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October 16, 1980

CABLE LEGIS

TELEX 89-2422

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WRITER'S DIRECT DIAL NUMBER

(202) 637-9104

Mr. Hal L. Hollister Acting Deputy Assistant Secretary for Research Office of Assistant Secretary for Environment U.S. Department of Energy EV-3 Forrestal Building Washington, D.C. 20585

Dear Mr. Hollister:

As you may recall from the dose assessment meeting on Kili last week, Senator Henchi Balos, the Bikinians' elected representative to the Marshall Island Nitijela, asked DOE scientists why they now believe that people can live on Eneu Island in light of the fact that government officials just two years ago stated that Eneu Island would have to remain offlimits for 20-25 years, due to unexpectedly high levels of radiation on the island. You and Dr. Wachholz replied that DOE had no knowledge of such statements.

Senator Balos was referring to testimony on May 22 and June 19, 1978 before the House Appropriations Committee Subcommittee on the Interior. At the May 22 hearing, for example, Ruth Van Cleve, Director of the Office of Territorial Affairs, stated that her expectation that the Bikinians could be moved to Eneu had been changed by recently-released DOE data declaring Eneu off-limits:

> "I must tell you ... that we have suddenly been required to recast our preliminary plans in a very major way. The committee will recall that when we testified before you a month ago, we anticipated, on the basis of the best information then available to us from the Department of Energy, that if it were necessary to move the people of Bikini Island to an alternative,

DAVID GINSBURG MYER FELDMAN J.W. ROSENTHAL FRANK A WEIL + E WILLIAM HENRY LEE R MARKS JOHN H. ZENTAY MARTIN JACOBS JAMES E. WESNER FRED W. DROGULA MICHAEL I. SANDERS, P.C. JOEL S. BURTON JAMES HAMILTON ALFRED J. EICHENLAUB RICHARD P SILLS, P.C. PETER H RODGERS ALAN S WEITZ

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DAVID G. BRESS (908-1976

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GINSBURG, FELDMAN, WEIL AND BRESS

Mr. Hal L. Hollister October 16, 1980 Page Two

> safe site, we could expect that the nearby island of Eneu would be available for the purpose.

Last Thursday we learned that tests of a limited sample of food-stuffs growing on Eneu showed an uptake of radionuclides much in excess of those predicted on the basis of the known cesium and strontium content of the soil. Accordingly, we have concluded that we must eliminate Eneu as an alternative site, and we have thus revised substantially the plans for temporary settlement."

Hearings on 1978 Second Appropriations Bill Before the Subcommittees of the House Committee on Appropriations, 95th Cong., 2d Sess. at 866 (1978) (hereinafter "Hearings"). See also High Commissioner Winkel's statement, <u>id</u>. at p. 889.

Following Mrs. Van Cleve's remarks, Joe Deal of DOE submitted data showing that cesium levels on Eneu were 5 to 6 times the previous estimates. He also stated that radiation measurements in six salt water wells on Eneu may have exceeded EPA standards. Hearings at 877.

At the June 19 hearing, High Commissioner Winkel reported that he had met with the people living on Bikini Island and "explained to the people ... that Eneu Island ... was not considered safe enough to allow their living on it at this time...." Hearings at 913. The Statement of Understanding signed by the U.S. Government on Kili on August 16, 1978 reflects this view: "...[o]n the basis of the most recent scientific information, it appears that Eneu Island ... will ... be unavailable for settlement."

Eight months later, by letter dated May 15, 1979, Ruth Clusen, DOE Assistant Secretary for Environment, wrote to Under Secretary of the Interior Joseph stating unequivocally that Eneu could not be resettled for 20-25 years even with imported food:

> "The degree of uncertainty in estimating doses on Eneu Island is similar to that for Enewetak Atoll. Assuming, therefore, that Enewetak criteria are applicable to other similar situations

GINSBURG, FELDMAN, WEIL AND BRESS

Mr. Hal L. Hollister October 16, 1980 Page Three

> in the northern Marshall Islands, the dose estimates for return of the Bikini people to Eneu Island would be compared to the Enewetak criteria as described above rather than to the FRC guidance. When this is done, it is found that even with imported food the radiation doses to the people on Eneu would not be expected to be in compliance with the Enewetak criteria for about 20-25 years. (Emphasis supplied)

I am enclosing copies of Mrs. Clusen's May 15, 1979 letter as well as cited pages from the hearings, the August 16, 1978 Statement of Understanding, and various newspaper articles that reported at the time that a move to Eneu would not be possible.

In light of the above testimony, I believe it would be appropriate to review this matter, and I request that you provide Senator Balos, through me, with a thorough answer to his question. It may be that these 1978 and 1979 statements were based on incomplete data, but this matter should be cleared up.

I look forward to hearing from you soon.

Sincerely,

Jonathan M. Weisgall

JMW:cmf

Enclosures

cc: Henchi Balos (w/enc.) Ruth Clusen (w/enc.) Steve Gottlieb, Esq. Gordon Law (w/enc.)

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October 28, 1980

J. Deal, EV-131 T. McCraw, EV-30

Attached is a letter from Jonathan Weisgal. He raises the issue of why Eneu was not considered "safe" at the time of the '78 hearings, whereas in 1980 it is conditionally okay. (The content of the May, 1979, letter to which referral is made is nearly identical with our current position, and I will respond to that portion of his letter). Since you were involved at that time (1978), could you provide a response for that portion of the letter?

Please let me know ASAP.

Thank you.

Bruce W. Wachholz, EV-30

cc: W. Bair, PNL W. Robison, LLNL R. Ray, NVOO



Department of Energy Washington, D.C. 20585

May 15, 1979

Honorable James A. Joseph Under Secretary of the Interior Washington, D. C. 20240

Dear Mr. Joseph:

I am pleased to reply to your letter of April 12, 1979, regarding the possible return of the Bikini people to Eneu Island.

This response will address both of the issues you raise:

- 1. Your understanding of previous statements by my staff.
- More detailed information on estimated dose assessments for people living on Eneu Island, including various assumed living and eating patterns.

With respect to the first point, your understandings are, in general, correct. The more detailed information addressing the second point is included as an enclosure to this letter.

If the guidance of the Federal Radiation Council (FRC) (500 mrem/yr to individuals, and 170 mrem/yr and 5000 mrem/30 yrs to a population) is to be complied with, the people could return to Eneu only if it is assured that adequate imported food would be available to and used by the people for approximately 20 years, that food grown on Bikini Island is not a part of the diet, that residence is restricted to Eneu Island, and that visitation to Bikini Island is effectively controlled.

