RONGELAP SURVEY

1963 -
October 11, 1963

Robert A. Conard, M.D.
Breckhaven National Laboratory
Associated Universities, Inc.
Upton, L.I., New York

Dear Bob:

I received your letter of October 1, 1963 concerning plans for next year's Rongelap Survey. What you have outlined appears quite satisfactory to us. I believe Mr. Coleman and Dr. Issac would take care of the necessary arrangements from Majuro since they are quite aware about the survey schedule and plans.

As to my suggestions about a feast and other matters of social concern to the people at Rongelap, I have these further to suggest:

1. I would rather have the feast in which the people participate done two or three days before our departure and not early in the survey. The people may think if we give an early party that we are trying to bribe them. Would rather have the party as a farewell party as a token of friendship and appreciation of the people's cooperation in the surveys with a wish for the same spirit for future surveys.

2. No beer or liquor. To my knowledge, sale of beer or liquor is not allowed outside of the district center except at Echyo and other areas approved by the Marshallese Congress. In view of this soft drinks would be adequate for all at these community gatherings. (You can have your drinks in your own quarters.)

3. Going-away gifts could be included at this farewell party for children and other groups.

4. Community gifts in the form of cooking pots for each family group would be a very nice one. Something they can feel and use with some benefit from - young and old. (Could always think of some other forms of gift each year.)

5. Extra gifts for those who may need special examinations as bone marrow and such would be appreciated and would cause less refusal if needed in the future. A bag of 50 lb. rice or flour each would be my suggestion for this kind of special examinations. In the long run, less than $5.00 a person for this type of examination would pay for your continuing bone-marrow studies on a few selected cases.
6. My last suggestion (which I think is quite important), is that we should have a community meeting upon arrival (first day) to greet the public, introduce the survey team members and bring in the open the purpose of the team's visit and request their cooperation in the routine and special examinations required during the survey. This should include answering questions, etc., if any. It may be a repetitious concern and time consuming as we definitely need to get to work right away but a few hours of this kind would definitely clear the air for all concerned. We then could expect a much better cooperation and a smoother operation of our survey work. Dr. Ezra could do the interpreting.

7. Don't forget movies and other recreational aids for the young people at Rongelap.

We are expecting a new Assistant Director of Medical Services soon for one of our Headquarters position. He may arrive while I'll be gone to Manila for a World Health Organization Seminar on Health Surveys and Reporting on national basis. I'll be gone October 21 - November 12. Upon my return we may tour the districts together and probably would get a chance to check further on things at Majuro in preparation for the survey.

Hope my suggestions are satisfactory to you. Let me hear from you if you have further ideas and plans.

With best wishes

Sincerely yours,

A. Hicking
Acting Director of Medical Services

cc: Distad, Marshalls
Dist. Dir. Med. Services, Marshalls

AHICKING:tp
File: Rongelap
Dr. A. Hicking  
Trust Territory of the  
Pacific Islands  
Marshall Islands District  
Majuro  
Box 1395, Navy 825  
FPO San Francisco, California  

Dear Al:

I am trying to firm up plans for the next survey and enclose copies of correspondence between Mr. Goding and myself as well as a letter to Mr. Coleman. These letters outline most of the plans in regard to personnel, logistics, etcetera. In regard to your Trust Territory personnel's participation, I would appreciate your getting this settled with Mr. Coleman and John Iman. I hope that the survey schedule as outlined in the letter to Mr. Coleman is satisfactory to you.

In regard to the examinations, I would like your concurrence in the following plans, which are about the same as last year's.

<table>
<thead>
<tr>
<th>Histories</th>
<th>Ezra Riklon</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pediatrics</td>
<td>Dr. Robert Carter (with the help of one of the Rongelap people).</td>
</tr>
<tr>
<td>Adults</td>
<td>You and Dr. Alvin Watne</td>
</tr>
<tr>
<td>Ophthalmology</td>
<td>Col. Lowrey (with the help of Rongelap man, Bweo, ?)</td>
</tr>
<tr>
<td>Dental</td>
<td>Dr. Lyon (with the help of dental technician or practitioner - TT?)</td>
</tr>
<tr>
<td>Hematology</td>
<td>Dr. Meyer, Irving Jones (Sebio, Kosang - ?) L. Cook.</td>
</tr>
</tbody>
</table>
| Administration | Urines, blood cultures - R. A. Conard  
                 | W. Scott  
                 | (with the help of Samson or any Rongelap man). |
| X-ray       | (Kalman - ?) with help from Libby. |
| Photography | Libby                |
Dr. Hicking

October 1, 1963

Collection of family pedigree data - Byron Bender (?), or another
   Anthropologist

Electronics - Doug Clarius

Cooks - Two (2) (Salvatore, Abraham - ?)

