Quality

In reviewing the air quality impacts for the STARS project several areas inadequately discussed in the DEIS have been identified.

1. The DEIS states that, in the event of a launch pad accident in which the entire missile detonates, although the emission levels might exceed acceptable levels for a short period, the potential impacts are not expected to be significant. What background data support this statement? Were any studies or analyses performed to anticipate potential disaster scenarios? The document should discuss the potential impacts of a launch pad accident in more detail.

U.S. Army Strategic Defense Command
April 13, 1992
Page 4

2. In the event of an accidental release, it is possible that an on shore wind might carry release products to the highway adjacent to FMRF and populated areas of Kauai such as Kekaha. What potential impacts of a release on populated areas of Kauai can be anticipated?
3. The document should present state standards for emission levels of carbon monoxide. Why is 3000 meters chosen for the 8-hour average concentration levels.
4. Our reviewers reiterate that the fuel vent experiments would contribute to further ozone depletion. Also, transporting and storing the hydrazine fuel needed for these experiments is very hazardous. We suggest that the EIS should therefore consider the "no action alternative" for these experiments specifically.

Launch Activities

Section 4.10.1.3 (page 4-53) states that it is unlikely that any flights would have to be terminated because of "an overall system reliability of 97 percent and a higher individual component reliability." Presumably most components can be tested separately to determine their reliability. One could then calculate the reliability of the whole system, assuming that failures of components are independent. Is this how the overall system reliability is determined? The crucial test of this calculation is to actually do test launches of the entire system. Some information should be provided with regard to the results of previous test launches of Polaris boosters to allow a better assessment of the likely reliability of the STARS booster. It should also be noted that, if the probability of a single successful launch is 97 percent, the probability of 40 successful launches is only 30 percent.

The scenario described on page 4-53 in which the booster was destroyed because it had pitched back toward the island should be described in greater detail. We note that this scenario is similar to the Aries launch failure at Cape Canaveral on August 20, 1991. Press accounts of the Aries failure stated that the destruct command from the ground was issued 23 seconds into the flight and that burning debris hit the ground "a few miles from the launch pad." The STARS EIS should indicate to scale on a map of the area around FMRF, where debris from a similar failure would hit the ground. Could a similar STARS failure be detected and the destruct command issued in 15.1 seconds as assumed in the DEIS?

TRUF & REEDM Computer Models

Our reviewers found the discussion of the TRUF and REEDM computer models used to calculate the concentrations of hydrogen chloride, carbon monoxide, and particulate matter, still inadequate. No detailed evidence is given to support the preference for the REEDM predictions as the better estimator. It is difficult to understand why these two models should yield

U.S. Army Strategic Defense Command
 April 13, 1992
 Page 5

18 results which differ by factors of 10 to 400. Why were'tnt the comparisons done for the same wind speed? Is the wind speed parameter significant? Tables 3-1 and 3-2 of the Supplement to the STARS EA, TRPUF results are given for a wind speed of 0.46 m/sec. Our reviewers believe this result is important, because the carbon monoxide concentration is predicted by TRPUF to exceed the Hawaii 1-hour air quality standard at the boundary of the launch hazard area. The REEDM results in the DEIS do not seem consistent with those given in the Supplement. For example, the peak instantaneous concentration (which should be nearly independent of the wind speed) of hydrogen chloride at a distance of 1000 meters is given to be 0.252 ppm in Table 4-5 of the DEIS but is 0.027 ppm in Table 3-1 of the Supplement. Such discrepancies cast considerable doubt on the reliability of the results quoted for REEDM. We conclude that the information given in the DEIS is not sufficient to provide confidence that STARS launches will have no significant impact on air quality. The TRPUF and REEDM models need to be compared for the same wind speed, and data from previous launches should be used to try to decide which model is the better estimator. Why has the DEIS neglected to include such information?

Impacts Upon the Marshall Islands

20 Our reviewers were surprised to find that this DEIS did not describe the potential impacts to the people and natural environment of the Marshall Islands. Are there no potential impacts, and if so, what is the basis for this determination?

Cumulative Impacts

21 The cumulative impacts of all planned launch activities at PMRF need to be clarified and considered in more detail. For example, page 2-25 mentions that during the ten years of STARS launches, there would also be three EDX and eight Vandal launches per year in some years. Appendix C indicates that the ground hazard area around PMRF for these launches might have to be cleared as many as thirty times per year. The Vandal launches were neither mentioned in the original STARS EA nor the Supplement, and the cumulative impacts of all these launches is considered only on land use in the DEIS. Other cumulative environmental impacts of these launches also need to be considered.

Significance Criteria

22 The evaluation of significance of some of the environmental impacts identified in the DEIS is inadequate. An obvious example is the discussion of freon release on pages 4-20 to 4-21. The 360 kilograms of freon 114B2 (also known as halon 2402) that would be released yearly by STARS launches is compared to the current amounts of CFCs in the stratosphere, but no mention is made of international agreements, such as the Montreal Protocol,

U.S. Army Strategic Defense Command
 April 13, 1992
 Page 6

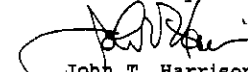
whose goal is to dramatically reduce the production and use of these ozone-depleting chemicals. Viewed in the context of these international efforts and efforts by the State of Hawaii to help protect the ozone layer, freon release by the STARS launches appear quite significant.

Public Recreation

19 Our reviewers note that increasing the fraction of time that parts of the PMRF recreational areas are closed to the public from 30% to 58% may be very significant to the residents and visitors of Kauai. Why do the preparers of this document regard such an increase to be insignificant? What would be considered significant, and why?

Thank you for the opportunity to comment on this document. We look forward to your consideration and response to our comments, which we hope were helpful.

Yours truly,


 John T. Harrison, Ph.D.
 Environmental Coordinator

cc: OEQC

Michael Jones
 Roger Fujioka
 Marshall Mock
 Anders Daniels
 Leonard Freed
 Michael Graves
 Roy Takekawa
 Charles Lamoureux
 Alex Buttaro

April 12, 1992

U.S. Army Strategic Defense Command
 CSSD-EN-V (D.R. Gallien)
 P.O. Box 1500
 Huntsville, Alabama 35807-3801

COMMENTS ON THE STARS DEIS

To Whom It May Concern:

I am writing to express my support for the Strategic Target System Draft Environmental Impact Statement. I work at the Pacific Missile Range Facility at Barking Sands, and I know that the programs carried out here are done so with the greatest possible concern for safety and the environment.

Based on the Draft EIS, which incorporates environmental and safety concerns raised by the public, I am confident that the STARS program will take unprecedented measures to ensure public safety and protect the environment. The willingness that has been displayed by officials of the Strategic Defense Command to listen to the public has further strengthened my confidence that all legitimate concerns will be fully addressed, and mitigations will be implemented to ensure that there will truly be no significant impact on the environment.

In spite of my confidence that this program can be carried out properly, there is one area that the EIS should address in greater detail. This is the impact that the no-action alternative could have on PMRF. A large share of PMRF's overall business is derived from research and development programs such as STARS. Research and development programs are a vital part of many of our jobs. As PMRF's largest R&D customer, STARS is important to PMRF's continued viability. Consequently, STARS will help to ensure the continuation of the benefits that the community receives from PMRF.

page 1

1

Page 2

Based on these facts, I believe that the EIS should go into greater detail in describing PMRF's long and continuing history of benefitting the community benefits the community. Additionally, I believe that it should be stated clearly in the EIS that under the no-action alternative Kauai would be much closer to losing PMRF and its benefit to the community than if the STARS program moves forward. Attached are some fact sheets obtained from the PMRF public affairs office which contain some information that is not included in the Socioeconomics section of the EIS.

If community activists are able to kill one program at PMRF, this does not bode well for the future of the base as a whole. It may be a surprise to some that the MR in PMRF stands for MISSILE RANGE, and it does not take a rocket scientist to figure out that the days of PMRF would be numbered if it is not allowed to launch missiles due to the rantings of extreme activists.

Sincerely,

Patrick Alvarez
 Patrick Alvarez
 P.O. Box 520
 Kekaha, Hawaii 96752

WR497 (cont.)

QUESTION: Identify all the dollars that flow into Hawaii's economy from PMRF, including salaries, construction projects, payment for utility services and any other areas of cash flow. If available, include information on the number of indirect jobs created as a result of PMRF.

ANSWER: Identified below are PMRF's estimated economic impact on Kauai and Hawaii for FY 92:

Salaries (military, contractor, civil service and Non-approp.)	\$30,397,000
Construction projects	\$ 7,400,000
Utility costs	\$ 1,707,000
Purchases	\$ 7,622,200
Expenditures for leases, travel, aircraft consumables, etc.	\$6,084,000
Combined operating budgets of tenant organizations	\$21,349,000
*Official visitors	\$ 3,334,500
Impact Aid Funds to schools	21,300

Total estimated economic impact: \$77,915,800

Jobs at PMRF include:

Civil Service	130
Military	134
Contractor	456
Non-Approp. Fund	65
Tenant Org.	124
Total:	909

*This figure is based upon 4,500 vehicle passes issued to visitors at PMRF who traveled on government orders to work at PMRF. The 4,500 was multiplied by 1.5 people (some travelers bring family members), multiplied by three days (average visit) totalling 20,250 visitor days x \$148/day per diem = \$2,997 million plus \$337,500 for vehicle rentals. (Note: Many travelers extend their visit when their official duties are done; the figure above does not reflect their extended visit.)

Other jobs created as a result of PMRF may include employees working for restaurants, financial institutions, hotels, insurance

WR497 (cont.)

companies, markets, utility, shipping, construction and office equipment companies, teachers, visitor industry employees and more. We do not have an accurate estimate for this category.

Additionally, many family members of PMRF employees work in the local community.

According to First Hawaiian Bank Research Assistant Bill S. Akamine, Jr., PMRF is considered a "sizable" employer on Kauai. Although it was difficult to determine our impact on Kauai's economy, he said "to date, Kauai has 29,200 jobs. However, a sizable portion is part-time jobs in the visitor and service industries. We can probably assume that most jobs generated by PMRF are full-time jobs that pay relatively well." Based on data obtained by PMRF during the drafting of the STARS Environmental Impact Statement, the average annual wage in the visitor industry was approximately \$17,900 in 1990, while the average annual wage for civilian personnel at PMRF was approximately \$34,000 in 1991. This data supports Akamine's statement that, "PMRF would be a major employer of higher paying jobs on Kauai."

2-375

April 1, 1992

1. As you asked, the following information provides economic data on PMRF's impact on Kauai's economy.

Economic Impact to Kauai due to activity at Sandia's Kauai Test Facility:

- ▲ KTF employs 14 permanent, on-site personnel
- ▲ KTF's \$850,000 to \$2.5 million annual operating budget is a beneficial factor in Kauai's economy
- ▲ KTF employs 50 to 75 transient personnel from the mainland during operational periods (60 days per year) for routine launches
 - ▲ Example: During ZEST launches conducted 2 and 10 September, SDI spent \$750,000 for lodging at local hotels and transportation of transient personnel who were onboard PMRF to support the launch.
 - ▲ Up to 100 transient personnel from the mainland may be employed at KTF for STARS and EDX launches. Support personnel will stay at local hotels.
 - ▲ Construction work at KTF carried out by construction companies located on Kauai

Pacific Missile Range Facility

- ▲ Civil Service Employees: 113 (approx. 77 percent are local hires)
- ▲ Military: 137
- ▲ Contractor: 456
- ▲ Tenant organizations: 140 (approx. 98.9 percent of contractor and tenant organization employees are local hires)

▲ Total expenditures (including tenant activities): 72.5 million

▲ FY 91 (PMRF) operating budget: \$50,155,000

- Civil Service payroll: \$5,600,000
- Military payroll: \$4,516,900
- Contractor payroll: \$19,500,000

▲ FY 92 (PMRF) operating budget: \$51,151,000

- Civil Service payroll: \$5,600,000
- Military payroll: \$4,706,600
- Contractor payroll: \$19,500,000

PMRF Construction costs:

- ▲ FY 91: \$5,237,000 (actual)
- ▲ FY 92: \$7,400,000 (estimate)
- ▲ FY 93: \$14.6 million (estimate)
 - Parking Apron...\$4.6 million
 - 13 family housing units...\$4 million
 - Special projects...\$6 million

Visitors (officials):

- ▲ 20,250 visitor days x \$148/day per diem = \$2,997 million + \$337.5 thousand auto rentals excluding extra days and family travel (Based upon 4,500 vehicle passes (on orders) x 1.5 people x 3 days (average stay))

PMRF Purchases (FY 91)

- ▲ Total purchases \$5,593,325
 - ▲ From small businesses \$3,467,862

- From minority businesses \$727,132
- From large businesses \$2,125,463
- Purchases within Hawaii \$3,915,327
- Purchases within Kauai \$3,500,000
- ▲ Purchases out of state \$1,677,998

▲ According to First Hawaiian Bank Research Assistant Bill S. Akamine, Jr. PMRF is considered a "sizable" employer on Kauai. Although it was difficult to determine our impact on Kauai's economy, he said "to date, Kauai has 29,200 jobs. However, a sizable portion is part-time jobs in the visitor and service industries. We can probably assume that most jobs generated by PMRF are full-time jobs that pay relatively well. Hence, in this respect, PMRF would be a major employer of higher paying jobs on Kauai.

PMRF, a good neighbor:

Members of the PMRF ohana have supported the following activities:

- ▲ Captain Cook celebration
- ▲ Armed Forces Day parade
- ▲ D.A.R.E. and "Just Say No" Waimea High School Volleyball Tournament
- ▲ FCA Toys for Tots Campaign
- ▲ Annual surfing contests
- ▲ Scouting
- ▲ Kauai Educational Association for Science and Astronomy (KEASA).
- ▲ Adopt a School Program
- ▲ Officer for a Day Program
- ▲ Anahola flood support
- ▲ Rotary participation to include \$10,000 scholarship
- ▲ Chamber of Commerce participation
- ▲ United Way
- ▲ Recycling program
- ▲ Federal Junior Fellowship Program (scholarship)

□ We here at PMRF are especially proud of the Federal Junior Fellowship Program. The program is a career-related, work/study program for students who are pursuing a baccalaureate or associate degree, or an undergraduate certificate or diploma. This scholarship program pays tuition, books and travel expenses for the student.

Additional points:

- ▲ PMRF has a full-time environmental engineer and actively supports/maintains several endangered species of plants and sea mammals that are found on base and on our beaches.
- ▲ PMRF's OSH safety officer, who is also a Hawaiian minister, advises the command on Hawaiian tradition, customs and sensitivities.
- ▲ PMRF's underwater data collection equipment is also used by the University of Hawaii for special data collection on whales and other marine creatures.
- ▲ PMRF provides area help to KPD; offers medical aid; search and rescue services, EMT support and our fire department works closely with the County fire crews to support the community.
- ▲ PMRF Range boats have saved the lives of fishermen...rescues at sea and towing in stricken vessels
- ▲ PMRF provides heavy equipment and labor support to the State of Hawaii, Department of Land and Natural Resources for repair of the access road to Poihale Beach park. Additionally, we support the County of Kauai with labor and equipment when County officials have requested.