Since the FRC guides were originally formulated, an Environmental Impact Statement (EIS) was prepared for the resettlement of Enewetak Atoll. In the EIS, recommended criteria which are one-half of the FRC guidance for individuals and 80 percent of the 30-year FRC guidance for populations were proposed for evaluating land use options for use in planning the cleanup and rehabilitation of Enewetak Atoll. These criteria were recommended because of uncertainties in estimating future doses to the people at Enewetak Atoll. However, following the return of people to the Islands, direct radiation exposure measurements would

Honorable James A. Joseph

be available and compared with the full FRC guidance of 500 mrem/yr to individuals and 5000 mrem/30 yrs to the population. These criteria for Enewetak were reviewed by interested Government agencies; no objections to these criteria were raised. One of the reviewing agencies, the Environmental Protection Agency (EPA), found the criteria acceptable, but considered them to be "... upper limits ..." and that "... any proposed guideline or numerical values for the uose limits are only preliminary guidance and that a cost-benefit analysis must be undertaken to determine whether the projected doses are really as low as readily achievable and practical before proceeding with the relocation project. On the basis of such analysis it may be prudent to lower dose guidelines for this operation."

The degree of uncertainty in estimating doses on Eneu Island is similar to that for Enewetak Atoll. Assuming, therefore, that Enewetak criteria are applicable to other similar situations in the northern Marshall Islands, the dose estimates for return of the Bikini people to Eneu Island would be compared to the Enewetak criteria as described above rather than to the FRC guidance. When this is done, it is found that even with imported food the radiation doses to the people on Eneu would not be expected to be in compliance with the Enewetak criteria for about 20-25 years.

Several basic combinations of residence and food constraints are discussed in the enclosed, and are illustrated and summarized in the attachments to the enclosed. Other considerations also are addressed. If any further refinement of the data changes these estimates in a significant way, we will immediately inform you.

We trust that this is helpful to you in resolving the issue of the acceptability of Eneu Island as a residence island.

Sincerely,

TEG There a. Ruth C. Cluser

Assistant Secretary for Environment

Enclosure

cc: Dr. William Mills, EPA

there is an immediate danger, then we can pause until the radiological surveys reveal whether the move to Encu can be made or whether we have to move to a less attractive site.

As we informally advised the committee staff last week, the results of the very recent tests of the body burdens of the people living on Bikini Island show a significant increase in such burdens. While it may be arguable whether the test results show "an immediate danger," we in the Department of the Interior are satisfied that the people should be moved from Bikini Island as soon as it is possible to do so.

We have asked the representatives of the Department of Energy to discuss with you the radiological situation on Bikini and its implications for the people on Bikini Island, and they will do so in a moment. Then the High Commissioner and I want to discuss with you our plans for the move of the people from Bikini Island.

NEED TO RECAST BIKINI REHABILITATION PLANS

I must tell you now, however, that we have suddenly been required to recast our preliminary plans in a very major way. The committee will recall that when we testified before you a month ago, we anticipated, on the basis of the best information then available to us from the Department of Energy, that if it were necessary to move the people of Bikini Island to an alternative, safe site, we could expect that the nearby island of Eneu would be available for that purpose.

Last Thursday we learned that tests of a limited sample of foodstuffs growing on Eneu showed an uptake of radionuclides much in excess of those predicted on the basis of the known cesium and strontium content of the soil. Accordingly, we have concluded that we must eliminate Eneu as an alternative site, and we have thus revised sabstantially the plans for temporary settlement. We will outline those plans to you after the Energy Department discussion of the radioactivity situation on Bikini and Eneu.

To assist us in our discusion of our relocation plans, there are present with me this morning, in addition to High Commissioner Winkel, his District Administrator for the Marshall Islands District, Oscar we coconnts. They ey were drinking

SIDENTS

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Is there anything else contaminated that they eat besides coconuts? Mr. O. D. BRI M. Pandanus and other local subsistence crops. Mr. YATES, Are those infected too?

Mr. O. DEBRUM. We are told they are infected also.

Mr. YATES, All right, go ahead, Mr. Deal.

Mr. DEML. The last slide, you asked us to tell you the status of what we knew of Eneu Island.

Mr. YATES. We would like to know what the status of Bikini is as well.

[The charts follow:]

MEASURED RADIATION DOSE-BIKINI ISLANDERS

[REM per year]

	1974	1977	1978
External	0. 290 . 003 to . 067	0. 200 . 088 to . 538	D. 200 . 070 to . 980
Tatal.	. 203 to . 267	. 288 10 . 738	. 270 to 1. 180

Note: Federal standard for individuals equals 0.5 REM per year.

STATUS-ENUE ISLANDS

External radiation: 12 rem/year.

Coconnt (16 trees) : Cs measurements 5 to 6 times previous estimates.

Other food crops: Samples now being analyzed.

Six water wells: 3 not potable (high salt): 3 may be potable but; radiation measurements may exceed EPA standards.

Mr. YATES, Have you decided that from now on you are not going to permit people to live on Bikini any more? Obviously they can't live there if they are going to continue to be infected, right?

Mr. DEAL, Right, ves. sir.

Mr. YATES, So as far as you know, Bikini Island is through as an area for living.

Mr. DEM., Yes, sir, probably until we get another 30 years. The half life of cesium is 30 years, so at the end of 30 years there would be onehalf the amount of cesium remaining. For every 30-year period thereafter, the cesium decays to one-half its value.

BASIS OF 1968 DECISION ON BIRINI

Mr. YATES, Why were people allowed to go back there in 1972? Who made that decision?

MIS, VAN CLEVE, Mr. Chairman.

Mr. YATES, Your friend in Interior?

Go ahead, please, Mrs. Van Cleve.

Mrs. VAN CLEVE. The President of the United States made the decision in August 1968.

Mr. YATES, Acting upon whose advice?

Mrs. VAN CLANE He announced that the people of Bikini could return on the basis of advice received from experts hired by the Atomic Energy Commission who said that Bikini was safe for human habitation.

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STATEMENT OF HIGH COMMISSIONER ADRIAN P. WINKEL BEFORE THE INTERIOR AND RELATED AGENCIES SUBCOMMITTEE, COMMITTEE ON AFPROPRIATIONS, HOUSE OF REPRESENTATIVES, CONCERNING RESETTLEMENT OF THE PEOPLE OF BIKINI, MAY 22, 1978

Mr. Chairman, Members of the Committee:

The preceding statements of Mrs. Van Cleve and the presentation of the Department of Energy clearly demonstrate the dilemma we face in dealing with the immediate and longerrange futures of the people now living on Bikini Island.

Until last week, it had been a reasonable presumption based on predictions by the Department of Energy that Eneu in the Bikini Atoll would be a satisfactory place to which the Bikini people could be moved in the immediate short-run period and that it would also serve as a permanent location for the bulk of the larger group still on Kili.

We now know that this is not the case.

We thus have the necessity of a temporary move to a location that most likely will not be the permanent home for i these people.