Dr. Behnke was pleased with the anthropometric measurements that you
made last year and perhaps we may get some more measurements on the next
survey. Dr. Watne wants to do "PAPP" smears on all adult women again.
Some EKG's may be done.

I have mentioned the need of a good boat with motor to Mr. Coleman
since I think it is important to get the old people from the end of the
Island in for complete examinations. I believe we should try to get the
people from Emiaetok down to Rongelap for complete examinations also (EKG's,
X-rays, etc.). Probably we will have to use the community boat for this.

Dr. Lyon will study dentition in the exposed and control children,
related to retardation of growth and development. Can you furnish a dental
technician or practitioner to help him? Dr. Lyon will go to Ebeye at the
beginning of the survey for a three-day period to do dental exams on the
Rongelap people there, since he has to leave for the United States at the
end of the Rongelap survey. Can he use dental facilities at Ebeye for this?
Can you furnish a dental field unit for the Rongelap survey? He would also
like to know what you have in your dental unit, (a chair, spotlight,
instruments ?); I presume you will be bringing along your medical field kit,
which includes narcotics and usual drugs. We will bring along a few other
drugs. Can you also furnish a microscope for hematology work? Perhaps
you could also furnish an extra stretcher for bringing the old people in.

I would like to follow through on your suggestions about a feast for
the people in which they participate. Don't you think this should be held
early in the survey to help rapport? Do you think we could purchase a couple
of pigs for the people to cook, and ask them to furnish fish, coconuts,
and prepare food? We would furnish rice, canned hams (corned beef, soy sauce,
pudding, etc.). Could we serve beer for the adults, for instance, a maximum
of two per person? Soft drinks for the others? In addition, I thought we
might still plan our going-away party with perhaps little gifts for the children
only. Do you think we should give any community gift? How about some cooking
pots, one for each family group?

Libby will be in charge of our food purchases on Rongelap. He is planning
menus now. Do you have any suggestions?

I hope the pertussis epidemic in the Marshals' is under control, and
that you have been able to give the Rongelap people the immunizations that we
recommended. Looking forward to hearing from you in regard to the above plans,

With best regards,

Cordially yours,

Bob

Encs.

Robert A. Conard, M.D.
September 30, 1963

Mr. Peter Coleman  
District Administrator  
Marshall Island District  
Box 1393, Navy 824  
FPO San Francisco, California  

Dear Pete:

We are proceeding with the plans for the next medical survey. I have written Mr. Goding (copy of letter enclosed) in regard to these plans and he has suggested that I correspond directly with you and Dr. Hicking. I believe he has designated Dr. Hicking to represent the Trust Territory on the next survey. I am also writing to Dr. Hicking and Dr. John Iaman in regard to the medical aspects of the survey.

I had thought that I might come out to the Islands this fall, particularly if anything developed in regard to selecting the site for a permanent building on Rongelap, but since this latter has not materialized, I believe that we should be able to complete our survey plans adequately through correspondence.

Personnel to participate from the United States are as outlined in my letter to Mr. Goding except that Dr. Karnofsky is not going. The Trust Territory personnel will have to be settled by yourself, Drs. Hicking and Iaman. I am trying to get one further addition to the team, an anthropologist, to help us with gathered pedigree data on the Rongelap people. I have written Mr. Goding in regard to the possibility of securing the services of Byron Bender of his staff in this regard. If he cannot go, I may contact Jack Tobin (Berkeley) or Dr. Mason (Hawaii).

The following is the survey schedule which I hope will be convenient for you, since I am trying to tie it in with a trip to Japan just prior to the survey.

February 27 - TT ship leaves Majuro,  
" 28 - TT ship arrives at Kwajalein in A.M., unloads medical team and survey equipment and leaves in afternoon for Rongelap,  
" 29 - Arrive Rongelap,
March 1 through March 15 - Western field trip and Rongelap survey.