WR497 (cont.)

In addition there is a mutual aid agreement between the County of Kauai and PMRF covering police services, firefighting services and medical services.

PMRF has an excellent relationship with Kekaha Sugar Company.

2. Information derived from the Draft Environmental Assessment reflect PMRF's total expenditures total \$72.5 million (this figure includes all activities and tenant organization expenditures).

2-377

WR498

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

Shortly after WWII, an underling in the State Department conceived the idea of a "cold war", sold the idea to the Secretary of State, who in turn sold it to the Administration and the terrifying arms race was born. Communist Soviet Union was selected as the cold war threat and was drawn in to the nuclear arms build up. Their involvement ended last year in Red Square when the military did not fire on the people assembled to protest.

Thus, the contrived reason for the cold war no longer existed.

Throughout history mankind has been threatened with disease, pestilence, plague, starvation, drought, natural disasters and wars, but mankind has never had a threat as great as the nuclear weapons build up the U.S. cold war initiative created.

That is one of the issues in this protest against Star Wars.

In Astoria, Oregon when my wife Sally O'Donnell, a County Commissioner, was trying to protect the Nuclear Free Zone County from the entry of the Trident Nuclear Submarine Alkabama, she was told by the Navy that the people may not want us, you may legislate against us, but it really doesn't matter; the U.S. Military will do what it wants to do in your County.

We were also told that the Alabama, when armed, and we can't tell you if it is armed at this time, has more fire power than everything combined that was used during WWII, in fact more firepower than all firepower expended since the beginning of time.

Name JAMES M. O'DONNELL

Address PO Box 3500 - 146144 Princetonville, HI 96722

Street Address

City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

1

WR488 (cont.)

Comments
O'Donnell
Page -2-

Nuclear weapons, nuclear submarines, (which incidentally are regularly off the shores of Kauai) and missiles do not belong on Kauai; **THEY DO NOT BELONG ANYWHERE!**

Western European nations do not want our Nuclear Military Installations.

The Philippines do not want them

Japan doesn't want them

Australia doesn't want them

Mayor Dinkins of New York City doesn't want them

THE PEOPLE OF KAUAI DO NOT WANT THEM!!!!!!!

In addition, the specious argument about the positive economic impact of a military installation is an insult to our intelligence.

The big losers in WWII, Japan and Germany have the strongest economics in the world, primarily because they did not have to waste money and resources on building armaments.

In contrast the Soviet Union has been bankrupt by the cost of the cold war and the United States has become a second rate economic power because of the cost of "defense."

When the people of Russia turned back the military in Red Square it left the United States as the only "advanced" nation that believes the world's problems have a military solution. How ridiculous is that position? What problems did the carnage the United States inflicted in Desert Storm solve?

This century began with countries who dealt in military colonialism ruling the world. Great Britain, the model the U.S. has tried to emulate was the strongest of these powers. But, in this century Britain has lost its' colonies, its' power, and has become a fifth rate nation.

The age of military colonialism and military conquest has passed. Not one country taken over or losing a war has remained permanently under the domination of the conqueror in 80 years.

It is ironic that Hawaii, a victim of U.S. military colonialism, has taken so long to regain its independence. Its' independence that it will regain will not be the independence it gave up, but when the military domination of Kauai ends, which is now represented by Star Wars and the military facilities here, the native Hawaiians will regain their homelands (because only the gun to the head has held back the restoration) and the rest of the State will begin to get out from under the false \$3 billion dollars of military expenditure that costs far more than it contributes.

WR488 (cont.)

Comments
O'Donnell
Page -3-

ADDENDUM:

On the second day of the public hearing the New York Times published on its op-ed page an article headed "Star Warriors on Sky Patrol."

That article is included with this testimony with the highlighted areas being of particular importance.

NEW YORK TIMES OP-ED - WEDNESDAY, MARCH 25, 1992

"The cold war had ended. Governments on both sides of what had been an iron curtain were making plans to convert nuclear weapons laboratories to civilian purposes and to begin dismantling their huge arsenals of nuclear missiles. But on a bitterly cold January morning in New Mexico, a hundred scientists gathered at the Los Alamos National Laboratory to discuss new nuclear armaments. Many of the nations's top experts on nuclear weapons and "Star Wars" were there, including the legendary father of the H-bomb, Edward Teller. The press was barred from the meeting.

It was a call to arms, according to reports of some people who were there. One speaker called for a fleet of 1,200 powerful new missiles to be made ready and armed with the world's entire arsenal of nuclear warheads. Dr. Teller himself urged the development of a new superbomb--ten thousand times more powerful than any bomb ever built, a bomb so powerful it could never be detonated on Earth."

2-378

Attendance/Mailing List
(Please print)

Name JAMES M. O'DONNELL

Organization Responsible Citizens For Resp. Govt.

Street P.O. Box 3500 - MSC 144

City PRINCETON, HI 96722

State/Zip Code _____

Please check box if you would like to be added to the Strategic Target System mailing list.

2-379

Star Warriors on Sky Patrol

By Robert L. Park

The cold war had ended. Superpowers on both sides of what had been an iron curtain were making plans to remove nuclear weapons from Earth.

Information on certain projects and to begin dismantling other types of nuclear weapons. But on the other side of the Iron Curtain, a hundred scientific groups in the Soviet Union were working to design new nuclear weapons. Many of the nation's scientists were dying, including the legendary father of the bomb, Edward Teller. The project was hurried from the drawing boards.

It was a dark era, according to reports of some people who were close. One scientist called for a form of "hot" atomic energy to be used to create a new kind of nuclear weapon. Dr. Teller himself argued the development of a new super-bomb was a desperate measure to prevent that any bomb ever built, a bomb as powerful as those now in development on Earth. He said Dr. Teller's belief was that the bomb would be used to prevent the world from falling into the hands of the Soviets. He said the bomb would be used to prevent the world from falling into the hands of the Soviets.

The story is still being told. One might be surprised to see, besides the names of Teller and his colleagues, the names of other scientists who were involved in the project. The names of other scientists who were involved in the project.

For Last December
In 1974, a surveillance satellite detected a huge explosion in the South Atlantic Ocean. The explosion was reported in the time of being a bomb attack (local nuclear tests) intelligence sources were unable to identify it. Today, the same experts suggest the satellite may have recorded the impact of a rocket about 100 miles from Earth with an impact equivalent to 100 million tons of TNT - many times the energy of the bomb that broke Hiroshima.

Robert L. Park is professor of physics at the University of Maryland.

Edward Teller wants to nuke asteroids.

Other earth-crossing objects appear to be the most common, though some are as large as the moon. It is not clear how many of these objects are headed for Earth. Some are headed for Earth. Some are headed for Earth. Some are headed for Earth.

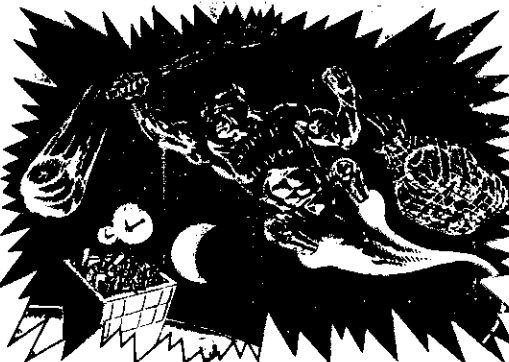
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2-380

WV488

I think you guys are a bunch of low life idiots trying to look good by dealing with big weapons. The army is a bad influence for little children growing up. They think the cool thing to do is to play guns and army and to shoot innocent people. Cause that's what society does. We don't want rockets in paradise.

OUR

Stay Island

chia/granda

Name: Chia Granda

Address: 633 Kanihau Rd.

Kapa, Hawaii, 96746

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WV488

4/7/92

Dear Senator Inouye,

We do not want to have the Star Wars Program on Kauai. We are concerned not only about the unforeseen environmental impacts and more damage to the ozone layer, but also negative consequences for the tourist industry, our main source of income.

We ask you to use your influence to stop it and respect the fragile balance and ecology of this small island.

Mahalo,

Ann Matthews
P.O. Box 869
Kilauea, HI
96754

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WFS01

Dear Mr. Gallien,

I live here on the island of Kauai, and to say that I'm appalled at the recent information I've been hearing would be a great understatement. I am very much against the recent Star Wars proposal. My vote against it would be based upon the many facts I've found.

- 1) the pollution to our very unique environment
- 2) the awful safety record of the launchings
- 3) It would put Kauai high on the hit list for opposing threats in a crisis of war, as opposed to a less populated island.
- 4) The lies that Aldric Saucier revealed about where our large amounts of tax dollars go
- 5) Lastly, the indescribable acts our country places upon another people and their land. We infested and ruined the Marshall Islands like an epidemic.

Dont involve me and my island in your power and money struggle. The world is sick enough.

M. H. Damron

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WFS02

12 April 1992

Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSED-EN-V (D.R. Gallien)
Post Office Box 1500
Huntsville, Alabama 35807-3801

Dear Sir:

I have read the Draft Environmental Impact Statement for the Strategic Target System, dated February 1992, and I agree with the overall finding of no significant impact. I watched the majority of the public hearings 24 and 25 March 1992 and I do not agree in any manner with the idea commonly proposed there by the opponents of the program of essential total destruction of the island of Kauai due to any impact on the environment of Strategic Target System related actions.

The only area in which I would like to see more data or analysis would be in the localized impact on stratospheric ozone levels. The document basically relates impacts to the total global environment, yet my understanding from the common media is that ozone is apparently being depleted in localized areas. While I still do not imagine a significant impact due to these proposed launches, I would like to see an analysis of the localized impact if possible.

To repeat, I agree with the overall findings in the Draft Environmental Impact Statement of no significant impact.

Sincerely,

Mark H. Damron
P.O. Box 706
Hanapepe, HI 96716

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2-381

Dear Senator Frouge,

We do not want to have the Star War program on
Kauai.

We are concerned not only about unforeseen environ-
mental impacts and more damage to the ozone-layer,
but also negative consequences for the tourist
visits, our main source of income.

The outcome the whole issue has already on the
relationship of the islanders is something very
saddening.

We ask you to use your influence to stop it and
respect the fragile balance and ecology of
this small island.

Sincerely,
Svenja Ernrich
P.O. Box 818
Kilauea
Hi. 96754

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Written Comment Sheet

Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

The Draft EIS is totally insufficient and was not
conducted by an independent organization. The
main source of income on Kauai is the visitor
industry. Our tourists are attracted by the natural
beauty of the island. The EIS did not satis-
factorily address adverse effects on our
economy of an accident or even the potential
of an accident. Kauai is home to many endang-
ered species which will be significantly
impacted by this project. For that reason
it is totally unacceptable to continue. It is
time we humans take responsibility for protecting
the rest of nature. No Action is called for.

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3

Name Susan Clayton

Address P.O. Box 113, Lawai, HI 96765
Street Address City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

WR505

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I would not like missiles here because I love the island I live on I also have friends all over the island so wherever it landed it would be dreadful. Not only that its an awfully expensive thing. I am 9 years old in grade four and I think they should spend the money on something more useful like education or medical services. In school we are learning about our earth, outer space, geography, and other countries. We should concentrate on finding peaceful solutions with misunderstanding with other countries. Kauai is a very peaceful island almost like Paradise used to be. To turn it into a military target would ruin it and its beautifulness. Why don't you put it somewhere where there is nothing to ruin in any way like families, beauty, or peacefulness.

How about putting it in the North Pole or the Aleutian Islands? You wouldn't hurt very much and it could reach a lot more places.

Sincerely,

Name _____

Address _____

Street Address

City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

2-383

WR506

4/10/92

Dear Senator Inouye and Mr. Gallien:

I strongly oppose the idea of Star Wars program on the island of Kauai for many reasons.

As a member of this community, and a supporter of PMRF, and a United States citizen I urge you to put a stop to the idea of STAR WARS program here.

I also have 3 teenage boys who feel the same as their mother.

Thank-you!

Debbie Stokes

Debbie Stokes

4720 Pelehu Rd
Kapaa, HI 96746

WRS07

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I HAVE A COPY AND HAVE REVIEWED THE DEIS. I AM NOT SWAYED TO BELIEVE ITS DETERMINATION OF NO SIGNIFICANT IMPACT ON THE ENVIRONMENT OF KILAUE. I OPPOSE THE STARS PROJECT ON THE PRINCIPLE THAT IT WILL AFFECT KILAUE AND THE EFFECTS OF THE LAUNCHES CAN ONLY BE NEGATIVE. I WON'T STATE ALL MY REASONS FOR YOU HAVE HEARD THEM ALREADY, MANY TIMES ONCE BY MY FELLOW KILAUEANS IN WRITING AND DURING THE HEARINGS (WHICH I HAVE ATTENDED).

WHAT ~~THE~~ ^{TRULY} WORRIES ME IS THE LIES AND PROPAGANDA FEED TO THE WORKERS AT PMRF. THESE PEOPLE ONLY BELIEVE THEIR JOBS ARE AT STAKE. I KNOW YOU SAID THIS WASN'T THE CASE IN ONE NEWSPAPER ARTICLE - BUT NOBODY SEEMED TO WANT TELL THE PMRF WORKERS. AT TUESDAY NIGHT'S HEARING (3/24) THE FOLKS FROM PMRF WERE SCREAMING THEY'D BE ON WELFARE IF THE STARS PROJECT DID NOT PROCEED ON THIS ISLAND. THIS IS A LIE AND

Name LORNAINE RICHMONDSON
Address PO BOX 801 KILAUEA HI 96754
Street Address City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

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WRS07 (cont.)

I HAVE TO BELIEVE IT IS A RUMOR THAT WAS PURPOSELY PLANTED IN ORDER TO PRECOUSE THE WORKERS AT PMRF TO STAND UP AND FIGHT FOR THE STARS PROJECT (IN ACTUALITY THEY WERE FIGHTING FOR THEIR JOBS).

THIS IS IMPORTANT. I DIDN'T HEAR PEOPLE PUSHING FOR THE MISSILE LAUNCHES BECAUSE OF THE BENEFIT TO AMERICA'S SECURITY - OR SOME SUCH OPINION AS TO THE BENEFIT OF SUCH A PROGRAM. NO, PEOPLE SPOKE UP FOR THE PROGRAM - FOR THEIR JOBS. THIS IS UNFAIR PROPAGANDA - IT IS USING FEAR AS A TACTIC AND IT ONLY SERVES TO DIMINISH MY FAITH IN YOUR LEADERSHIP.

* ALSO, I WOULD LIKE TO KNOW (I WOULD APPRECIATE A RESPONSE HERE) WHO PAID FOR ALL THOSE YELLOW T-SHIRTS. THE PEOPLE WEARING THEM (AND I ASKED SEVERAL) SAID THEY DIDN'T KNOW WHO PRODUCED THEM; THAT THEY WERE DROPPED OFF AT THE RANGE. WERE THESE SHIRTS PAID FOR BY TAXPAYERS DOLLARS?? I SINCECELY HOPE ~~THEY~~ NOT.