At this point let me say that there are no uninhabited islands or atolls on which these people might make a permanent settlement. Uninhabited islands in the Marshalls are uninhabited because they are incapable of sustaining human life to any extent, particularly the numbers of people we are talking about.

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going to say any-

ank you for com-

mr statement and record.

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STATEMENT OF HIGH COMMISSIONER ADRIAN P. WINKEL BEFORE THE INTERIOR AND RELATED AGENCIES SUBCOMMITTEE, COMMITTEE ON APPROPRIATIONS, HOUSE OF REPRESENTATIVES, CONCERNING RESETTLEMENT OF THE PEOPLE OF BIKINI, JUNE 10, 1978

Mr. Chairman, Members of the Committee:

Subsequently, on Monday, June 5, a meeting was held with the people of Kili Island for the same purposes, with about 100 people in attendance.

In the opening remarks at Bikini I explained to the people that I was there to inform them it was necessary that they move from Bikini Island, that Eneu Island also was not considered safe enough to allow their living on it at this time, and that four relocation sites were suggested for their consideration and decision.

At the second meeting on Friday, June 2, various spokesmen outlined the preferences of the people as follows:

 Stay on Bikini Island until further information is available about Eneu food and its levels of radioactivity. The people reasoned that they would have to

A 10 Tuesday, May 23, 1078 THE WASHINGTON FOST

likinians Must Quit Island for at Least じ 0) Years, Hill Told

rause of radiation remaining from a 1954 U.S. hydrogen bomb test, a House Appropriations subcommittee Fas told yesterday. home atoll within three months and not return for at least 30 years bekint Island will have to leave their The 139 Marshallese living on Bi-

mittee waa told, because Eneu's coco-nuts were showing radioactivity read-in::; five to six times higher than gov-ertiment scientists had previously ex-Bikini Island to Eneu, another Island in the stoll, was dropped, the subcom-An earlier plan to move them from

firials said yexterday, they could not my where the Bikini residents would eventually end up As a result, Interior Department of

The people now living on Bikini wre the first ones to return after a 1960 determination by the Alomic En-cruy Commission that the Atolic En-sole from radiation contamination. From 1946 through 1968 it had been

the site of 23 U.S. nuclear weapons

Subcommittee Chairman Sidney Yates (D III.) asked witnesses from the Departments of Interior and Energy, why were these people allowed to go

"There was no bint in 1969 that here would be a problem with coch-uls, veuetables and water," he was old by Ruth G. Van Cleve, director

Joe Deal, of Energy's safety branch Id. "There were no coconuts to test villes Interior's Office of Territorial Ac-

foodstuff growing

the subcommittee that the 139 men, women and children who have been standard for the general population. showed the Bikini residents had taken radioactive resum into their hodies at levels up to twice the accepted U.S. how last month's medical examination Dr. Walter Wyzen, also of DOP, told Deal outlined to the subcommittee

living on Bikini for the past several years and eating its radioactive coro-buts and other foods would have to undergo medical examinations for the next year and perhaps the rest of Active matter they have invested, It was the finding of high concentheir lives to keep track of the radio

trations of radinarity community of the bodies of the Bikhni resitents last convinced interfor offi-class the people had to be moved. Van Cirve told the subcommittee

that although "the tests [last month] do not reveal an Immediate clanger"

the more from the shull should be made within 90 days - the time needed to pick a temporary place to live and build plywood homes there with alu-

minum roofs. Afrian P. Winkel, hich commis-sioner of the U.S. Trust Territory told the subcommittee he would fly to Bikini next week and tell the resi-dents "the need for the move and determine their preferences for a place

At that point, Rep. Frank Evans (D. Colo) raised the question of what would be done if they did not want to

Jeave Pikini. "We have no choice but to require Chem to move," Winkel respondel.

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ever, that it might be difficult to make The high commissioner added, how-

ple now living on the island. Rroups (hat make up most of the peo-

were not sure Winkel could convince

still might prefer to remain. the older people move because they

major pieces of land on Bikini Island are patriarchs of the two family Two aging Marshallese who own

Marshall Islanders who attended yesterday's subcommittee meeting

Histrative of the problem was the exchange that took place when a question was asked why the people on Bi-

water from outside the island. and supplied with other food and had been warned they were dangerous kini kept eating coconuts after they

ernment said. "Coconuts are treasured by the people. They would drink coco-nut milk even in the face of the warnsentative of the Trust Territory gov-Oscar DeBrum, the district repre-

ahip. "Either move the people or cut DeBrum then noted that when the medical team arrived last month on Bikini, the people offered them the ra-dinactive coconuts as a sign of friend.

gested. down the coconut trees," DeBrum sug

matchy 400 former Bikinl people who now live on Kili Island told the sub-Representatives of the approxi-

It was questioning by the Kili group about the safety of Bikini four years ago that first raised the possibility that dangerous radiation levels might still exist on the Island. At the time, U.S. officials were precommittee "we see ourselves as the victimis of bureaucratio incompe-

paring to return the entire group to

The Kill spokesman, Tomaki Juda, remnited the subcommittee that in 1946, a Navy officer told the Bikiniang they had to leave their atolt so "it could be used for the good of man-kind and to end all world wars."

The officer compared the Bikinians

Lord saved from their enemy and led "We are," Juda said, "sadly more akin to the Children of Israel when they left Egypt and wandered through the disert for 40 years. We left Bikini, and have wandered through the ocean for 32 years and we will never return.

to our Promised Land."

STATESCUT OF UNDERSTANDING

ON THE PART OF THE

GOVERNMENT OF THE UNITED STATES

AND THE COVERNMENT OF THE TRUST TERRITORY OF THE PACIFIC ISLANDS.

CONCERNING THE

MOVE OF THE PEOPLE OF BIKINI ISLAND, AUGUST, 1978

1. On August 11, 1978, the Undersecretary of the Department of the Interior, James A. Joseph, the Deputy Undersecretary, Wallace Green, and 2. ۲. the Director of the Office of Territorial Affairs, Ruth G. Van Cleve, journeyed to Bikini Island to meet with its current residents. The purpose of their meeting was to convey information on the subject of the forthcoming move by the people of Bikini Island to Kili Island, and to respond to ques-- - tions and hear concerns put to them by the people of Bikini Island. They had carlier, on August 7, held a similar meeting with former residents of Bikini who now reside on Kili. The High Commissioner of the Trust Territory э. of the Pacific Islands, Adrian P. Winkel, had been prevented by bad weather ۱. in Saipan from joining in the visit to Bikini Island, but he had earlier met with the people of Bikini, as well as with other Bikinians on Kili.

3.

In 1946, the people of Bikini were removed from their atoll by the
U. S. Navy in order to enable the United States to use the atoll for a
nuclear testing program which lasted until 1958. The islanders were moved
first to Rongerik, then to Kwajalein, and ultimately to Kili. In the late
1960's, it appeared that levels of radiation on Bikini atoll were such that
the people could return to and use a number of the major islands of the atoll.
Beginning in 1969, a clean-up of the atoll and a rehabilitation program was
begun. In the early 1970's, some Bikini people were employed in the project
and the Bikini Island population increased to approximately 165 in 1978. In
1977, the intake of radionuclides by the people living on Bikini Island had increased to alarming proportions, and a major feeding program was instituted. April, 1978 surveys showed that the feeding program had not resulted

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9. Among the requests of the people of both Bikini and Kili was a
10. request for a statement in writing of the understandings that the repre11. sentatives of the United States conveyed during those meetings and of the
12. commitments that those representatives were willing to make. The follow13. ing are intended to respond to the principal concerns then and there
14. expressed.*

16. Mr. Joseph and Mrs. Van Cleve, on behalf of the Government of the
17. United States, and Mr. Winkel, on behalf of the Government of the Trust
18. Territory, offered the following assurances:

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15.

I. The Government of the United States considers itself generally
 responsible for the well being of the Bikini people and their descendents
 and, following consultation with them, the Government of the United States
 will seek to arrange their relocation, permanently, in the most satisfactory
 manner possible. The Department of the Interior will undertake to obtain
 such authority and such resources as may be required in order to meet and

FOR August 14, 1978, soon after the Bikini and Kili moethers, the four officers referred to above were involved in a major airplane accident off the coast of Guam. Although they were among the survivors, their notes taken at the meetings sunk with the airplane. This statement, drafted by Mrs. Van Cleve on August 15 at the Guam Naval Hospital is intended to be as full as recollections permit, but in the circumstances it may not be complete.

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discharge this responsibility. The Department of the Interior will call upon
other agencies of the United States Government to assist it, particularly the
Bepartment of Energy, so as to assure that, among other things, the medical
needs of the current residents of Bikini Island continue to be the.

II. Because Kili Island has, until recent weeks, been regarded as 6. solely a temporary relocation site for the people of Bikini, the Governments 7. 8. have never undertaken to construct permanent facilities there, nor to improve significantly any of the existing Kili facilities. It is now known that 9. Bikini Island will not be fit for human habitation for decades to come, and 10. on the basis of the most recent scientific information, it appears that Eneu · 11. Island, in the Bikini Atoll, will also be unavailable for settlement. In 12. the circumstances, the Governments understand that some of the Bikini people 13. will choose to remain on Kili indefinitely, and the Governments will accord-14. ingly undertake a program for the permanent rehabilitation of Kili. - 15. 16.

17. III. It is not yet possible to develop a permanent relocation plan 18. for the people of Bikini. That plan must await completion of the acrial/ radiological survey that is now underway, and that is expected to be com-19. 20. pleted no later than the early weeks of 1979. When those survey results are available and evaluated, and when any remaining scientific tests found 21. necessary are also completed, all of which developments are expected to 22. 23. occur in the first months of 1979, it will be possible to identify safe 24. relocation sites. The Governments will then, following full consultation with the people of Kili (including the current residents of Bikini Island 25. 26. who will by then have relocated there), plan in detail for the relocation 27. of such Kill residents as choose to move elsewhere, affording to them a 28. choice among the possible relocation sites. Those who choose to remain on 29. Kili will be accommodated there.

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LOS ANGELES TIMES July 23, 1978

See page 5 re Eren

U.S. ERRED Bikini Island: Lost Again to Radiation

When the atomic bomb dropped, I when the atomic borns grapped, it hought Bikins would disapper com-pletly. It would have been better, maybe, if it had... Then we would-s't have all these troubles. —Nothes Note, scribe of the Bikini prople, 1373

BY JERRY BELCHER

BIKINI, Marshail Islands-When

BIKINI, Marshall Islands--When the Americans made him leave Bikini for the first time. in 1946, Andrew Jakeo was 34 years old. When, after using the fragile Paci-fic atoll for 23 nuclear test blasts, the Americans in the person of President Lyndon B. Johnson assured him, his follow islanders and the rest of the fellow islanders and the rest of the world that Bikini once again was safe for human life, Andrew Jakco was 56.

Now Andrew Jakeo is 65 and, above all else, he wants to live out the days that remain to him on this tury curve of coral, sand and occonut palms with his family and friends.

Then, when his time comes, he wants to be buried here among his ancestors. But the old man will not be permit-

Ancessors. But the old man will not be permit-ted to end his days where he wishes. For one day next month-federal officials gay about Aug. 22, although official pians dealing with this place and these people seem to go awry more often than not-the Americans will remove Andrew Jakeo and the 140 others hving on 449-acre Bikim Island, largest of the 26 islets that make up Bikim Atoll. They will be transported to "tem-porary" quarters in Kill, a single is-land with a land area one-sikth that of ther 22-sequare-mile home atoll. Kill, without a lagoon, lies nearly 500 miles southeast. It is an island some Bikimans habitually refer to as "the prison."

prison."

The Bikinians must leave their an-cestral home and its beautiful, lish-leening lagoon because the Ameri-cans, as they themselves now admit, made a regrettable error 10 years aco-Despite what the scientists and the President said-despite an invest-ment of \$3.25 million for cleanup and rebuilding-Bikini is not safe after ali.

Andrew Jakeo and the others living Andrew Jakeo and the biners living on Bikin Island are being subjected to unacceptably high doses of radiation left behind by atomic and hydrogen bomb blasts that scared the atoli dur-ing 12 years of testing.

Some younger Bikmans may live to see their homeland again, but An-drew Jakco will not. It may be 50 years before Bikm is fit for human habitation.

Andrew Jakeo is bitter and angry.

Andrew Jakeo is bitter and angry, although like most Marshallese he veils his emotions from outsiders. "The Americans told us in 1046 that they had come to test a bomb." he said not long ago. "They told us they did not know how much the bomb would hurt Bikim. They told us that after they tested the bomb and that after they tested the bomb, and Bikini is good again, they will bring is back. They did not say how long it would be."

But Andrew-Marshallese address one another by first names and expect one another by first names and expect outsiders to do the same-believed, along with the 165 others the U.S. Navy removed in 1946, that they would be back within a year or so. Meantime, he was convinced, the American's word browshe for him and

the other people of Lidena Please Turn to Page 3, Col. I.

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Bikini Islanders Lose Again to Radiation

Continued from First Page

Andrew finally came back about eight years ago. He was among the first to return. It was 24 years after the Navy had taken him away, two years after President Johnson's an-bouncement that Bikini was safe.

From the front porch of his con-crete block house overlooking Bikini lagoon, the old man recalled the long years between departure and the prime was near starvation, much prime shuttling from on ars between departure and return vation. There was shuttling from one alien island to another and another and yet another. There was scattering of family and friends, dislocation, nearly total disruption of a hitherto gunet, untroubled way of life.