THANK YOU FOR GIVING ME THIS OPPORTUNITY TO EXPRESS MYSELF.

2-384

Deputy Commander
 U.S. Army Strategic Defense Command
 Attn: CSSD-EN-V (D.R. Gallien)
 P.O. Box 1500
 Huntsville, Alabama 35807-3801

P.O.B. 189
 Anahola, Kaua'i
 25 March, 1992

I attended the first round of hearings on the Army EIS last night not intending to speak, but after I went home last night I thought about what people on both "sides" (if you want to divide our community in that fashion; I do not) had to say. As someone who has had both friends and family in the service, and who probably would have enlisted had there been better jobs offered to women when I was of an age to sign up, I have always admired the military ideals of selfless dedication, courage and integrity. As a ten-year resident of Kaua'i, I also appreciate the contributions and concerns of my fellow-citizens who work at Pacific Missile Range Facility. I know that they are honest, intelligent people and good neighbors. I probably would support the STARS program if I felt that its elimination would imperil either our local economy or our national defense.

What I have learned from my study of the question, however, is that not even those who have the most to gain from implementation of this program completely agree as to its worth. I have heard disagreements between members of the armed services about a) the technology itself b) the consequences to PMRF and c) the long-term and wide-range effects of STARS on our national defense. Is it wise for ordinary citizens like myself uncritically to support a program that even the experts argue about?

This concern alone would be enough to convince me that you should not press forward at this time. Other matters, unaddressed by the present EIS, also prompt my disquietude.

I know enough about world history and current events to know the necessity of a strong defense and the precariousness of the present world situation. I also know, however, that no national defense can long shore up a society that is not in full possession of its moral faculties.

It has often been said that one measure of a nation's or of a culture's strength is its treatment of its weakest members. Pacific Basin cultures have a long and not very illustrious

history of ill-treatment of their weakest: ethnic minorities and untouchables in Japanese society, *kaua* in ancient Hawai'i, to name only two. Now we can add Pacific islanders, Micronesians and Hawaiians, to this sad company.

Does this have to be? Cannot we learn enough of the lessons of history to stop this? How can we defend our nation by trampling on the lives of its people? How can we secure the homes and families of Kaua'i's citizens by destroying those of Kwajelein's?

What I propose is that you postpone the STARS program until the grievances of this country's powerless ones have been healed. I also propose that the money, technology, and expertise presently allocated to STARS be redirected to help the people of Kwajelein regain their homes, and to help native Hawaiians on Kaua'i re-establish theirs. I have heard testimony from employees of PMRF who are experts in environmental science, engineering, and construction. Why not offer them jobs rebuilding Kwajelein, constructing homes for Hawaiians on crown lands presently used by PMRF, or restoring the Nohili marshlands to something like their prehistoric condition? Isn't any of these projects as great a moral, technical or intellectual challenge as STARS? Don't our people, our workers, deserve jobs worthy of their talents and skills, and don't our citizens, ALL our citizens, deserve the blessings of home and family? I ask that you re-consider allocation of our precious national resources to a program of questionable value to our national defense, and instead assign them to works that will unquestionably benefit those who most deserve their fellow-citizens' compassion and help.

Heu'ionālani M. Wyeth



WR509

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I have recently moved to Kauai where I will give birth to my first child this spring. I came to Hawaii because of its untainted beauty and healthy, unspoiled environment. I am appalled to find out that this is now in jeopardy as well as the safety of my life and that of my unborn child.

The Star Wars Program is ludicrous. It is impertive that we abort this insidious and heinous SDI Project now! How dare the US Govt. try to pass off SDI as innocuous to the environment and its inhabitants?

The iniquity and anguish the previous testing of nuclear missiles has caused the indigenous people of the Marshall Islands is inhumane.

Name Melissa Morrow

Address General Delivery, KILAUEA, KAUAI, HI 96754

Street Address

City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

1

WR509 (cont.)

They must be compensated for the unconscionable crimes already committed against them. No further testing can be tolerated.

How can these "war toys" destroyed enough lives, damaged enough of our ecosystems and rendered enough land uninhabitable? Please keep these "death machines" off Kauai. The Polaris Missiles have been proven to be ineffective and should be obsolete! We cannot afford even one catastrophe on such a small and delicate island.

Please act in accordance to your higher conscience and be tenacious on this issue, as it will inevitably have global consequences.

I beseech you to stop the SDI program planned for PMRF and protect the future of Kauai and the Pacific Islands.

Thank you,
Melissa Morrow

2-386

JOHN WAIHEE
GOVERNOR OF HAWAII



JOHN C. LEWIN, M.D.
DIRECTOR OF HEALTH

STATE OF HAWAII
DEPARTMENT OF HEALTH
P. O. BOX 3378
HONOLULU, HAWAII 96801

In reply, please refer to:

April 21, 1992

92-122/epo

Deputy Commander
U. S. Army Strategic Defense Command
CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, AL 35807-3801

Dear Sir:

Subject: Draft Environmental Impact Statement (DEIS)
for the Strategic Target System

Thank you for allowing us to review and comment on the subject document. We have the following comments to offer:

On September 26, 1990, in a letter addressed to Mr. Randy Gallien, we commented on the Revised Preliminary Final Environmental Assessment for the Strategic Target Systems in Kauai. These comments are still applicable, and a copy of that letter is enclosed. The only additional comments that we would make at this time are the following:

1. A serious concern exists as to the devastating impact an early termination of the booster, either on the launch pad or just above the launch pad, would have on the surrounding environment and human health. When the booster is terminated, both burning and unburned booster propellant, along with the hydrazine and nitrogen tetroxide liquid propellant in the rocket, will be dispersed over a wide area.

The draft EIS does not address the effects these dispersed chemicals would have on the environment and the risks posed to human health. It also does not fully cover what actions will be taken to clean-up the chemical contamination and to handle the disposal of the contaminated hazardous waste. The final EIS should address these issues and include a contingency plan which would be used in a response to an accident of this type.

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Deputy Commander
April 21, 1992
Page 2

92-122

2. The EIS should disclose the extent of heavy metal and corrosive releases expected from normal atmospheric flight operations.

3

If you should have any questions, please contact Mr. Michael Miyasaka at 586-4226.

Very truly yours,

JOHN C. LEWIN, M.D.
Director of Health

Enc.

c: Solid and Hazardous Waste Branch

2-387

JOHN WAIHEE
GOVERNOR OF HAWAII



STATE OF HAWAII
DEPARTMENT OF HEALTH
P. O. BOX 2378
HONOLULU, HAWAII 96801

JOHN C. LEWIS, M.D.
DIRECTOR OF HEALTH

September 26, 1990

In reply, please refer to:
EPHSD

2-170

Mr. Randy Gallien, USASDC CSSD-EN
106 Wynn Drive
P.O. Box 1500
Huntsville, Alabama 35807-3801

Dear Mr. Gallien:

Subject: Comments on the Revised Preliminary Final Environmental Assessment for the Strategic Target Systems (STARS)

Thank you for allowing us to review and comment on the subject document. We provide the following comments:

Air Pollution

The Environmental Assessment should provide as an appendix a detailed discussion on the air quality impact analysis. As a minimum, the following areas should be addressed:

1. The air pollution dispersion models and the meteorological conditions used in determining the air quality impacts should be clearly described along with any deviations or assumptions.
2. Since each launching is a limited-term event, the impacts should be determined for a shorter averaging period. A 1-hour average concentration is preferable to the 8-hour average concentration as reported.
3. The impact is calculated for a distance of 3,000 meters from the launch pad. The impact should be calculated for maximum concentration at or beyond the property line and also at the nearest residence.
4. The assessment of the emissions and the air quality impacts resulting from a liquid fuel spill, a launch pad explosion, and an early launch termination should be conducted.
5. It is not clear whether only solid propellant boosters will be used or whether liquid propellant may be used as an alternative. The air quality assessment should consider the impacts resulting from all the various types of boosters that might be employed.

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RANDY GALLIEN

-2-

September 26, 1990

6. Health risks associated with air quality impacts should be discussed. At a minimum, the impact results with threshold limit values adjusted with an appropriate safety factor should be compared. It would also be important to discuss long-term effects associated with repeated exposures to potential air pollutants including carcinogenic effects. Worst case and most likely case scenarios should be considered.

Solid and Hazardous Waste

The report does address our concerns related to the generation and proper management of hazardous waste.

Hazard Evaluation and Emergency Response

1. The transportation safety plan for Hydrazine and Nitrogen tetroxide shipments should include the notification of both the State Civil Defense Agency and the Kauai County Civil Defense Agency.
2. For spills occurring during fueling/defueling of Hydrazine and Nitrogen tetroxide, "washing down to dilute concentrations" is not the best method for clean-up of these chemicals. Using sand or other absorbent material is the method of choice. Water spray should be used to control vapors (DOT 1990 Emergency Response Guidebook).

Otherwise, this report has adequately addressed the toxicological and health related aspects of the chemicals involved.

Noise

The Environmental Assessment contains no information on projected noise levels from STARS vehicles, therefore, the potential noise impacts on residential communities cannot be assessed.

The report indicates that noise impacts would not be significant since the noise is a one-time event, launches will not be simultaneous and the nearest noise sensitive area (residential), off base, is eight miles from the launch site. However, single events with noise levels significantly above the ambient levels will result in disturbances in terms of annoyances. This environmental assessment must include an analysis on the potential noise levels at the various communities that may be affected.

Sincerely,

BRUCE S. ANDERSON, Ph.D.
Deputy Director for
Environmental Health

cc: Office of State Planning, Attention: John Nakagawa

9

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2-388

JOHN WAILEE
GOVERNOR OF HAWAII



STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
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33 SOUTH KING STREET, 5TH FLOOR
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WILLIAM W. PATY, CHAIRPERSON
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DIVISION
LAND MANAGEMENT
STATE PARKS
WATER AND LAND DEVELOPMENT

REF-NP:STY

Robert F. Shearer
Chief, Environmental and Engineering Office
Department of the Army
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P.O. Box 1500
Huntsville, Alabama 35807-3801

DOC NO: 4712
LOG NO: 1809W

Dear Mr. Shearer:

SUBJECT: Draft- E.I.S. for the Strategic Target System
(February 1992) U.S. Army SDC
KTF-PMRF
Mana, Waimea, Kauai

Thank you for submitting the DEIS on your Strategic Target System project on February 21, 1992. The pad is already in place, and the additional infrastructure which will be built will include a possible subsurface fiber optic line and a few buildings. The area has already had its land surface extensively disturbed, and archaeological work to date indicates no significant historic sites are present.

Thus, as the federal agency responsible for this project your DEIS should make a effect determination on significant historic sites. As we did in your EA, we would agree with your "no adverse effect" determination on significant historic sites if all project elements that will disturb relatively unaltered land surfaces will undergo subsurface testing prior to construction to cover the possibility of sites being present and if significant historic sites are found, then appropriate mitigation will occur in accordance with your contingency plan.

We do have some comments and corrections in reviewing this DEIS:

1. Under Section 3.5 Cultural Resources, page 3-27, the Nohili Dune which is a traditional historic place, is eligible for inclusion in the National Register of Historic Places. Your wording should reflect the dunes as traditional cultural property. The Nohili Dune is located just behind the launch pads at KTF.

1

Robert F. Shearer
Page 2

This has been discussed in the EA for STARS and EDX (USASDC) and should be stated in this section. We are reviewing the draft document on this traditional cultural property now.

2. On page 3-28, archaeological testing has occurred in various areas within KTF, and some deposits were found near bore holes #3 and #4. We do not use the wording "negligible subsurface findings". Should this project have impact in this area, additional archaeological subsurface testing would be done to determine the extent of the deposits.
3. Under this section, additional archaeological reports have been done which should be synthesized and included in the FEIS. The reports are: Drolliet (1991?), Yent (1991), Shun (n.d.), Walker and Rosendahl (1990), Jones (1992), Leidemann and Kirhinsmi (1990), Smith (1990), Douglas (1990), and Schiltz (n.d.).
4. Under Section 4.5 Cultural Resources, page 4-30, your DEIS mentions Fire (4.5.1.2), but nothing is mentioned about what will be done if a fire does occur in the dune area. Previous fires at KTF were extinguished by dousing the sand on top of the fire, this practice should be avoided. The best mitigation for historic site protection may well be to let the fire burn itself out. The FEIS should describe mitigative fire control measures during a fire. We agree with the postburn archaeological survey.

All discoveries should be treated under NAGPRA, unless an MOA (the PMRF's draft Burial Treatment Plan) is signed. You should be aware under NAGPRA, all work in the area must cease for 30 days, and a letter written immediately from the Base Commander to the OHA and Hui Malama I Na Kapuna O Hawaii Nei.

You have set-up a contingency plan for mitigation should significant historic sites or burials be discovered. This is not in accordance with NAGPRA. We believe the following steps should be included in the plan:

1. All work in the area would be stopped, no further disturbance should take place until the situation is assessed. Human remains should be covered and the site area stabilized.
2. Consultation with all pertinent parties (KTF, DOE, U.S. Navy Archaeologists, SRPO, and appropriate Hawaiian groups) shall occur to determine the appropriate form of mitigation (data recovery/preservation).

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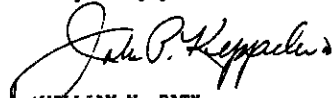
5

2-389

Robert F. Shearer
Page 3

If you have any questions regarding this matter, please contact
Ms. Nancy McMahon our staff archaeologist for the County of Kauai
at 587-0006.