"Maybe there were some times when I was not uphappy," he admit-ted, "But . . . every day I remem-bered Bikini. And every day I wanted to come back because it is my homeland, because Bikini is a beautiful place

He was quiet, deferentially polite. But at last, in reply to the stranger's uestion. Andrew dropped the emo-tuonal vei slightly. How, the stranger asked, will he

react when he leaves Bikun once again and forever? "I will weep," he said. "I will feel . anger. . . I will not go. I will sit

'You'd have to say the removal was the right of the conqueror.

here. They will have to carry me away."

He said he also believed some of the others would do the same as he,

Feel the same as he. - And how, after all that had hap-pened to hum and his people since 1946, did he feel now about the Americans?

The old man laughed, perhaps em-barrassed by the question and by the fact that the questioner was an

American. Then he leaned close staring through thick green-linted glasses that made hus dark eyes seem enormous.

""The American is a liar-man," he haid. "His promise is not kept."

The first American promise to the The first American promise to the Bikini people was made by the U.S. Navy after President Harry S Tru-man had, on Jan. 10, 1946, at the rec-ommendation of the Joint Chiefs of Staff, given the go-shead for Opera-tion Crossroads, the first post-World Wey I/ the of successful const-World War II test of nuclear weapons. In simplest terms, the promise went

something like this: We have decided to use your atoll to test a powerful new weapon. For your own safety, you will be moved to another place. We will take care of you there. When we're through using your atoll, we will bring you back.

will bring you back. Few now question that the Navy had the legal right to appropriate Bi-kinn kolli for military purposes. Bikinn is part of the Marshall Is-lands, which is part of Micronena, which in turn was catablished as a U.N. Trust Territory under U.S. ad-ministration by terms of the U.N.

Charter of 1945.

Specifically, it was designated a "strategic trust," which permitted the United States to set aside certain areas of the former Japanese mandate territory for military security pur-

Bernord a logical choice geographically, too. The idea of Oper-ation Crossroads was to see what the atomic bomb would do to a navai fleet. The three A-bombs of World Warl II had been explicited in the New Marrier dissert and over the Japanese Mexico desert and over the Japanese cities of Hiroshima and Naguraki

cuties of Hiroshima and Naguzaki Other sites were considered. But according to Crossroads historian Neal Ilines. "Bikim fulfilled all the conditions of climate and isolation. It was... 2500 miles west southwest of Honolulu... but it also was ac-cessible.... Its inhabitants, who then numbered 162, could be moved to another atoll." (Most other sources say the popu-lation them was 166 Suice them there

lation then was 166. Since then there has been a population explosion, To-day 860 persons claim land rights in Bikini Atoll-140 now living on Bikini Island, 450 on Kili, and the others scattered throughout the Marshalls.)

There was concern on the part of the U.S. fishing industry that the test blasts might hurt the rich commercial fishing grounds. There also were so many complaints from animal lovers that plans to use dogs as test animals canceled. But there is no recwer orded protest against removing the Bikimians from their ancestral homeland.

"In retrospect . . . you'd have to say the removal was the 'nght of the conqueror,'" said Jim Winn, a trans-planted Kansan who is distinct attorney of the Pacific Trust Territory's Marshall Islands District.

"Our attitude must have been that "Our attitude must have been that we, at the cost of several thousand American lives, took the Marshalls ... took this whole area of the Paci-fic from the Japanese. Ard ... part of it was the attitude, "Well, they (the Bikmans) are just little brown people anyway. They don't need their atoli. We'll just move 'cm off someplace

Certainly the Bikinians were in no position to scriously oppose the Navy when, on Fcb. 10, 1946. Commodore Bon Wyait, then the military gover-nor, arrived by scapiane and an-nounced that they must go eisewhere. In effect, the islanders then and there adopted the United States as their iroij dip-their paramount chief, the power over and beyond their local island chief, Juda. And, in Marshallese traduon, this meant that henceforward the United States was responsible for the protection and well-being of the Bikini people. Although to American eyes the atolis of the Marshalls look much the

same, the removal was deeply painful and culturally destructive to the Bikinians.

For, as many anthropologists have observed, there is among Micronesian peoples a profound, mystical attach-ment to the particular, tiny piols of land owned by their families or clans.

Anthropologist Robert Kiste, au-nor of "The Bikimans: A Study in thor of ther of "The Bikinians: a alway in Forest Migration," said in an inter-view that the relationship between a

Please Turn to Page 8. Col. 1



'HOT BREW'-Jeladrick Jakeo checks sap from coconut palm. He lets it ferment into jakauru, a midly alconolic drink. While coconuts are forbidden, Jakeo says no one has ever banned jakauru.

(2)

Islands Lost Again to Radiation

Continued from Third Page man and his land overrides the concept of nationality.

cept of nationality. "To say, "I'm Marshallese," that is a foreign concept." Kiste said. "West-emors named those islands the Mar-ahalis. So "Marshallese" has less meaning than "I'm Bikinian." And among themselves, they speak not of being Bikinians, but say, 'I'm a person of *bus* particular piece of land' Land is an expression of who I am—of indi-modul Memitty." vidual identity."

Or. as fellow anthropologist Jack. Tobin. another academic expert with long experience in the Marshalla, exned it.

pressed it. "In those islands, a man without land is no man."

land is no man." By a split vote of the atol's leaders, the Bikinians close to go to Rongenk Atoll. 123 miles east of their home atoll. The Navy, which put out press releases at the time indicating that "the natures were delighted" by the move, was only slightly more re-stranced a year later in its official his-tory of Crossroads, "Bombs at Bikini." "The Bikinians, convinced that the

(A-bomb) tests would be a contribuuon to world peace, indicated their willingness to evacuate," the Navy historian wrote.

It wasn't quite that way, according to Tobin, emeritus professor of a thropology at University of Hawaii. of an

They did not go wilingly." Tobin said. "They were forced to go.... They agreed because they had to, just as they had agreed to do things when the Japanese had bayonets in the background.

"Put yourself in their shoes: You've "Put yourself in their shoes: You we been toil what to do by the Japanese for a quarter-century... and told by the Japanese military the Americans were weak. So when the Americans wiped out the Japanese... all those American ships appearing the natur-al reaction . . . would be to go along with what they are told."

On the afternoon of March 7, 1946. the 166 men, women and children of Bikini were loaded aboard Navy LST 1108. As the awkward landing craft backed off the beach at Bikini island

and churned out of the blue-green ia goon, the people gathered on the main deck to sing traditional songs of farewell. The next morning they were

fareweil. The next morning they were unloaded at Rongenk. On the morning of July 1, a D-29 bomber called Dave's Dream dropped a "nominal yield" 20-kiloton (the equivalent of 20,000 tons of TNT) atomic bomb over the ficet of 70 ob-solete U.S. and captured Japanese and German warships moored just off Bi-German warships moored just off Bi-kini Island. It exploded 500 feet above the fleet, sinking five ships, twisting and crushing others like cheap toys and initiating the radiation poisoning of Bikini.

Among the 42,000 observers of the awesome blast was Chief Juda, watching as a guest of the Navy from the deck of the amphibious command

They thought they

could bear up under the hardships of Rongerik.

ship Mt. McKinley, several miles away. The Navy used more than 10,-000 instruments to record test data.

Chief Juda's reaction was not re-corded. The next day he rejoined his people at Rongerik.

Rongenik was a disaster. It was too small. There was too hitle food. And, according to legend, it was haunted by an evil witch named Liborka. who poisoned the fish of the lagoon. In fact, certain fish of the lagoon were poisonous which was why Rongenik had been uninhabited for years. But it was close to Bikini and the people had choorn it for that master Rongerik was a disaster. It was too

people had chosen it for that reason. They thought they could bear up under the hardships until they went back to their home atoll. That, they were convinced, would be in a couple of years at most. Chief Juda had returned from the

first homb test (the second, an underwater shot, was held July 25, 1946) to tell his people that while there had been great damage to the ships, there

seemed to be little to Bikini itself. The trees were still standing, still bearing coconuts. But the radiation invisible not something he could under ₩a\$ stand.

Scana Severe food shortages developed during the winter of 1946-47. In spring of 1947, fire destroyed a third of Rongerik's ecconut trees. The peo-ple pressed for a return to Bikini, but a radiological survey indicated that it was too "hot" for permanent occu-pancy and would be for many years.

In October, the Navy announced that the Bikinians would be relocated on Ujelang. But two months later, the Pentagon announced a new series of Pentagon announced a new series of nuclear tests would be held, this time at Eniwetok, another atoll in the Marshalls. The Eniwetok people would go to Ujelang instead of the Bi-kinians. The Bikinians had to wait.

Andrew Jakco remembered the Rongenk period well. "I was a big man then." he said. "but I got skin-ny." He held up the ittle finger of his enough food, (sometimes) got our food by cutting open the coconut tree and eaung the heart of the tree. This killed the tree."

Jeladrik Jakeo, Andrew's 48-yearold brother, was a teen ager on Ron-gerik. "It was termble," he remem-bered. "We ate things that were not good, gathered coconuts that floated in from the sca. Bad food, we got sick. Arms and logs swelled up, and we got blisters on the arms and we had diarrhea."

Late in January, 1948, the Navy dispatched anthropologist Leonard Mason, now of the University of Hawail, to investigate. He found the ex-iles at the point of starvation, living on raw flour diluted with water.

recom-In strong terms. Mason recom-mended that the people be removed from Rongerik as soon as possible. He also recommended Kili Island, although he admitted it had many disadvantages, as the best av place to relocate the Bikinians. available

In March, 1948, they were moved to

ioni camp at Kwajalein. In September, the Binnians volet in september, the Binnians volet to resettle on Kill, and in November, they were fi-nally settled on Kill and began buld-ing a new and bigger village than they had had on Bikini.

Kili was without question better than Rongerik. But it also was small and, worse yet, it had no lagoon. The island was constantly pounded by the Pacific. Fishing was far more difficult than at Bikini. Supply shine could Inan at Bokint. Supply shipe could neither land food nor take away copra -dried coconut, the only cash crop-for months at a time because of the heavy surf. Sometimes six months passed before a ship could unload.

In an attempt to relieve the isolation. the Navy turned over a 40-foot power whaleboat to the Bikinians. It sank in high seas in 1951.

In the same year, the Navy turned over administration of Micronesia-

and the problems of the Bikinians-to the civilians. A high commissioner was appointed by the President to work with and through the U.S. De-partment of the Interior.

Matters did not improve right away. But under pressure from the United Nations, the high commissioner pushed a community development plan to improve agriculture on Kili In addition, the Trust Territory

turned over a copra trade bost to pro-Please Turn to Page 9. Col. 1

1....

Bikini Islanders Lose Out Again

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vide a transportation link to Jaiuit Atal, where a colony of Bikinians had been established as part of the com-munity development project. At first the scheme prospered, morale im-proved and some thought the Bikini-ans might learn to adjust to Kili.

Then, late in 1957, and early the next year, typhoons sank the copra boat, destroyed the new agricultural projects and wrecked the Jaiut colo-

After that, according to Tobin, the eart seemed to go out of the exiles.

On March 1, 1954, test shot Bravo, an H-bomb 750 times more powerful than the first atomic bomb, was ex-

ploded at Bikini with tragic results. An unpredicted wind shift after the blast had sent the 20-mile-high cloud of radioactive particles drifting in the wrong direction, across Bikini Island and beyond. The plume stretched 240 miles long and 40 miles wide, over an area far outside the restricted danger 20.04

Rongelap, Rongerik and Utirik tolis, all inhabited by Marshallese atolis, all inhabited by Marshallese and U.S. military personnel, were in the path of the failout, which in some places fluttered down like anowflakes. places nuttered down like anownaxes. Twenty-eight Americans, 244 Mar-shalless and—although it was not known until sometime later—23 crewmen of the Japanese fishing boat Pukuryu Maru (Lucky Dragon) were sensusly irradiated. One crewman died of complications. The rest spont a year in hospitals. The Americans and the Marshal-

less, evacuated and treated in milita-ry hospitals almost immediately, did not seem at the time to have suffered permanent harm. No one seems to know what happened to the Americans. But over the years, 47 of the Marshallese have developed thyroid abnormalities, seven of them diagn-oned as cancerous. Thirty-five have had their thyroids removed. One has died of leukemia, another of cancer of the stomach, believed to have been caused by the Bravo failout.

Bikini Island, although unoccupied, was intensely irradiated, a fact which would have consequences which will be felt for generations. The Bravo disaster and the world-

wide publicity given to it played a part in the eventual suspension of nu-clear testing in 1958-the year of the 23rd and final shot at Bikini-and in the nuclear test-ban treaty of 1963. which ended atmospheric testing by the United States, Britain and the So-With the end of lesting, pressure With the end of lesting, pressure

mounted to return the engles to Bikini. mounted to return the exclusion is skinh. William Norwood, now living in re-tirement in Hawaii, served as high commissioner of the Trust Territory from 1966 to 1963. In a recent interview with The Times, he said, "We had, of course.