Very truly yours,



WILLIAM W. PATY
Chairperson and State
Historic Preservation Officer

cc: Rob Hommon, US Navy Archaeologist
OHA (fax)
Kauai Island Burial Council
Tirzo Gonzalez, Advance Science, Inc.
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NM:sty

2-390

CHAPTER 3
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CHAPTER 3

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CHAPTER 4
REFERENCES

CHAPTER 4

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CHAPTER 5
INDEX

CHAPTER 5**INDEX**

Name (Last, First)		Comment Code	Document Location*	Response Location (Vol. I Page #)
Addison	Della	WR140-1	2-129	3-69
Addison	Josh	WR75-1	2-87	3-64
		WR159-1	2-142	3-71
		WR159-2	2-143	3-71
		WR160-1	2-143	3-71
		WR160-2	2-143	3-71
Aguilar	Leonard	WR148-1	2-134	3-69
Agustin	Candace	EX74-1	1-79	3-50
		WR13-1	2-12	3-56
Aiwohi	Larry	OR124-1	2T2-99	3-38
		EX55-1	1-58	3-48
		WR38-1	2-29	3-60
Aki	Kaanohio Kalani	WR146-1	2-133	3-69
Aloo	Peter	OR109-1	2T2-81	3-37
		OR109-2	2T2-82	3-37
		EX59-1	1-63	3-49
		EX59-2	1-63	3-49
		EX59-3	1-63	3-49
Alvarez	Patrick	WR497-1	2-374	3-104
Anderson	Mark	OR61-1	2T1-102	3-30
Anderson	Niklas	WR405-1	2-340	3-98
		WR469-1	2-363	3-100

* OR comments located in Volume II
EX/WR comments located in Volume III

Name (Last, First)		Comment Code	Document Location*	Response Location (Vol. I page #)
Andres	Laurez	WR305-1	2-239	3-82
Andres	Tim	OR31-1	2T1-68	3-26
		OR31-2	2T1-68	3-27
		OR31-3	2T1-69	3-27
		WR106-1	2-109	3-66
		WR275-1	2-222	3-80
Aoki	Candace Jo	WR99-1	2-105	3-66
Arata	Deborah	WR46-1	2-37	3-61
Archambault	L.J.	WR379-1	2-325	3-97
Arinaga	Clifford	OR108-1	2T2-80	3-37
		OR108-2	2T2-80	3-37
		OR108-3	2T2-81	3-37
		WR327-1	2-276	3-90
		WR327-2	2-277	3-90
		WR327-3	2-277	3-90
		WR327-4	2-278	3-90
		WR327-5	2-278	3-90
		WR327-6	2-278	3-90
		WR327-7	2-278	3-90
		WR327-8	2-279	3-91
		WR327-9	2-279	3-91
		WR327-10	2-279	3-91
		WR327-11	2-279	3-91
		WR327-12	2-279	3-91
		WR327-13	2-280	3-91
		WR327-14	2-280	3-91
		WR327-15	2-280	3-91
		WR327-16	2-281	3-91
		WR327-17	2-281	3-91
		WR327-18	2-281	3-91
		WR327-19	2-281	3-91
		WR327-20	2-282	3-91
		WR327-21	2-283	3-91
		WR327-22	2-283	3-91
		WR327-23	2-283	3-91
WR327-24	2-284	3-91		
WR327-25	2-284	3-91		
WR327-26	2-284	3-91		

* OR comments located in Volume II
EX/WR comments located in Volume III

Name (Last, First)		Comment Code	Document Location*	Response Location (Vol. I page #)
		WR327-27	2-284	3-91
		WR327-28	2-284	3-92
		WR327-29	2-285	3-92
		WR327-30	2-285	3-92
		WR327-31	2-285	3-92
		WR327-32	2-285	3-92
		WR327-33	2-285	3-92
		WR327-34	2-286	3-92
		WR327-35	2-286	3-92
Arinaga	Ester	OR107-1	2T2-79	3-37
Arreola	Carol	WR443-1	2-357	3-99
Arruda	Earl	OR83-1	2T2-45	3-33
		OR83-2	2T2-46	3-33
		OR83-3	2T2-46	3-33
		OR83-4	2T2-47	3-33
		OR83-5	2T2-47	3-33
		OR83-6	2T2-47	3-33
		OR83-7	2T2-48	3-33
		OR83-8	2T2-48	3-33
		EX66-1	1-72	3-49
		EX66-2	1-72	3-49
		EX66-3	1-72	3-49
		EX66-4	1-72	3-49
		EX66-5	1-73	3-49
		EX66-6	1-73	3-49
		EX66-7	1-73	3-50
		EX66-8	1-73	3-50
Ashburn	Kim	WR494-1	2-370	3-101
Axtell	Marilyn	WR301-1	2-236	3-82
		WR301-2	2-236	3-82
Bailey	James R.	WR246-1	2-207	3-79
Bailey	John S.	WR219-1	2-180	3-76
Bailey	Karla	WR217-1	2-179	3-76
Bailey	Nicole A.	WR298-1	2-235	3-82

* OR comments located in Volume II
EX/WR comments located in Volume III

Name (Last, First)		Comment Code	Document Location*	Response Location (Vol. I page #)
Bailey	Victor	OR115-1	2T2-89	3-38
		OR115-2	2T2-89	3-38
Bain	Carol	OR64-1	2T2-22	3-30
		WR143-1	2-131	3-69
		WR143-2	2-131	3-69
		WR493-1	2-370	3-101
Bajit	Leonides O.	WR206-1	2-171	3-75
Ball	Mathew M.	WR8-1	2-7	3-54
		WR8-2	2-7	3-54
		WR8-3	2-7	3-54
		WR8-4	2-7	3-54
		WR8-5	2-7	3-54
		WR8-6	2-7	3-55
		WR8-7	2-7	3-55
		WR8-8	2-7	3-55
		WR8-9	2-7	3-55
Bambas	Yvette	WR97-1	2-104	3-66
		WR97-2	2-104	3-66
		WR161-1	2-143	3-71
		WR161-2	2-143	3-71
Banquel	Robert	EX95-1	1-99	3-51
Barnes	Charmaine F.	WR481-1	2-367	3-101
Barringer	Winona	WR84-1	2-92	3-64
Batista	Bethann Pualani Chandler	OR104-1	2T2-72	3-36
		OR104-2	2T2-72	3-36
		OR104-3	2T2-72	3-36
		OR104-4	2T2-73	3-36
Batterman	Scott	OR90-1	2T2-56	3-34
		OR90-2	2T2-57	3-34
		OR90-3	2T2-57	3-34
		WR336-1	2-299	3-94
		WR336-2	2-299	3-94
		WR336-3	2-299	3-94

* OR comments located in Volume II
EX/WR comments located in Volume III

Name (Last, First)		Comment Code	Document Location*	Response Location (Vol. I page #)
		WR336-4	2-299	3-94
		WR336-5	2-299	3-94
		WR336-6	2-299	3-94
Bayudan	Emilio	WR181-1	2-153	3-72
Beckner	Derek	WR472-1	2-364	3-101
Bekeart	Dana	WR126-1	2-119	3-68
Benoit	Gary	OR34-1	2T1-71	3-27
		OR34-2	2T1-72	3-27
		WR401-1	2-338	3-98
Benta	Margaret	WR394-1	2-335	3-97
Bentley	Charlene	WR18-1	2-14	3-56
Blaich	Beryl	WR241-1	2-203	3-79
Blaich	Gary L.	WR306-1	2-239	3-82
		WR307-1	2-240	3-82
Blaich	Mehana	WR322-1	2-269	3-85
Blaich	Meleana	WR324-1	2-271	3-85
Blake	Hartwell H.K.	WR32-1	2-23	3-58
Bockwinkel	Nikki	WR377-1	2-324	3-96
Bockwinkel	Susan T.	WR239-1	2-202	3-78
		WR385-1	2-329	3-97
Booth	Sharon	WR21-1	2-16	3-56
Borofsky	Ameria	WR435-1	2-355	3-99
Bouret	Mimsey	OR28-1	2T1-64	3-26
Boury	Marilyn	WR94-1	2-102	3-66
Bowman	Robert	OR133-1	2T2-111	3-40

* OR comments located in Volume II
EX/WR comments located in Volume III

Name (Last, First)	Comment Code	Document Location*	Response Location (Vol. I page #)	
	OR133-2	2T2-112	3-40	
	OR133-3	2T2-112	3-40	
	OR133-4	2T2-112	3-40	
	EX52-1	1-54	3-48	
	EX52-2	1-54	3-48	
Bowman, Lt. Col., Robert M. Ph.D.	WR191-1	2-159	3-73	
	WR191-2	2-160	3-73	
	WR191-3	2-160	3-73	
	WR362-1	2-316	3-96	
	WR372-1	2-321	3-96	
	WR372-2	2-322	3-96	
	WR372-3	2-322	3-96	
	WR372-4	2-322	3-96	
Boyce	Julia	WR256-1	2-212	3-79
Brenson	Eric	WR188-1	2-157	3-73
Brier	Laurel	WR221-1	2-181	3-76
Britton	Joan M.	WR325-1	2-271	3-85
Broussard	Chris	WR462-1	2-362	3-100
Brow	Ben	WR121-1	2-116	3-68
Brower	Andrea	WR220-1	2-181	3-76
Brower	Robert	WR224-1	2-183	3-76
Browssard	Olivia	WR428-1	2-352	3-99
Bruce	Eve	WR201-1	2-168	3-74
Burris	Samuel J.	WR10-1	2-10	3-56
Butler	Stan	OR111-1	2T2-84	3-37
		OR111-2	2T2-84	3-37
Butler	Stanley	WR139-1	2-128	3-69

* OR comments located in Volume II
EX/WR comments located in Volume III

Name (Last, First)		Comment Code	Document Location*	Response Location (Vol. I page #)
Byrd	Jaime	WR116-1	2-114	3-67
Carbonel	Jess	WR259-1	2-213	3-80
Carlson	Ken	OR21-1	2T1-54	3-25
		OR21-2	2T1-54	3-25
		OR21-3	2T1-54	3-25
		OR21-4	2T1-54	3-25
		OR21-5	2T1-55	3-25
		OR21-6	2T1-55	3-25
		OR21-7	2T1-55	3-25
		OR21-8	2T1-55	3-25
		OR21-9	2T1-56	3-25
Carpenter	Linda	WR81-1	2-90	3-64
		WR333-1	2-297	3-93
Cerchio	Salvatore	WR237-1	2-200	3-78
		WR237-2	2-200	3-78
		WR237-3	2-200	3-78
Cervantes	Jesse	WR320-1	2-268	3-85
Cervantes	Lisa	WR319-1	2-267	3-85
Champller	Silas	OR102-1	2T2-70	3-36
Chandler	Jeff	OR131-1	2T2-109	3-40
		OR131-2	2T2-109	3-40
		OR131-3	2T2-109	3-40
		WR207-1	2-171	3-75
Chandler	Lei	WR171-1	2-148	3-72
Chandler	Linda	OR130-1	2T2-108	3-40
		OR130-2	2T2-108	3-40
		OR130-3	2T2-108	3-40
		OR130-4	2T2-108	3-40
		OR130-5	2T2-108	3-40
		EX53-1	1-55	3-48
		EX53-2	1-55	3-48
		EX53-3	1-55	3-48
EX53-4	1-55	3-48		

* OR comments located in Volume II
EX/WR comments located in Volume III

Name (Last, First)		Comment Code	Document Location*	Response Location (Vol. I page #)
		EX53-5	1-55	3-48
		EX53-6	1-55	3-48
		WR222-1	2-182	3-76
Chiba	Nelson	EX97-1	1-101	3-51
Chinen	Randy R.	EX102-1	1-106	3-51
		WR36-1	2-27	3-60
Christensen	Carl C.	WR226-1	2-185	3-77
Chuan	Raymond L.	WR30-1	2-22	3-58
		WR30-2	2-22	3-58
		WR30-3	2-22	3-58
Chun	Dennis	WR250-1	2-209	3-79
Churchill	John	WR49-1	2-38	3-61
		WR391-1	2-333	3-97
		WR431-1	2-353	3-99
Churchill	Luella	OR154-1	2T2-135	3-42
		WR396-1	2-336	3-97
Clair		WR404-1	2-340	3-98
Clause	Connie	WR63-1	2-48	3-62
Cochran	Randolph	OR15-1	2T1-47	3-24
Coll	Ed	OR142-1	2T2-122	3-41
		EX48-1	1-51	3-47
Comini	Michael A.	WR409-1	2-342	3-98
Cone	Debra Joyce	WR223-1	2-182	3-76
		WR378-1	2-325	3-96
Connella	Marlene	WR203-1	2-169	3-75
		WR203-2	2-169	3-75
		WR203-3	2-169	3-75
Conway	Ralph Edward	WR25-1	2-18	3-56

* OR comments located in Volume II
EX/WR comments located in Volume III

Name (Last, First)		Comment Code	Document Location*	Response Location (Vol. I page #)
Cook	Edd	WR108-1	2-110	3-67
Coots	Michael	WR216-1	2-179	3-76
Correa	Maxine	EX78-1	1-82	3-50
Cortisa	Rod	OR155-1	2T2-136	3-42
Cosbey	Bruce	WR153-1	2-139	3-70
Cosbey	Lin	WR35-1	2-27	3-60
Coursey	Kyle	EX18-1	1-31	3-46
Cowden	Charles Lee	WR422-1	2-349	3-98
Cowden	Felicia	OR79-1	2T2-39	3-32
		WR290-1	2-230	3-81
		WR290-2	2-230	3-81
		WR290-3	2-230	3-81
		WR290-4	2-230	3-81
		WR427-1	2-351	3-99
Crawford	P.	EX35-1	1-41	3-47
Cutcher	Kawika	OR76-1	2T2-35	3-32
		EX81-1	1-85	3-50
Dabancourt	Leonie	WR279-1	2-224	3-80
Dakin	Cheryl	WR170-1	2-148	3-72
Daly	Michael	OR132-1	2T2-110	3-40
Damron	Mark H.	WR502-1	2-381	3-104
Darnell	Eleanor	WR276-1	2-223	3-80
Davis	Rhodes	WR449-1	2-358	3-100
Dawson	Jim	OR78-1	2T2-39	3-32
		WR24-1	2-18	3-56

* OR comments located in Volume II
EX/WR comments located in Volume III

Name (Last, First)		Comment Code	Document Location*	Response Location (Vol. I page #)
Dawson	Tai	OR60-1	2T1-101	3-30
		OR60-2	2T1-101	3-30
Dawz	Michele Nalani	WR270-1	2-219	3-80
		WR270-2	2-219	3-80
de Deo, M.D.	Edward	WR53-1	2-42	3-62
		WR53-2	2-42	3-62
		WR348-1	2-305	3-94
de Buhr	Evelyn	WR254-1	2-211	3-79
de Mello	Lilian	WR285-1	2-228	3-81
Deal	Chad	OR116-1	2T2-90	3-38
		WR263-1	2-215	3-80
Dean	Amanda	EX23-1	1-34	3-46
Dean	Sunshine	EX21-1	1-33	3-46
DeChidif	Victor R.	WR195-1	2-164	3-74
Dennie	Jane	WR167-1	2-146	3-72
Dent	Orville	WR212-1	2-176	3-75
		WR212-2	2-176	3-75
		WR212-3	2-176	3-76
		WR212-4	2-176	3-76
		WR212-5	2-176	3-76
		WR212-6	2-176	3-76
		WR212-7	2-176	3-76
Dente	Fred	WR7-1	2-6	3-54
Deranken	Marchelle	WR110-1	2-111	3-67
Deville	Emmet	OR105-1	2T2-73	3-36
		OR105-2	2T2-74	3-36
		OR105-3	2T2-74	3-36
		OR105-4	2T2-74	3-37
		OR105-5	2T2-74	3-37
		WR2-1	2-3	3-52