The experts warned that the coconut crabs should not be eaten.

been under pressure from the Bikini people themselves to get them off of Kill. They were constantly asking to be put on some other island. They hoped first and foremost for Bikini. hoped first and foremost for Eikini, ... I remember being introduced to Chief Juda, who very emotionally and persuasively, and almost tearfully, pleaded with me to either get them back to Bikini or, failing that, to get them a better place than Kill." Norwood said that about the same time a representative of the Atomic Energy Commission-and does not re-

Energy Commission-he does not recall his name-told him that monitor-ing of Bikim's radiation levels indicated it might now be safe once again for permanent reoccupation. In May, 1967, some time after a for-

mai request by Secretary of the in-

radiation levels in the interior of the island were too high to permit people to build and live in homes there

"We didn't really find any surprises in that external radiation field," said Tommy McCraw, who had been in-volved in both the 1967 and the 1975 Rarveys.

However, at the same time, it was determined for the first time that locully grown breadfruit and pandanus -two popular items of diet-were too radioactive to be safely consumed over the long term. Coconuts, even ------

The internal dose had risen dramatically be-tween 1974 and 1977.

ant tratt any same of there are safe to de more of a staple in the local diet, were reported to be safe.

Then last summer, a Lawrence Livermore Laboratory study done for the Energy Research and Develop-ment Agency, an AEC successor agency, found that well water on Bikini exceeded federal standards for radioactive strontium 90.

Other levels of radiation on the island were so high, according to the report, that there was little margin for safe absorption of any additional

doses from the food chain. But, at the same time, ERDA en-vironmental safety official Roger Ray

terior Stewart Udall, the AEC sent a team of technologists to make an inatoll

On Aug. 12, 1968. President Johnson announced that Bikim was safe, that it would be rehabilitated and resettled "with all possible dispatch."

Glenn T. Seaborg. AEC chairman, explained that the President's final decision had been based on the rec-ommendation of "eight of the most highly qualified experts available" afhighly qualitied experts available "ci-ter studying the 1967 survey results and unammously concluding that Bi-kini Island and Encu Island, 10 miles away, were radiologically safe enough to allow reestablishment of the Bikinians there.

The experis-all either AEC em-ployes or employes of AEC contrac-tors -warned that the coconut crabs should not be eaten because of their high content of strontium 90. There were no warnings about any other lo-cal foods. They recommended that radiological checks be made periodi-cally to determine how much radiation the people were being exposed to from external environmental sources and from their diet.

Chief Juda did not live to hear the news. He had did-shortly before the Johnson announcement-of can-cer, which he believed had been caused by his exposure to the first A-bomb test in 1946, a claim scientists are inclined to discount.

Ironically, especially in view of what was to be learned 10 years later. several Rikinians expressed suspicion about the food growing on the conta-minated atoil during a tour of the is-lands a few weeks after the Johnson announcement. One of the Bikinians, named Jibaj,

even refused to touch food from the

atoli, insistung it was poisonous. Another, Laijo, made 1 forecast that, from the perspective of 1978, seems far more acute and accurate than the predictions of any of the U.S. bureaucrats or scientists. "It will take

their atoll. By fail, though, there no longer was any question: Ray told a meeting of the Bikini-Kili Council in Marsro that Bikini Island "about on longer be considered a permanent settle-ment" and advised that considerauon,

be given to moving the settlement to

It seemed the scientists had now determined that the Bikimans were

absorbing radiation at a rate substan-

absorbing radiation at a rate substan-tially above the federal safety stan-tially above the federal safety stan-ment of radiation dosage of any kind producing biological effects in main. According to the Department of Energy (successor to ERDA) the ex-ternal dose on Bikun Island in 1977 and the time account 1974 Bit the

ternal dose on Biku Island in 1977 was 2, the same as in 1974. But the internal dose, mesured by an m-strument called the whole body coun-ter, had nach dramaucally in three years-from a top reading of LOST in 1974 to a top of 533 in 1977. And the coconut was named as the radioactive "villain," since it was the only locally grown food then being consumed in any quantity. As one scientist put it, the coconut paims were "scopping up" radioactive cosum 1977 and stronuum 90 at a much greater rate than anyone predicted Please Turn to Page 10, Col. 1

their atoil.

100 years before the islands are back in shape again." Tobin reported him as saying.".... The islands are com-pletely runned now."

Still, despite their algorithms and the obvious normity of the job, the Bikinians on the tour apparently were convinced by the officials and scien-tists that at least the islands of Bikini and Encu, 10 miles away, could be made luvable.

The Bikinans reported the condi-tions they had seen and the plans that were being made for rehabilitation to their fellow signaters on Kik. Only two or three of the 300 then living there voted against the idea of an eventual return to Bikini.

The cleanup began in February, 1969, using some Bikinians on the work crew. The rest of the reabilita-tion project-piowing up Bikini and Eneu Islanda, replanting them with food crops, began later the same year. A few families began moving back to. Bikini

Billin. By 1974, the \$325,000 cleanup and the \$3 million renabilitation program was through its first phase. Forty of the planned 80 homes had been erecteđ.

Then, as planning for the second phase was beginning, the Bikimians said they wanted to locate some of the new surrictures in the interior of the island

The following year, another AEC radiological survey was made, this time in more detail. It was found that

. . .

Still, despite their suspicions and

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L.A. Times 7/23/78

Bikini Islanders Lose Again to Radiation

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High doses of radiation from these isotopes are known to cause various types of cancer in man, but scientists debate the cancer risk from relatively low doses such as those to which the Bihmians have been exposed. In general, scien-tists have found that the lower the dose, the lower the risk that cancer will develop over a period of years

The people living on Bikini were ordered either to eat no coconuis or to ration themselves to one a day. But they were told the coconuis from Eneu were still safe.

The Trust Territory government initiated a feeding program. Except for fish and fowl, the people were to eat nothing but U.S. Department.

of Agriculture surplus food. By February of this year, it was official poli-cy: Bikini was unfit for people to live on. In contrast to 1968, the news was not an-

to the world by the President of the United States.

It was rather quietly passed along to Con-gress in the form of a money request. Underse-cretary of the Interior James A. Joseph. in asking Congress for a \$15 million appropriation to relocate the people of Bikini, explained the tragedy in low-key, bureaucratic style

It became evident that radionuclide intake in the plant food chain had been significantly mis-calculated in terms of human consumption . . . The restriction on the use of coconut products produced on Bikini Island for food and export make (it) . . . unrealistic as a permanent place of artilement.

He wrote that Eneu Island appeared to be the most feasible alternative place to resettle the 500 persons who had earlier inicated they eventually wanted to live on Bikini Island, but added that a small number would likely choose to re-

"Analysis," he wrote "reveals that these Eneu Island coconuts can be used for food and

possible future copra export." Joseph proposed that \$13 million be spent to make Eneu livable and \$2 million be invested in

mare grief by the and y induced to the the second improving condutions at Kill. In mid-March, Rep. Sidoey R. Yates (D-III), charman of the House internor subcommutee on appropriations, opened the first of a series of hearings on the money bill and the plight of the Pakimans

At the April 12 session of the Yates subcommittee, Trust Territory officials testufied that it was their belief Bikini Island would be off limits for 30 to 50 years but that Eneu, 10 miles away, was likely to be a safe site for permanent resettiement

Adrian Winkel, current high commissioner of the Trust Terntory, testified that, "even know-ing of the danger," those already living on Biki-ni Island wanted to stay there and that there was some inducation others from Kill wanted to inin them on the condemned home island.