* OR comments located in Volume II
EX/WR comments located in Volume III

Name (Last, First)	Comment Code	Document Location*	Response Location (Vol. I page #)
	WR2-2	2-3	3-52
	WR2-3	2-3	3-52
	WR2-4	2-4	3-53
	WR2-5	2-4	3-53
	WR2-6	2-4	3-53
	WR2-7	2-4	3-53
	WR2-8	2-4	3-53
	WR2-9	2-4	3-54
DeVille	Alia	WR430-1	2-353 3-99
Diamond	Caren F.	WR29-1	2-21 3-57
		WR29-2	2-22 3-57
		WR29-3	2-22 3-57
		WR29-4	2-22 3-57
		WR402-1	2-339 3-98
		WR474-1	2-365 3-101
Diaz	Sofia	WR127-1	2-121 3-68
Dobashi	Myron	OR139-1	2T2-120 3-41
		EX47-1	1-51 3-47
Domingo	Raymond	EX79-1	1-83 3-50
Donnell	Daniel	OR143-1	2T2-125 3-41
		EX67-1	1-75 3-50
Doty	Kay	WR59-1	2-45 3-62
		WR332-1	2-297 3-93
Doutt	Martha L.	WR302-1	2-237 3-82
Downey	Catherine	WR199-1	2-167 3-74
Ducker	Foster	OR138-1	2T2-118 3-41
		OR138-2	2T2-119 3-41
		OR138-3	2T2-119 3-41
		OR138-4	2T2-119 3-41
		OR138-5	2T2-119 3-41
		OR138-6	2T2-119 3-41
Dunn	Alison L.	WR27-1	2-20 3-57

* OR comments located in Volume II
EX/WR comments located in Volume III

Name (Last, First)		Comment Code	Document Location*	Response Location (Vol. I page #)
		WR118-1	2-115	3-68
		WR118-2	2-115	3-68
		WR129-1	2-122	3-68
		WR129-2	2-122	3-68
Durkin	Patrick L.	WR304-1	2-238	3-82
Dybbro	Dale M.	WR413-1	2-344	3-98
Dybbro	M.E.	WR419-1	2-347	3-98
		WR467-1	2-363	3-100
Eiser	Mary	OR13-1	2T1-46	3-24
		EX68-1	1-75	3-50
		WR114-1	2-113	3-67
		WR114-2	2-113	3-67
		WR114-3	2-113	3-67
		WR114-4	2-113	3-67
		WR114-5	2-113	3-67
Ellenburg	Chloe	WR68-1	2-80	3-63
Emrich	Svenja	WR503-1	2-382	3-104
English	Anne	WR51-1	2-41	3-61
		WR353-1	2-309	3-95
Ermrich	Svenja	WR268-1	2-218	3-80
Farhot	Karime M.	WR98-1	2-105	3-66
Farwell	Heidi	WR370-1	2-320	3-96
		WR485-1	2-368	3-101
Faye, Jr.	Alan E.	WR70-1	2-81	3-63
Faye, Jr.	L.A.	WR209-1	2-172	3-75
Fehring	Bruce and Cyndee	WR124-1	2-118	3-68
Fernandes	Billy	OR62-1	2T2-19	3-30
Fernandes	Lehua	OR62-1	2T2-19	3-30

* OR comments located in Volume II
EX/WR comments located in Volume III

Name (Last, First)		Comment Code	Document Location*	Response Location (Vol. I page #)
Fernandes	Russell	OR44-1	2T1-83	3-28
Fernandes	William	OR43-1	2T1-82	3-28
Fernandez	Meridith Petro	WR446-1	2-358	3-100
Fernandez	Trista	WR337-1	2-300	3-94
Field	S.J.	WR410-1	2-343	3-98
Field-Grace	Sondra	OR7-1	2T1-36	3-21
		OR7-2	2T1-36	3-21
		WR456-1	2-360	3-100
Fitzgerald	Frances	WR309-1	2-241	3-82
Fleming	Charlene	WR40-1	2-32	3-61
		WR40-2	2-32	3-61
Flessa	Paul	WR100-1	2-106	3-66
		WR486-1	2-368	3-101
Forester	Deborah	OR149-1	2T2-131	3-42
		OR149-2	2T2-131	3-42
		OR149-3	2T2-131	3-42
		WR64-1	2-49	3-62
		WR399-1	2-337	3-98
		WR433-1	2-354	3-99
Form letter 1		EX107-1	1-110	3-51
Form letter 2		EX108-1	1-110	3-51
Form letter 3		EX109-1	1-111	3-51
Foster	Jim	WR242-1	2-204	3-79
Frailey	Richele	WR243-1	2-205	3-79
Francisca	Beth	WR17-1	2-14	3-56
		WR341-1	2-302	3-94
Francisco	Beth	WR271-1	2-220	3-80

* OR comments located in Volume II
EX/WR comments located in Volume III

Name (Last, First)		Comment Code	Document Location*	Response Location (Vol. I page #)
		WR271-2	2-220	3-80
		WR335-1	2-298	3-93
		WR335-2	2-298	3-94
Frank	Deborah L.	WR274-1	2-221	3-80
Frazier	Frances Halia	OR128-1	2T2-105	3-39
		OR128-2	2T2-105	3-39
		OR128-3	2T2-106	3-39
		OR128-4	2T2-106	3-39
		EX27-1	1-36	3-46
		EX27-2	1-36	3-46
		EX27-3	1-36	3-46
		EX27-4	1-36	3-46
Freeman	Elizabeth	OR12-1	2T1-43	3-24
		OR12-2	2T1-43	3-24
		OR12-3	2T1-43	3-24
		WR229-1	2-187	3-77
		WR229-2	2-187	3-77
		WR229-3	2-187	3-77
Freeman	Philip	WR19-1	2-15	3-56
		WR479-1	2-366	3-101
French	Sally	WR96-1	2-103	3-66
Friedman	D.	WR439-1	2-356	3-99
Friend	James	WR273-1	2-221	3-80
Fujita	Guy	EX103-1	1-107	3-51
Fujiwara	Harvard A.	EX90-1	1-94	3-51
Fujiyoshi	Ronald S.	WR245-1	2-206	3-79
Furgeson	Suzanne Marie	WR505-1	2-383	3-104
Gailey	Susan	WR105-1	2-108	3-66
		WR363-1	2-317	3-96
Garma	Marciana	WR253-1	2-210	3-79

* OR comments located in Volume II
EX/WR comments located in Volume III

Name (Last, First)		Comment Code	Document Location*	Response Location (Vol. I page #)
Gasaway	Asa	WR193-1	2-161	3-74
Gerardo	Sonny Cayetano	OR47-1 EX11-1	2T1-86 1-26	3-28 3-45
Gere	Ken	EX25-1	1-35	3-46
Gere	Una	EX24-1	1-34	3-46
Gettier	Nannette	WR189-1 WR189-2 WR189-3 WR189-4	2-158 2-158 2-158 2-158	3-73 3-73 3-73 3-73
Godinez	Micco	OR69-1	2T2-29	3-31
Gomez	Frank	EX69-1 WR384-1	1-76 2-329	3-50 3-97
Goodwin	Gregory Imes	OR106-1	2T2-75	3-37
Gotje	Martin	WR88-1 WR88-2 WR88-3 WR88-4 WR88-5 WR88-6 WR88-7 WR88-8	2-96 2-96 2-96 2-96 2-97 2-97 2-97 2-97	3-65 3-65 3-65 3-65 3-65 3-65 3-65 3-65
Graff	Phyllis D.	WR130-1	2-122	3-68
Graham	Mary Frances	WR455-1	2-360	3-100
Granda	Cassidy	WR210-1	2-173	3-75
Granda	Che	WR240-1	2-203	3-79
Granda	Chia	WR499-1	2-380	3-104
Granda	David	WR205-1 WR213-1	2-170 2-177	3-75 3-76

* OR comments located in Volume II
EX/WR comments located in Volume III

Name (Last, First)		Comment Code	Document Location*	Response Location (Vol. I page #)
Granda	Marquita	WR208-1	2-172	3-75
		WR214-1	2-178	3-76
Granda	Melosa	OR54-1	2T1-94	3-29
		WR132-1	2-123	3-68
		WR311-1	2-242	3-82
Granda	Sierra	WR204-1	2-170	3-75
Greenberg	Jan	WR447-1	2-358	3-100
Grier	William R.	WR340-1	2-301	3-94
Guara	Mary	WR444-1	2-357	3-99
Guerra	Raquel	WR111-1	2-111	3-67
Guinivan	Thomas	WR151-1	2-136	3-69
		WR151-2	2-136	3-69
		WR151-3	2-136	3-69
		WR151-4	2-137	3-70
		WR151-5	2-137	3-70
		WR151-6	2-137	3-70
		WR151-7	2-137	3-70
		WR151-8	2-137	3-70
		WR151-9	2-138	3-70
		WR151-10	2-138	3-70
Gulliksen	Gary	WR115-1	2-113	3-67
Hager	Jim	OR93-1	2T2-59	3-34
		EX62-1	1-66	3-49
Hansen	Steve	EX44-1	1-49	3-47
Hanson	Jay	OR11-1	2T1-41	3-22
		OR11-2	2T1-41	3-22
		OR11-3	2T1-41	3-23
		OR11-4	2T1-41	3-23
		EX4-1	1-7	3-43
		EX4-2	1-7	3-43
		EX4-3	1-7	3-43
		EX4-4	1-7	3-43

* OR comments located in Volume II
EX/WR comments located in Volume III

Name (Last, First)		Comment Code	Document Location*	Response Location (Vol. I page #)
Harmony	Zacheriah Branch	OR17-1	2T1-50	3-24
		OR17-2	2T1-51	3-24
		WR74-1	2-85	3-64
Harrison, Ph.D.	John T.	WR496-1	2-371	3-102
		WR496-2	2-371	3-102
		WR496-3	2-371	3-102
		WR496-4	2-371	3-102
		WR496-5	2-371	3-102
		WR496-6	2-372	3-102
		WR496-7	2-372	3-102
		WR496-8	2-372	3-103
		WR496-9	2-372	3-103
		WR496-10	2-372	3-103
		WR496-11	2-372	3-103
		WR496-12	2-372	3-103
		WR496-13	2-372	3-103
		WR496-14	2-372	3-103
		WR496-15	2-372	3-103
		WR496-16	2-372	3-103
		WR496-17	2-372	3-103
		WR496-18	2-373	3-103
		WR496-19	2-373	3-103
		WR496-20	2-373	3-103
		WR496-21	2-373	3-103
		WR496-22	2-373	3-104
Harty	Janeen	WR470-1	2-364	3-101
Hashimoto	Jackie	OR151-1	2T2-134	3-42
Hau	William	OR59-1	2T1-101	3-30
Hazlett	Anelle	OR4-1	2T1-31	3-20
		EX2-1	1-6	3-43
		EX26-1	1-35	3-46
Heacock	Don	OR118-1	2T2-92	3-38
		OR118-2	2T2-92	3-38
		OR118-3	2T2-92	3-38
		OR118-4	2T2-92	3-38
		OR118-5	2T2-92	3-38
		WR16-1	2-13	3-56

* OR comments located in Volume II
EX/WR comments located in Volume III

Name (Last, First)		Comment Code	Document Location*	Response Location (Vol. I page #)
		WR16-2	2-13	3-56
		WR16-3	2-13	3-56
		WR16-4	2-13	3-56
Hee	Marisha	WR386-1	2-330	3-97
		WR386-2	2-331	3-97
		WR386-3	2-331	3-97
Hee	Marsha	WR383-1	2-328	3-97
		WR383-2	2-328	3-97
Henderson	Frank	WR168-1	2-147	3-72
Henriques	Eugene	OR45-1	2T1-84	3-28
		WR314-1	2-248	3-84
Hilbonson	M.	WR501-1	2-381	3-104
		WR501-2	2-381	3-104
Hill	Khiyani	OR38-1	2T1-76	3-27
		OR38-2	2T1-76	3-27
		OR38-3	2T1-76	3-27
		OR38-4	2T1-77	3-27
Hiraoka	Bernice	WR288-1	2-229	3-81
Hirata	Gerald M.	WR162-1	2-144	3-71
		WR162-2	2-144	3-71
		WR299-1	2-235	3-82
Hoffmann, PhD	James	WR258-1	2-213	3-79
Holi	Wilma	OR95-1	2T2-62	3-35
Holley	Anson	OR99-1	2T2-66	3-35
		OR99-2	2T2-66	3-35
		OR99-3	2T2-67	3-35
Honjiyo	William T.	OR75-1	2T2-35	3-31
		EX36-1	1-43	3-47
Hopkins	Kimberly	WR102-1	2-107	3-66

* OR comments located in Volume II
EX/WR comments located in Volume III

Name (Last, First)		Comment Code	Document Location*	Response Location (Vol. I page #)
Horibe	Harriet K.	EX93-1	1-97	3-51
Horowitz	Adam J.	OR28-1 WR134-1	2T1-64 2-125	3-26 3-68
Hudson	Joan	WR244-1	2-205	3-79
Hughes	William C.	EX76-1	1-80	3-50
Hurd	Amy	OR91-1	2T2-58	3-34
Hutchings	Jennie	WR20-1	2-15	3-56
Ibanez	Ingrid	OR82-1 OR82-2 OR82-3 OR82-4 OR82-5	2T2-43 2T2-43 2T2-43 2T2-43 2T2-43	3-32 3-32 3-32 3-32 3-33
Illegible		WR149-1	2-135	3-69
Ingram	Renee	WR77-1	2-88	3-64
Inouye	Daniel K.	WR329-1	2-290	3-93
Inouye	Robert	OR14-1 EX5-1	2T1-47 1-11	3-24 3-43
Irwin	Joyce	EX32-1	1-40	3-46
Irwin	Richard M.	OR25-1 EX9-1 EX9-2 EX9-3 EX9-4 EX9-5 EX9-6 EX9-7 EX9-8 EX9-9 EX9-10 EX9-11 EX9-12	2T1-61 1-15 1-15 1-15 1-15 1-15 1-15 1-15 1-15 1-15 1-15 1-15 1-15	3-26 3-44 3-44 3-44 3-44 3-44 3-44 3-44 3-44 3-44 3-44 3-44 3-45

* OR comments located in Volume II
EX/WR comments located in Volume III

Name (Last, First)		Comment Code	Document Location*	Response Location (Vol. I page #)
		EX9-13	1-15	3-45
		EX9-14	1-16	3-45
		EX9-15	1-16	3-45
		EX9-16	1-16	3-45
		EX9-17	1-16	3-45
		EX9-18	1-16	3-45
		EX9-19	1-17	3-45
		EX49-1	1-52	3-47
		EX106-1	1-109	3-51
Ishikawa	Robert	OR53-1	2T1-92	3-29
Jackson	Norman W.	WR318-1	2-266	3-85
		WR318-2	2-266	3-85
		WR318-3	2-266	3-85
Jacobsen	David	WR491-1	2-369	3-101
Jager	Diane	WR180-1	2-153	3-72
Jager	Fred	OR18-1	2T1-51	3-24
		OR18-2	2T1-51	3-24
		OR18-3	2T1-52	3-24
		WR135-1	2-126	3-68
Jarvis	Barbara	EX28-1	1-37	3-46
		WR482-1	2-367	3-101
Jetty	Chas	OR71-1	2T2-31	3-31
Jones	Dr. Michael	OR105-1	2T2-73	3-36
		OR105-2	2T2-74	3-36
		OR105-3	2T2-74	3-36
		OR105-4	2T2-74	3-37
		OR105-5	2T2-74	3-37
Jones	Jullita	WR252-1	2-210	3-79
Jones	Ken	OR81-1	2T2-42	3-32
		OR81-2	2T2-42	3-32
		OR81-3	2T2-42	3-32
		EX64-1	1-68	3-49
		EX64-2	1-69	3-49