The subcommittee was told that final deter-mination of whether Eneu was safe for permanent relocation could not be made until about Jan. 1, 1979, when radioactivity levels of fruit and vegetables grown in an experimental

truit and vegetables grown in an experimental garden piot on the stand would be made known by the Department of Energy. But the wincesses agreed that the Bikinians could remain where they were without harm until Jan, 1 if they just stuck to the rules and refrained from eating the coconuts-unicss they added in qualification, the medical tests (whole body counts) to be made on the Bikini-

and later in April showed sharp jumps in inter-nal radiation dosare. And that was not expected. MCCraw, now chief of special projects branch of the Energy Department's division of enimmmental safety, said in an interview in early

May, "We can show that Eneu is lower (in ra-dioactivity) by a factor of 10 than Bikini Island ... Encu could be a residence island without resurctions, which means you can eat the fish you calch in the lagoon, you can grow any crop. I'm convinced that these Eneu (lest) crops are going to show very much lower levels than the Bliann numbers."

At the Department of the Interior, Ruth Van Cleve, chief of territorial affairs; John De Young, her top essistant, and High Commissioner Winkel all thought Eneu was the most accepta---ble second choice of the Bikiruans.

But now all three were cautious about the data they were getting from the Energy De-partment. "All we can do at any stage is listen to what the experts say-and hope they're right," Mrs. Van Cleve said. "The decisions of 1967-68 (that Bilinii was'

safe for resettlement) were based on available knowledge," Winkel said. "And now we are in virtually the same position. The decisions we make now will be based on available knowl-

But less than two weeks later, there was bad new: for the Bikimans.

The report on the April whole body counts on the Bikinians showed a startling increase in internal radiation doses.

The readings ranged up to .98, nearly double the federal safety standard of .5 rems.

Including the external radiation docage of .2, the same as in the past, the top residing was 1.18. At the same time, and just as startlingly, preliminary results of testing on coconuts grown on Eneu showed radioactivity levels uve to six

times higher than had been excected. Testifying at the May 22 session of the Yates

11. JA 84 'We would like you to keep your promise to the Bikini people, to take care of us.

subcommittee, Mrs. Van Cleve said the latest

results required a fast overhaul of plans. First, she said, although there was no imme-diate hazard to their health, the people must be removed from Bikini Island within 90 days. Second, it appeared that Eneu must be ruled out as the alternative site of the permanent reset-

At the same session, at the head of a small delegation of Bikini leaders, was Magistrate Tomake Juda, son of the man who was chief in 1946. Although born on Bikuni, the 30-year-old Tomaki was too young to remember details of the first removal. But he had heard stores of that lime all his life. He repeated one now to the subcommittee

When the naval officer had told the people they must leave the sland a generation ago, he had compared them "to the children of israel whom Lord saved from their enemy and led into the promised land.

It had not worked out that way.

It had not worked out that way. "We are more akin to the children of Israel when they left Egypt and wandered through the desert for 40 years." the dark skinned, dig-nified Bikinian said. "We left Bikini and have wandered through the ocean for 32 years, and

we will never return to our promised land." In fact Tomaki was back on Bikini on June 1. along with High Commissioner Winkel, but only to break the news to the people and to dis-

cuss with them where they wanted to go. Winkel's recommendations were read into the record at the June 10 meeting of the Yates subcommittee. He noted that those living on Bikini Island told him that if they could not re-main there, or at least on Eneu, they preferred

to move to "public domain" land in Hawari or to the mainland of the United States.

He said the majority of those living on Kill apparently preferred to remain there. But, he added, some wanted to join the Bikini rendents

added, some wanted to fort the <u>planty</u> residents wherever they might be reflocated. Further tests on Eneu foodstuifs would be re-quired before the usiand could be finally ruled out. Winkel said. But he was not optimistic. And, without quit spelling it out he seemed to dismuss the thought of relocating the Bidinians is blanking on the monitorial

assume the insight of relocating the suchmarks in Hawaii or on the maniand. "On the basis of all the factors," Winkel summed up, "it is my decision that the people of Bikini Island should be relocated to Kill Island at this time." Winkel's statement to the subcommittee on

the Bikinians' preferences was accurate as far as it went.

But, from Times interviews with more than a dozen Bikimans on their condemned island last dozen Bunnans on user condemned stand last month, it was apparent the high commissioner fauled to convey the depth of their feelings, especially their reluctance to be resettled in the Marshalls particularly on Kill "Kill," they said again and again, "is bad, Kill is no good."

With only one exception, they said they wished to be resettled in Hawaii or Florida.

Milton Anien, born on another island but Marred into a Bukini family, put it this way: "We would like to be with you in America al-ways. We like you. We would like you to keep your promise to the Bikini people, to take care of us.

"You made a promise to the Bikimi people, so we would like to come live with you — and you can support the people of Bikimi as much as you can — live with you so the American doctors can

call where when you is the main ball downry about the radiation, worry about the radiation might after night... Everybody here says this." Magnitrate Tomaki Juda, appearing before the subcommittee once again, sud that although there was deep sorrow and bitterness among his people and although "life on Kill is difficult," he concurred in the high commissioner's decision to relocate them at least temporarily on that usland

Then he suggested practical measures which them he stagested practices practices and the said were necessary to make Kill invable-construction of a 2.000-foot airstinp and an ali-weather, all-season pier, establishment of a medical dispensary, a new school, renovation of homes and community facilities. Consideration also should be given, he said, to relocating some of the correlations (bhness lined as it lined to all the school of the lined as it lined as it lined to all

of the propie on Jabwor Island at Jalust Atol. The Bikini leader also made it clear that in addiuon to relocating the people, and making their new homeland livable, the United States

their new homeiand invalue, the United States had further financial Johingzuons. It was too soon to discuss details, he said, but, "we feel that our people, especially the elderly ones, are enutied to compensation from the United States, for their removal from Bikini and for the virtual destruction of Bikini and other islands.

stands." Congress has now approved the \$15 million for relocating the Biomans, and building materials are being purchased for the tempora-ry housing for them on Kill

Plans are under way for the Kill pier, al-though some persons familiar with the surf con-

ditions do not believe it is feasible. Planning also goes ahead for the final remo-val of the people from Bikini next month.

One last matter. Ruth Van Cleve said in Washington that, although old Andrew Jakeo cannot continue to live on Bikuni, it is possible that after his death he could be buried there

with his ancestors. But she added, "I think we would want to get firm word on that from the accentists."

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