* OR comments located in Volume II
EX/WR comments located in Volume III

Name (Last, First)		Comment Code	Document Location*	Response Location (Vol. I page #)
		WR423-1	2-349	3-99
Jones	Mary Mildred	WR308-1	2-240	3-82
		WR395-1	2-335	3-97
		WR489-1	2-369	3-101
Jones	Michael	WR2-1	2-3	3-52
		WR2-2	2-3	3-52
		WR2-3	2-3	3-52
		WR2-4	2-4	3-53
		WR2-5	2-4	3-53
		WR2-6	2-4	3-53
		WR2-7	2-4	3-53
		WR2-8	2-4	3-53
		WR2-9	2-4	3-54
		WR90-1	2-100	3-65
		WR90-2	2-100	3-66
Jones	Roberta	OR112-1	2T2-85	3-37
Jordan	Judy	WR373-1	2-322	3-96
Ka'iakapa	Patricia	WR483-1	2-367	3-101
Kaauai-Anama	Nalai K.	WR192-1	2-160	3-73
		WR192-2	2-160	3-74
		WR192-3	2-160	3-74
Kaaumai-Anama	Nalani K.	WR117-1	2-114	3-67
		WR117-2	2-114	3-67
		WR117-3	2-114	3-67
Kaaumoana	Nanette	OR65-1	2T2-23	3-30
		OR65-2	2T2-23	3-30
		OR65-3	2T2-23	3-30
		OR65-4	2T2-23	3-30
		OR65-5	2T2-23	3-30
		OR65-6	2T2-23	3-30
		OR65-7	2T2-24	3-31
		EX41-1	1-46	3-47
		EX41-2	1-46	3-47
		EX41-3	1-46	3-47
		EX41-4	1-46	3-47

* OR comments located in Volume II
EX/WR comments located in Volume III

Name (Last, First)		Comment Code	Document Location*	Response Location (Vol. I page #)
Kagawa	Ross	OR73-1	2T2-33	3-31
Kaipaka	Marilyn Miki	WR412-1	2-344	3-98
Kalamau	Lei	OR63-1	2T2-20	3-30
		WR89-1	2-98	3-65
Kanna	George A.	EX84-1	1-88	3-50
Kanofo	Ezra	OR2-1	2T1-28	3-20
		OR2-2	2T1-28	3-20
		OR2-3	2T1-29	3-20
		OR2-4	2T1-29	3-20
		EX1-1	1-3	3-43
		EX1-2	1-3	3-43
		EX1-3	1-3	3-43
		EX1-4	1-3	3-43
Kaopio	Kaleialii	OR129-1	2T2-106	3-40
		EX65-1	1-69	3-49
Kaopio Jr.	Matthew	EX14-1	1-29	3-45
Katahara	Glenn	WR295-1	2-233	3-81
Kawakami	Bertha	OR2-1	2T1-28	3-20
		OR2-2	2T1-28	3-20
		OR2-3	2T1-29	3-20
		OR2-4	2T1-29	3-20
		EX1-1	1-3	3-43
		EX1-2	1-3	3-43
		EX1-3	1-3	3-43
		EX1-4	1-3	3-43
Kawamura	Edward	EX12-1	1-28	3-45
Kawane	Wallace M.	WR83-1	2-91	3-64
Kekahu III	John K.	WR325-1	2-271	3-85
Kelley	Mary Lu	WR43-1	2-34	3-61
		WR331-1	2-296	3-93
		WR331-2	2-296	3-93

* OR comments located in Volume II
EX/WR comments located in Volume III

Name (Last, First)		Comment Code	Document Location*	Response Location (Vol. I page #)
		WR331-3	2-296	3-93
Keough	Kirby	WR406-1	2-341	3-98
		WR484-1	2-368	3-101
Kepner	Brandon W.	WR283-1	2-227	3-81
Keppeler	John	WR194-1	2-162	3-74
		WR194-2	2-162	3-74
		WR194-3	2-162	3-74
Kimball	Deborah	OR66-1	2T2-24	3-31
		OR66-2	2T2-24	3-31
		OR66-3	2T2-25	3-31
		OR66-4	2T2-25	3-31
		EX42-1	1-47	3-47
		EX42-2	1-47	3-47
		EX42-3	1-47	3-47
		EX42-4	1-47	3-47
Knaps, MD	Albrecht	WR468-1	2-363	3-100
Kneps	Christine	WR420-1	2-348	3-98
Kolder	Teri	WR112-1	2-112	3-67
Korte	Gera	WR82-1	2-90	3-64
		WR436-1	2-355	3-99
Kouchi	Ronald	EX45-1	1-50	3-47
Kucera	Darris	WR141-1	2-129	3-69
Kucera	Richard F.	WR142-1	2-130	3-69
Kuhn	David	WR47-1	2-37	3-61
Kunze	Marc	EX46-1	1-50	3-47
Kurasahi	Steve	WR91-1	2-101	3-66
Kuroiwa	Paul S.	EX88-1	1-92	3-51

* OR comments located in Volume II
EX/WR comments located in Volume III

Name (Last, First)		Comment Code	Document Location*	Response Location (Vol. I page #)
Kutaka	Vivian	WR34-1	2-26	3-60
LaFete	Soleille	WR267-1	2-218	3-80
Langford	Amy	EX19-1	1-32	3-46
Langford	R.	EX20-1	1-32	3-46
Lawrence	Randy	WR316-1	2-265	3-85
Lawshe	James S.	OR68-1	2T2-27	3-31
		EX33-1	1-40	3-46
		EX63-1	1-67	3-49
Layer	Robert	OR101-1	2T2-69	3-36
		WR369-1	2-320	3-96
Leach	Collin	OR157-1	2T2-138	3-43
		OR157-2	2T2-138	3-43
		OR157-3	2T2-138	3-43
		OR157-4	2T2-138	3-43
		WR417-1	2-346	3-98
		WR488-1	2-369	3-101
Lee	Kekapa	WR318-1	2-266	3-84
		WR318-2	2-266	3-85
		WR318-3	2-266	3-85
Lee	Lee	WR445-1	2-357	3-100
Leihitu-Pellin	Carolina	WR464-1	2-362	3-100
Leone	Yolanda	EX72-1	1-78	3-50
Lerner	S.	WR495-1	2-370	3-102
Lester	Ruth Ann	WR1-1	2-3	3-52
		WR349-1	2-306	3-94
Levine	Robert E.	WR6-1	2-6	3-54
Levine	Steven	WR487-1	2-368	3-101

* OR comments located in Volume II
EX/WR comments located in Volume III

Name (Last, First)		Comment Code	Document Location*	Response Location (Vol. I page #)
Lewin	John	WR510-1	2-387	3-104
		WR510-2	2-387	3-105
		WR510-3	2-387	3-105
		WR510-4	2-388	3-105
		WR510-5	2-388	3-105
		WR510-6	2-388	3-105
		WR510-7	2-388	3-105
		WR510-8	2-388	3-105
		WR510-9	2-388	3-105
		WR510-10	2-388	3-105
		WR510-11	2-388	3-105
		WR510-12	2-388	3-105
Lewis	Dickie	WR269-1	2-219	3-80
Liha	Manisha	WR238-1	2-201	3-78
Livingston	Jana	WR23-1	2-17	3-56
Lo	Catherine P.	WR164-1	2-145	3-71
		WR164-2	2-145	3-71
		WR289-1	2-230	3-81
Lo	Karl	WR163-1	2-144	3-71
		WR163-2	2-144	3-71
		WR178-1	2-152	3-72
		WR178-2	2-152	3-72
		WR178-3	2-152	3-72
Long	Lyn	WR136-1	2-127	3-68
		WR458-1	2-361	3-100
Long	William	WR137-1	2-127	3-69
Loomis	Jilda	WR182-1	2-154	3-72
Losefo	Sister Pesio	WR175-1	2-150	3-72
Love	Charley	WR351-1	2-307	3-95
Love	John	OR23-1	2T1-58	3-25
		EX7-1	1-13	3-43

* OR comments located in Volume II
EX/WR comments located in Volume III

Name (Last, First)		Comment Code	Document Location*	Response Location (Vol. I page #)
Lucas	Mary E.	WR58-1	2-45	3-62
Luinn	Jeannie	WR131-1	2-123	3-68
Lundgren	Dr. Jack	OR5-1	2T1-33	3-21
Maarewicz	Conrad	OR92-1	2T2-59	3-34
		OR92-2	2T2-59	3-34
Mackey	Kathie L.	WR5-1	2-5	3-54
Macknowski	Robert	WR73-1	2-84	3-64
Magee	Linda	OR30-1	2T1-67	3-26
Mahal	Ahmen	OR156-1	2T2-137	3-43
Mahal	Enshura	OR56-1	2T1-96	3-29
		OR56-2	2T1-96	3-29
		OR56-3	2T1-96	3-29
		OR56-4	2T1-97	3-29
		OR56-5	2T1-97	3-29
Makarewicz	Irene	WR235-1	2-198	3-78
Makarewicz	Roman	WR236-1	2-198	3-78
Makarewicz	Sienna	WR234-1	2-197	3-78
		WR323-1	2-270	3-85
Makuaole	Sandra	EX86-1	1-90	3-50
Manaker	Ray A.	WR475-1	2-365	3-101
Mandel	Laura	WR179-1	2-152	3-72
Mandel	Mark	WR183-1	2-154	3-72
Mandeville	Christopher	OR137-1	2T2-118	3-40
Manini, Sr.	Joseph Punilei	WR65-1	2-49	3-62
Mansfield	Becky	WR85-1	2-93	3-64

* OR comments located in Volume II
EX/WR comments located in Volume III

Name (Last, First)		Comment Code	Document Location*	Response Location (Vol. I page #)
		WR374-1	2-323	3-96
Marchino	Robert	OR50-1	2T1-89	3-28
Marcus	David	WR388-1 WR429-1	2-332 2-352	3-97 3-99
Mariano	Ferdinand	WR257-1	2-212	3-79
Marinelli	Suzanne	OR72-1 OR72-2 EX56-1 EX56-2 WR62-1 WR231-1 WR231-2 WR231-3 WR231-4 WR231-5 WR231-6 WR231-7	2T2-32 2T2-32 1-60 1-61 2-47 2-190 2-190 2-190 2-190 2-191 2-191 2-191	3-31 3-31 3-48 3-48 3-62 3-77 3-77 3-77 3-77 3-78 3-78 3-78
Markowski	Mark M.	EX80-1	1-84	3-50
Marston	Nani	OR144-1	2T2-126	3-42
Martin	Mrs.	WR80-1	2-89	3-64
Martin	Rodney	OR140-1 EX92-1	2T2-120 1-96	3-41 3-51
Marty	Conrad	WR122-1	2-117	3-68
Masters	Mark	WR457-1	2-360	3-100
Matthews	Ann	WR233-1 WR500-1	2-197 2-380	3-78 3-104
Mayall	Hilary	WR251-1 WR463-1	2-209 2-362	3-79 3-100
McBride	Bonnie	WR228-1	2-186	3-77

* OR comments located in Volume II
EX/WR comments located in Volume III

Name (Last, First)		Comment Code	Document Location*	Response Location (Vol. I page #)
McBride	Brigid	OR51-1	2T1-90	3-28
		OR51-2	2T1-90	3-28
		WR66-1	2-78	3-62
		WR66-2	2-78	3-62
		WR66-3	2-78	3-62
		WR196-1	2-165	3-74
		WR196-2	2-165	3-74
		WR196-3	2-165	3-74
		WR361-1	2-315	3-95
		WR361-2	2-315	3-95
		WR361-3	2-315	3-95
McClelland-Cowan	Kathy	WR95-1	2-103	3-66
McCustion	Laura	WR86-1	2-93	3-64
McGregor	Dr. Davianna	OR125-1	2T2-101	3-38
		OR125-2	2T2-101	3-38
		OR125-3	2T2-101	3-39
		OR125-4	2T2-101	3-39
		OR125-5	2T2-102	3-39
		OR125-6	2T2-102	3-39
		OR125-7	2T2-102	3-39
		OR125-8	2T2-102	3-39
		OR125-9	2T2-102	3-39
		EX54-1	1-56	3-48
		EX54-2	1-56	3-48
		EX54-3	1-56	3-48
		EX54-4	1-56	3-48
		EX54-5	1-56	3-48
		EX54-6	1-57	3-48
		EX54-7	1-57	3-48
		EX54-8	1-57	3-48
		EX54-9	1-57	3-48
		EX54-10	1-57	3-48
		EX54-11	1-57	3-48
EX54-12	1-57	3-48		
McHenry		WR360-1	2-314	3-95
McHenry	Robert W.	WR260-1	2-214	3-80
McKenna	Cynthia	WR186-1	2-156	3-73

* OR comments located in Volume II
EX/WR comments located in Volume III

Name (Last, First)		Comment Code	Document Location*	Response Location (Vol. I page #)
McKeown	Barry	EX99-1	1-103	3-51
McKibbin	Doug	WR158-1	2-141	3-71
Measel	Robert	OR52-1	2T1-92	3-28
Measel, Jr.	Robert	WR418-1	2-347	3-98
		WR432-1	2-354	3-99
Medico	Jane	WR125-1	2-118	3-68
Mehl	Helen M.	WR72-1	2-83	3-64
		WR72-2	2-83	3-64
		WR334-1	2-298	3-93
		WR334-2	2-298	3-93
		WR334-3	2-298	3-93
		WR334-4	2-298	3-93
		WR334-5	2-298	3-93
Melendez	Deborah	WR55-1	2-43	3-62
		WR109-1	2-110	3-67
Mendelson	Meryl	WR425-1	2-350	3-99
Mentley	Lue	WR387-1	2-331	3-97
Meorolt	David	WR145-1	2-133	3-69
Merrimax	Francis	WR15-1	2-13	3-56
		WR390-1	2-333	3-97
Mesler	James	WR22-1	2-17	3-56
Metteauea	Craig	WR490-1	2-369	3-101
Meyer	Bob	OR48-1	2T1-87	3-28
		OR48-2	2T1-87	3-28
Michaelsen	Lillian	WR367-1	2-319	3-96
Miller	Bonnie	WR172-1	2-149	3-72
Miller	Mary Pat	WR211-1	2-173	3-75

* OR comments located in Volume II
EX/WR comments located in Volume III

Name (Last, First)		Comment Code	Document Location*	Response Location (Vol. I page #)
Minium	Flora	WR92-1	2-101	3-66
Mink	Patsy T.	OR83-1	2T2-45	3-33
		OR83-2	2T2-46	3-33
		OR83-3	2T2-46	3-33
		OR83-4	2T2-47	3-33
		OR83-5	2T2-47	3-33
		OR83-6	2T2-47	3-33
		OR83-7	2T2-48	3-33
		OR83-8	2T2-48	3-33
		EX66-1	1-72	3-49
		EX66-2	1-72	3-49
		EX66-3	1-72	3-49
		EX66-4	1-72	3-50
		EX66-5	1-73	3-50
		EX66-6	1-73	3-50
		EX66-7	1-73	3-50
		EX66-8	1-73	3-50
Mirowsky	Lawrence	EX104-1	1-108	3-51
Mitchell	Wendy	OR36-1	2T1-75	3-27
		WR400-1	2-338	3-98
Molira	Rodney	EX39-1	1-44	3-47
Momohara	Dan	OR122-1	2T2-98	3-38
Mons	Marion	OR87-1	2T2-53	3-34
		OR87-2	2T2-53	3-34
		OR87-3	2T2-54	3-34
		WR297-1	2-234	3-81
		WR297-2	2-234	3-81
		WR297-3	2-234	3-82
		WR297-4	2-234	3-82
Moore	Sally Jo	WR278-1	2-224	3-80
Morgan	Candice	OR153-1	2T2-135	3-42
Morikawa	Muggsy K.	EX87-1	1-91	3-50
Morris	Patrice	WR280-1	2-225	3-80

* OR comments located in Volume II
EX/WR comments located in Volume III

Name (Last, First)		Comment Code	Document Location*	Response Location (Vol. I page #)
Morris	Richard J.	EX100-1	1-104	3-51
Morrow	Melissa	WR509-1	2-386	3-104
Morton	Laka	OR97-1	2T2-64	3-35
		OR97-2	2T2-65	3-35
		OR97-3	2T2-65	3-35
		WR368-1	2-319	3-96
Mossman	Vida	EX37-1	1-43	3-47
Mulhall	Mary	EX15-1	1-30	3-45
Muraoka	Rene	WR103-1	2-107	3-66
Murayama	Robin	EX96-1	1-100	3-51
Nakahara	Joyce	WR113-1	2-112	3-67
Nansel	Lisa de Treax	WR184-1	2-155	3-72
Native Hawaiian Advisory Council		WR71-1	2-82	3-63
Nekomoto	David S.	OR4-1	2T1-31	3-20
		EX2-1	1-6	3-43
Nelson	Alice	OR46-1	2T1-85	3-28
Nelson	Krija S.	WR123-1	2-117	3-68
Neumann	Janet	OR86-1	2T2-52	3-33
		OR86-2	2T2-52	3-34
		OR86-3	2T2-52	3-34
		OR86-4	2T2-52	3-34
		OR86-5	2T2-52	3-34
		WR215-1	2-178	3-76
WR461-1	2-361	3-100		
Niau	Sonny	OR136-1	2T2-116	3-40
Nichols	Lori	WR450-1	2-359	3-100

* OR comments located in Volume II
EX/WR comments located in Volume III

Name (Last, First)		Comment Code	Document Location*	Response Location (Vol. I page #)
Nihi	Ben	OR16-1	2T1-48	3-24
Nishihira	Amy C.	WR255-1	2-211	3-79
		WR255-2	2-211	3-79
Nishimoto	Catherine & Brysone	WR277-1	2-223	3-80
Norris	Tom	OR100-1	2T2-68	3-35
		OR100-2	2T2-68	3-36
		OR100-3	2T2-68	3-36
		OR100-4	2T2-69	3-36
		WR328-1	2-286	3-92
		WR328-2	2-286	3-92
		WR328-3	2-287	3-92
		WR328-4	2-287	3-92
		WR328-5	2-287	3-92
		WR328-6	2-288	3-92
		WR328-7	2-288	3-93
		WR438-1	2-356	3-99
Nunes	Wendell	OR88-1	2T2-54	3-34
O'Donnell	Jim	OR135-1	2T2-114	3-40
		WR498-1	2-377	3-104
O'Donnell	Sally	OR134-1	2T2-113	3-40
		OR134-2	2T2-113	3-40
		OR134-3	2T2-113	3-40
		OR134-4	2T2-113	3-40
		OR134-5	2T2-113	3-40
		WR414-1	2-345	3-98
O'Hearn	Michelle	WR282-1	2-226	3-81
		WR405-1	2-340	3-97
Oceana	Alia	WR392-1	2-334	3-97
Oda	Ronald M.	WR93-1	2-102	3-66
Offley	Caleb M.	WR147-1	2-134	3-69
		WR247-1	2-207	3-79
Oliver	Dennis J.	WR166-1	2-146	3-72

* OR comments located in Volume II
EX/WR comments located in Volume III

Name (Last, First)		Comment Code	Document Location*	Response Location (Vol. I page #)
Oliver	Polli	OR117-1	2T2-91	3-38
		OR117-2	2T2-91	3-38
		WR165-1	2-145	3-71
Ovarton	L.	WR453-1	2-359	3-100
Owen	Betty	WR415-1	2-345	3-98
Pa	Cyndi	WR272-1	2-220	3-80
Paglinawan	Richard K.	WR67-1	2-79	3-63
		WR67-2	2-79	3-63
		WR67-3	2-79	3-63
		WR67-4	2-79	3-63
		WR67-5	2-79	3-63
		WR67-6	2-80	3-63
		WR67-7	2-80	3-63
		WR67-8	2-80	3-63
Paigge	Barbara Jean	WR411-1	2-343	3-98
Palmer	Pamela	WR31-1	2-23	3-58
		WR190-1	2-158	3-73
		WR190-2	2-158	3-73
		WR291-1	2-231	3-81
		WR291-2	2-231	3-81
		WR343-1	2-303	3-94
Palting	Larry	WR187-1	2-157	3-73
Parks	Andrew	OR77-1	2T2-37	3-32
		EX105-1	1-109	3-51
Parsons	Judith	WR60-1	2-46	3-62
Partida	Alberto	OR148-1	2T2-129	3-42
Partido	Alberto	WR366-1	2-318	3-96
		WR465-1	2-362	3-100
Patterson	A.J.	WR248-1	2-208	3-79
		WR248-2	2-208	3-79

* OR comments located in Volume II
EX/WR comments located in Volume III

Name (Last, First)		Comment Code	Document Location*	Response Location (Vol. I page #)
Patterson	Kaleo	WR313-1	2-244	3-83
		WR313-2	2-244	3-83
		WR313-3	2-244	3-83
		WR313-4	2-245	3-83
		WR313-5	2-245	3-83
		WR313-6	2-245	3-83
		WR313-7	2-245	3-83
		WR313-8	2-245	3-83
		WR313-9	2-245	3-83
		WR313-10	2-245	3-83
		WR313-11	2-245	3-83
		WR313-12	2-246	3-84
		WR313-13	2-246	3-84
		WR313-14	2-246	3-84
		WR313-15	2-246	3-84
		WR313-16	2-246	3-84
		WR313-17	2-246	3-84
		WR313-18	2-247	3-84
		WR313-19	2-247	3-84
		WR313-20	2-247	3-84
		WR313-21	2-247	3-84
		WR313-22	2-247	3-84
		WR313-23	2-247	3-84
		WR313-24	2-247	3-84
		WR313-25	2-248	3-84
Patterson	Rev. Kaleo	OR103-1	2T2-70	3-36
		OR103-2	2T2-71	3-36
		OR103-3	2T2-71	3-36
		OR103-4	2T2-71	3-36
		OR103-5	2T2-71	3-36
		EX111-1	1-118	3-52
Patts	John	OR57-1	2T1-98	3-29
		OR57-2	2T1-98	3-29
Patula	Al	WR197-1	2-166	3-74
		WR197-2	2-166	3-74
Paty	William	WR194-1	2-162	3-73
		WR194-2	2-162	3-74
		WR194-3	2-162	3-74
		WR511-1	2-389	3-106

* OR comments located in Volume II
EX/WR comments located in Volume III

Name (Last, First)		Comment Code	Document Location*	Response Location (Vol. I page #)
		WR511-2	2-389	3-106
		WR511-3	2-389	3-106
		WR511-4	2-389	3-106
		WR511-5	2-389	3-106
Pearson	Mark	WR293-1	2-232	3-81
Pelegriano	James D.	EX101-1	1-105	3-51
Peragine	Lana	WR346-1	2-304	3-94
Perrotta, Jr.	Louis A.	WR45-1	2-36	3-61
		WR330-1	2-291	3-93
		WR330-2	2-291	3-93
		WR330-3	2-291	3-93
		WR330-4	2-292	3-93
		WR330-5	2-292	3-93
		WR437-1	2-355	3-99
Peterson	Glenn	OR8-1	2T1-37	3-21
Petrich	Alfred J.	WR296-1	2-234	3-81
Petrich	Doris	WR200-1	2-167	3-74
Pickett	Kathleen K.	WR266-1	2-217	3-80
Pickett	Thomas S.	WR249-1	2-208	3-79
Poliatch	Karen Bacon	WR408-1	2-342	3-98
Pomroy	Sharon	OR19-1	2T1-52	3-24
		OR19-2	2T1-52	3-24
		OR19-3	2T1-53	3-24
Post	Amy	WR440-1	2-356	3-99
Post	Wallis	WR441-1	2-356	3-99
Prater	Sharon	OR26-1	2T1-62	3-26
Price	Jana	WR42-1	2-33	3-61
		WR352-1	2-308	3-95

* OR comments located in Volume II
EX/WR comments located in Volume III

Name (Last, First)		Comment Code	Document Location*	Response Location (Vol. I page #)
Rawlins	Debra	WR128-1	2-121	3-68
Read	Raymond C.	WR424-1	2-350	3-99
Rediger	Cliff	OR121-1	2T2-95	3-38
Rhodes	David & Heidi	WR225-1	2-183	3-76
Rhodes	Heidi	WR284-1	2-227	3-81
Richardson	Lorraine	WR507-1	2-384	3-104
Ridgeway	Lynn	WR364-1	2-317	3-96
Riedel	Suzanne	WR37-1	2-28	3-60
Riklon	Johnsay A.	WR230-1	2-188	3-77
Riklon	Julian	OR13-1	2T1-46	3-24
		WR133-1	2-125	3-68
Riley	Joni	OR133-1	2T2-111	3-40
		OR133-2	2T2-112	3-40
		OR133-3	2T2-112	3-40
		OR133-4	2T2-112	3-40
		EX52-1	1-55	3-48
		EX52-2	1-54	3-48
		WR265-1	2-217	3-80
Rita	D.M.	OR146-1	2T2-127	3-42
		EX51-1	1-53	3-48
Robinson	Keith	OR33-1	2T1-70	3-27
Rodarte	Sandra	WR198-1	2-166	3-74
Rogers	Cassidy	WR155-1	2-140	3-70
Rogers	Django	WR294-1	2-233	3-81
Rogers	Nani	OR126-1	2T2-103	3-39
		OR126-2	2T2-104	3-39
		WR87-1	2-94	3-64

* OR comments located in Volume II
EX/WR comments located in Volume III

Name (Last, First)		Comment Code	Document Location*	Response Location (Vol. I page #)
Rosenfeld	Dale	EX30-1	1-38	3-46
		WR416-1	2-346	3-98
Ross	Lisa K.	WR344-1	2-303	3-94
Ross	Richard	EX82-1	1-86	3-50
Rossite	Don	WR466-1	2-363	3-100
Roversi	Lee	WR286-1	2-228	3-81
Rubenstein	Gary	WR9-1	2-8	3-55
		WR9-2	2-9	3-55
		WR9-3	2-9	3-55
		WR9-4	2-9	3-55
		WR9-5	2-9	3-55
		WR9-6	2-9	3-55
		WR9-7	2-9	3-56
Rubio	Ralph	WR104-1	2-108	3-66
Ruiz	Ginger	OR147-1	2T2-128	3-42
		EX50-1	1-53	3-47
Sabbatini	Lola	WR454-1	2-360	3-100
Sadomiano	Francisco	WR303-1	2-238	3-82
Sakoda	Larry	EX89-1	1-93	3-51
Salamonsen	P.J.	WR144-1	2-132	3-69
Salburg	Harry	WR371-1	2-321	3-96
Salsburg	Harry	OR35-1	2T1-73	3-27
		OR35-2	2T1-73	3-27
		OR35-3	2T1-74	3-27
		OR35-4	2T1-74	3-27
Sample	Gary	OR29-1	2T1-66	3-26
		OR29-2	2T1-66	3-26
		OR29-3	2T1-66	3-26
		OR29-4	2T1-66	3-26

* OR comments located in Volume II
EX/WR comments located in Volume III

Name (Last, First)		Comment Code	Document Location*	Response Location (Vol. I page #)
		OR29-5	2T1-66	3-26
		OR29-6	2T1-67	3-26
		OR29-7	2T1-67	3-26
Santos	Carolina	EX91-1	1-95	3-51
Sato	Glenn H.	WR33-1	2-25	3-58
		WR33-2	2-25	3-58
		WR33-3	2-25	3-58
		WR33-4	2-25	3-58
		WR33-5	2-25	3-58
		WR33-6	2-25	3-59
		WR33-7	2-25	3-59
		WR33-8	2-25	3-59
		WR33-9	2-25	3-59
		WR33-10	2-26	3-59
		WR33-11	2-26	3-60
		WR33-12	2-26	3-60
		WR33-13	2-26	3-60
		WR33-14	2-26	3-60
		WR33-15	2-26	3-60
Saunders	Cheryl Ann	OR32-1	2T1-69	3-27
		OR32-2	2T1-69	3-27
Saunders	David P.	OR6-1	2T1-34	3-21
Scamahorn	Elizabeth	OR37-1	2T1-75	3-27
		OR37-2	2T1-76	3-27
		OR37-3	2T1-76	3-27
		EX10-1	1-19	3-45
		EX10-2	1-19	3-45
		EX10-3	1-19	3-45
Schaefer	Brian	OR96-1	2T2-63	3-35
		OR96-2	2T2-63	3-35
		EX61-1	1-65	3-49
		EX61-2	1-65	3-49
Schavone	Tracy	OR74-1	2T2-33	3-31
Schild	T.	WR287-1	2-229	3-81

* OR comments located in Volume II
EX/WR comments located in Volume III

Name (Last, First)		Comment Code	Document Location*	Response Location (Vol. I page #)
Schlichter	Joseph	WR375-1	2-323	3-96
Schofield	Faye	WR452-1	2-359	3-100
Schutt	LaRae	WR317-1	2-266	3-85
Scott	John	OR10-1	2T1-39	3-21
		OR10-2	2T1-40	3-21
		OR10-3	2T1-40	3-21
		OR10-4	2T1-40	3-22
		OR10-5	2T1-40	3-22
		OR10-6	2T1-40	3-22
		OR10-7	2T1-40	3-22
Serle	Ranjana	WR310-1	2-241	3-82
Serle	Ronald	WR321-1	2-269	3-85
Shanha	Michael	WR154-1	2-139	3-70
Shapiro	Dan	WR382-1	2-327	3-97
		WR473-1	2-364	3-101
Shapiro	Howard	WR28-1	2-21	3-57
		WR28-2	2-21	3-57
Shea	Kate Harrington	WR61-1	2-46	3-62
Sherman	Richard	WR56-1	2-44	3-62
		WR350-1	2-307	3-94
		WR350-2	2-307	3-94
Sherrow	Cat	EX34-1	1-41	3-47
Shiebert	Todd	OR85-1	2T2-50	3-33
		OR85-2	2T2-51	3-33
Shields	Ron	OR98-1	2T2-65	3-35
		WR11-1	2-11	3-56
Siegel	Lenny	OR35-1	2T1-73	3-27
		OR35-2	2T1-73	3-27
		OR35-3	2T1-74	3-27

* OR comments located in Volume II
EX/WR comments located in Volume III

Name (Last, First)		Comment Code	Document Location*	Response Location (Vol. I page #)
		OR35-4	2T1-74	3-27
Simpson	Scott	OR111-1	2T2-84	3-37
		OR111-2	2T2-84	3-37
Sivadas	Iraja	WR101-1	2-106	3-66
Slater	Gary	OR27-1	2T1-63	3-26
		OR27-2	2T1-64	3-26
Smith	Drake	WR138-1	2-128	3-69
Smockhoffmann, PhD	Sharon	WR262-1	2-215	3-80
Snyder	E.C.	WR44-1	2-34	3-61
Snyder	Fred	WR78-1	2-88	3-64
Snyder, M.D.	Maria C.	WR12-1	2-11	3-56
		WR342-1	2-302	3-94
		WR421-1	2-348	3-98
Soleysik	Steve & Linda	WR492-1	2-370	3-101
Soleysik	Steven R.	WR403-1	2-339	3-98
Solomon	Rebecca Eve	WR152-1	2-138	3-70
Soto	Averiet	OR24-1	2T1-59	3-25
		OR24-2	2T1-60	3-25
		EX8-1	1-13	3-43
		EX8-2	1-13	3-43
Soto	Peggy	EX94-1	1-98	3-51
Speed	Errol	OR123-1	2T2-98	3-38
Spencer	Shelly	WR218-1	2-180	3-76
Spillane	Patricia B.	WR355-1	2-310	3-95
Spinnler	Jesse	WR281-1	2-225	3-81

* OR comments located in Volume II
EX/WR comments located in Volume III

Name (Last, First)		Comment Code	Document Location*	Response Location (Vol. I page #)
Stamler	Vickie	OR49-1	2T1-88	3-28
		OR49-2	2T1-88	3-28
		OR49-3	2T1-88	3-28
		OR49-4	2T1-88	3-28
		OR49-5	2T1-88	3-28
		OR49-6	2T1-89	3-28
		OR49-7	2T1-89	3-28
Star	Regina	OR141-1	2T2-122	3-41
Star	Ruby	WR174-1	2-150	3-72
Star	Tim	OR80-1	2T2-40	3-32
		OR80-2	2T2-41	3-32
		OR80-3	2T2-41	3-32
		EX60-1	1-64	3-49
		EX60-2	1-64	3-49
		EX60-3	1-64	3-49
		WR292-1	2-231	3-81
Stark	June B.	WR176-1	2-151	3-72
Stark-Wickman	Cynthia	OR9-1	2T1-38	3-21
		OR9-2	2T1-38	3-21
		EX3-1	1-7	3-43
Stayton	Susan	WR504-1	2-382	3-104
		WR504-2	2-382	3-104
		WR504-3	2-382	3-104
Steidle	Karen	WR227-1	2-185	3-77
Steinwachs	Leslie	WR76-1	2-87	3-64
Stevens	Scott W.	EX85-1	1-90	3-50
Steward	Kathleen	WR26-1	2-19	3-56
		WR26-2	2-19	3-57
		WR26-3	2-20	3-57
Stocker	Steven C.	WR232-1	2-196	3-78
Stokes	Debbie	WR506-1	2-383	3-104

* OR comments located in Volume II
EX/WR comments located in Volume III

Name (Last, First)		Comment Code	Document Location*	Response Location (Vol. I page #)
Stong	Richard	OR22-1	2T1-56	3-25
		EX6-1	1-12	3-43
Strard	Kathleen	WR354-1	2-309	3-95
Stuart	Barbara P.	WR315-1	2-265	3-84
		WR315-2	2-265	3-84
		WR315-3	2-265	3-85
Sullivan	Leatrice	WR202-1	2-168	3-75
Sussman	Gaetal	EX17-1	1-31	3-46
Sussman	Michael	EX13-1	1-29	3-45
Swalurt	George	EX38-1	1-44	3-47
Swatek	Michael	WR52-1	2-42	3-61
		WR376-1	2-324	3-96
		WR376-2	2-324	3-96
		WR376-3	2-324	3-96
Takemoto	Tsugime	WR54-1	2-43	3-62
Taylor	Gabriella	OR120-1	2T2-95	3-38
		OR120-2	2T2-95	3-38
		OR120-3	2T2-95	3-38
		WR356-1	2-311	3-95
		WR356-2	2-311	3-95
		WR356-3	2-311	3-95
Templeton	Skip	WR177-1	2-151	3-72
Thal	Karuna	OR84-1	2T2-49	3-33
		OR84-2	2T2-49	3-33
Thomson	Joseph	WR39-1	2-32	3-60
		WR39-2	2-32	3-60
		WR39-3	2-32	3-60
		WR119-1	2-115	3-68
		WR119-2	2-115	3-68
		WR156-1	2-140	3-70
		WR156-2	2-140	3-71

* OR comments located in Volume II
EX/WR comments located in Volume III

Name (Last, First)		Comment Code	Document Location*	Response Location (Vol. I page #)
		WR347-1	2-305	3-94
Tillman	Ingrid	WR264-1	2-216	3-80
		WR477-1	2-366	3-101
Tokehan	Lee Ann	WR150-1	2-135	3-69
Tomas	Sharon	EX73-1	1-78	3-50
Tomlinson	Jay	WR169-1	2-147	3-72
Tottorio	Leland	OR94-1	2T2-61	3-35
		OR94-2	2T2-61	3-35
Trask	Arthur	OR39-1	2T1-78	3-28
Trembath	Healani	OR127-1	2T2-104	3-39
Tuck	Carmela	OR110-1	2T2-83	3-37
		OR110-2	2T2-83	3-37
		OR110-3	2T2-83	3-37
		OR110-4	2T2-83	3-37
		OR110-5	2T2-83	3-37
		EX31-1	1-39	3-46
		EX31-2	1-39	3-46
		EX31-3	1-39	3-46
		EX31-4	1-39	3-46
		EX31-5	1-39	3-46
		WR358-1	2-312	3-95
		WR358-2	2-312	3-95
		WR358-3	2-312	3-95
		WR460-1	2-361	3-100
Tyler, R.N.	Nancy	WR185-1	2-156	3-72
		WR185-2	2-156	3-72
		WR185-3	2-156	3-73
Ulii-Caster	Charlene	OR20-1	2T1-53	3-25
Unanian	Betty	WR380-1	2-326	3-97
		WR434-1	2-354	3-99
Unanian	E.	WR389-1	2-332	3-97

* OR comments located in Volume II
EX/WR comments located in Volume III

Name (Last, First)		Comment Code	Document Location*	Response Location (Vol. I page #)
Unknown		EX70-1	1-77	3-50
		EX71-1	1-77	3-50
Unreadable		EX16-1	1-30	3-45
		WR339-1	2-301	3-94
Unsigned		WR50-1	2-39	3-61
		WR365-1	2-318	3-96
		WR448-1	2-358	3-100
Valenciano	Randal	OR3-1	2T1-30	3-20
Van Aulon	Anita	WR57-1	2-44	3-62
		WR57-2	2-44	3-62
Van Mark	Patti Rae	WR41-1	2-33	3-61
		WR41-2	2-33	3-61
Varaday	Larissa	WR442-1	2-357	3-99
Velarde	Monica	WR3-1	2-4	3-54
Verrill	Lucille	WR359-1	2-313	3-95
		WR359-2	2-313	3-95
		WR359-3	2-313	3-95
Viernes	Kathleen	WR338-1	2-300	3-94
		WR451-1	2-359	3-100
Visitacion	John D.	EX83-1	1-87	3-50
Wade	Shannon	EX22-1	1-33	3-46
Wagoner	Darcy	WR79-1	2-89	3-64
		WR480-1	2-367	3-101
Walker	Kathryn	OR70-1	2T2-30	3-31
Warren	Mae Lynn L.	OR42-1	2T1-81	3-28
Warren	Van K.	OR41-1	2T1-80	3-28
		OR41-2	2T1-80	3-28
		EX77-1	1-82	3-50

* OR comments located in Volume II
EX/WR comments located in Volume III

Name (Last, First)		Comment Code	Document Location*	Response Location (Vol. I page #)
Washburn	Carol Ann	WR407-1	2-341	3-98
Weber	Jonathan	WR476-1	2-365	3-101
Weber	Pamela	WR459-1	2-361	3-100
Weir	Birdie O.	WR4-1	2-5	3-54
Wells	Gerard	WR426-1	2-351	3-99
Wheeler	Jean	OR145-1	2T2-126	3-42
White	Emmaline	OR113-1	2T2-86	3-37
		EX58-1	1-62	3-49
White, MD	Martin	WR381-1	2-327	3-97
		WR381-2	2-327	3-97
		WR471-1	2-364	3-101
White	Mercedes	OR58-1	2T1-99	3-29
		OR58-2	2T1-99	3-29
		OR58-3	2T1-99	3-29
		OR58-4	2T1-100	3-30
		WR397-1	2-336	3-97
White	Vernon Kalaukahili	OR119-1	2T2-93	3-38
		EX57-1	1-61	3-48
Wiezbowski	Malika	WR393-1	2-334	3-97
Williams	Dan	OR55-1	2T1-95	3-29
		OR55-2	2T1-95	3-29
		OR55-3	2T1-96	3-29
Williams	Valerie	WR120-1	2-116	3-68
		WR120-2	2-116	3-68
		WR157-1	2-141	3-71
		WR157-2	2-141	3-71
Wilson	Kenny	WR69-1	2-81	3-63
Wilson	Susan	OR114-1	2T2-87	3-37
		OR114-2	2T2-87	3-37

* OR comments located in Volume II
EX/WR comments located in Volume III

Name (Last, First)		Comment Code	Document Location*	Response Location (Vol. I page #)
Winkler	James & Dorrie	WR107-1	2-109	3-66
Winn	Rosemary	WR300-1	2-236	3-82
Winninger	Isabelle	WR173-1	2-149	3-72
Wong	Byron	OR152-1	2T2-134	3-42
Woodruff	Genora	OR89-1	2T2-56	3-34
		OR89-2	2T2-56	3-34
		OR89-3	2T2-56	3-34
		OR89-4	2T2-56	3-34
Woodyard	E.	EX75-1	1-80	3-50
		EX75-2	1-80	3-50
		WR14-1	2-12	3-56
Wyeth	Heuionalani	EX40-1	1-45	3-47
		EX40-2	1-45	3-47
		WR508-1	2-385	3-104
		WR508-2	2-385	3-104
Yadoo	Wesley K.	EX98-1	1-102	3-51
Yamashita	Kathie	OR40-1	2T1-79	3-28
Yialui	Lucie	WR345-1	2-304	3-94
Yoshioka	Saburo	OR2-1	2T1-28	3-20
		OR2-2	2T1-28	3-20
		OR2-3	2T1-29	3-20
		OR2-4	2T1-29	3-20
		EX1-1	1-3	3-43
		EX1-2	1-3	3-43
		EX1-3	1-3	3-43
		EX1-4	1-3	3-43
Yost	Robin	EX29-1	1-38	3-46
Yukimura	Jiro & Jennie	WR478-1	2-366	3-101
Yukimura	Joann	OR1-1	2T1-24	3-18

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EX/WR comments located in Volume III

Name (Last, First)		Comment Code	Document Location*	Response Location (Vol. I page #)
		OR1-2	2T1-25	3-18
		OR1-3	2T1-25	3-18
		OR1-4	2T1-25	3-18
		OR1-5	2T1-25	3-19
		OR1-6	2T1-25	3-19
		OR1-7	2T1-26	3-20
		EX110-1	1-113	3-51
		EX110-2	1-113	3-51
		EX110-3	1-113	3-51
		EX110-4	1-113	3-52
		EX110-5	1-114	3-52
Zanin	Maurizia	WR48-1	2-38	3-61
		WR48-2	2-38	3-61
		WR48-3	2-38	3-61
		WR48-4	2-38	3-61
		WR357-1	2-311	3-95
		WR357-2	2-311	3-95
Zerrille	Gary	WR261-1	2-214	3-80
Ziegler	Marjorie	OR67-1	2T2-26	3-31
		OR67-2	2T2-26	3-31
		OR67-3	2T2-27	3-31
		EX43-1	1-48	3-47
		EX43-2	1-48	3-47
		WR326-1	2-272	3-85
		WR326-2	2-272	3-85
		WR326-3	2-272	3-85
		WR326-4	2-272	3-86
		WR326-5	2-272	3-86
		WR326-6	2-272	3-86
		WR326-7	2-273	3-86
		WR326-8	2-273	3-86
		WR326-9	2-273	3-86
		WR326-10	2-273	3-86
		WR326-11	2-273	3-86
		WR326-12	2-273	3-86
		WR326-13	2-273	3-86
		WR326-14	2-273	3-86
		WR326-15	2-273	3-87
		WR326-16	2-273	3-87
		WR326-17	2-273	3-87

* OR comments located in Volume II
EX/WR comments located in Volume III

Name (Last, First)	Comment Code	Document Location*	Response Location (Vol. I page #)	
	WR326-18	2-273	3-87	
	WR326-19	2-274	3-87	
	WR326-20	2-274	3-87	
	WR326-21	2-274	3-87	
	WR326-22	2-274	3-87	
	WR326-23	2-274	3-87	
	WR326-24	2-274	3-87	
	WR326-25	2-274	3-88	
	WR326-26	2-274	3-88	
	WR326-27	2-274	3-88	
	WR326-28	2-274	3-88	
	WR326-29	2-274	3-88	
	WR326-30	2-274	3-89	
	WR326-31	2-274	3-89	
	WR326-32	2-275	3-89	
	WR326-33	2-275	3-89	
	WR326-34	2-275	3-89	
	WR326-35	2-275	3-89	
	WR326-36	2-275	3-89	
	WR326-37	2-275	3-89	
	WR326-38	2-275	3-89	
	WR326-39	2-275	3-89	
	WR326-40	2-275	3-90	
	WR326-41	2-275	3-90	
	WR326-42	2-275	3-90	
	WR326-43	2-275	3-90	
	WR326-44	2-275	3-90	
	WR326-45	2-275	3-90	
	WR326-46	2-275	3-90	
Zoidus	Ann	OR150-1	2T2-132	3-42
		WR312-1	2-242	3-83
		WR312-2	2-243	3-83
		WR312-3	2-243	3-83
		WR312-4	2-243	3-83
		WR398-1	2-337	3-98

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