March 15
= Leave Rongelap

March 16
= Arrive Kwajalein, off-load, Trust Territory ship leave in P.M. for Majuro

March 17
= Trust Territory ship arrive Majuro,
  Medical exams Ebeye

March 21
= Complete Ebeye exams

March 22
= Medical team to Majuro via Navy plane, possibly Trust Territory plane also.
  It would be appreciated if you can arrange for the weekend Trust Territory plane to carry some of the personnel and equipment to Majuro.

March 23
= Exams Majuro

March 24
= Complete exams Majuro

March 25
= Medical team departs

As stated in my letter to Mr. Goding, it would be very helpful if, on the field trip prior to the survey field trip, you can arrange for your ship to pick up some 10-12 boxes of medical equipment from the warehouse at Kwajalein and off-load these boxes at Rongelap, to be stored in their Council House or warehouse. Mr. Ben Wilson of the Navy Department at Kwajalein knows about these boxes. If there are any stevedore charges at Rongelap, I will reimburse you. We hope to get an advance group in several days before our arrival at Rongelap, in order to set up laboratory and electronic facilities. Since they will be going in by Navy plane, they would not be able to bring the boxes referred to.

This year, we would particularly like to borrow a good boat with motor to have available at Rongelap during the survey, since we would like to have some of the old people from outlying areas in for complete examinations.

It is requested that a food allowance for the Trust Territory personnel of $196.00 be made available in advance of our arrival to Bill White in Kwajalein. This figure is based on last year's survey, and covers 17 days messing at Rongelap. This is broken down as follows:

<table>
<thead>
<tr>
<th>Description</th>
<th>Quantity</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cook's salary</td>
<td>($3.33/day) for 21 days</td>
<td>$70.00</td>
</tr>
<tr>
<td>Assistant cook's pay</td>
<td>($2.88/day ) for 21 days</td>
<td>60.48</td>
</tr>
<tr>
<td>Estimated food cost</td>
<td></td>
<td>425.00</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td></td>
<td>$555.48</td>
</tr>
</tbody>
</table>
The total cost for six Trust Territory personnel (Cook not included) $196,00. If this figure is too much, the excess will be returned to you, and if too little, the individuals will be assessed the difference.

Would you please notify the Rongelap people about the impending survey, and also request rental of the same house we used last year for the period of the survey. We paid them $1,00 per day rental.

I believe this covers the major aspects of the plans. Please let me hear from you if they are not agreeable.

Looking forward to seeing you in February, and with best regards,

Sincerely yours,

Robert A. Conard, M.D.

mgd
Eno,
Honorable Wilfred C. Goding
High Commissioner
Trust Territory of the Pacific Islands
Saipan, Marianna Islands

Dear Mr. Goding:

Since I saw you here last, I have gone ahead with plans for the next annual medical survey of the Rongelap people. I mentioned to you that I may have the opportunity to visit Tokyo in advance of the survey to examine the Japanese fishermen who were involved in the same fallout incident as the Marshallese. Since I am not certain when next February these examinations will be done, I hope that you will be willing to leave the exact starting date of the survey (probably in late February) flexible for the time being.

Since we would not include Utirik in the survey this year, your trust territory ship would only be involved for about 23-24 days and, as was done last year, the usual western field trip could be carried out in conjunction with the survey. We plan also on examining the Rongelap people living on Ebeye and Majuro, but since this takes place at the end of the survey on Rongelap, it would not necessitate use of the ship. We would appreciate it if Mr. Coleman could arrange for the ship to stop by Kwajalein on the usual field trip going to Rongelap a couple of months prior to the survey trip, and pick up some boxes of equipment to be off-loaded at Rongelap and stored for us in the Council House or warehouse. We would like to send an advance group of about 3 people by Navy plane to Rongelap several days before the main group arrives in order to set up the labs, etc. beforehand.

In regard to personnel, I have 11 and possibly 12 doctors and technicians lined up from here. If the shielded room is used for whole body counts, then two additional personnel would be needed (this is indefinite and depends on whether we have a permanent building on Rongelap in time for the survey). The following persons are planning to participate:

M. A. Conard, M.D.
L. Meyer, M.D., Hematologist
B. Carter, M.D., Pediatrician
A. Watea, M.D., Surgeon
J. Clarico, Electrical technician
L. Jones, Technician
K. Libby, Photographer

A. LawreyCol. (MC) USA
Ophthalmologist

(1) Dr. Karshofsky, M.D., Internist
H. Lyon, Capt. (MC) USN Dental Off.
W. Scott, Technician
L. Cook, Technician
As in the past, it is hoped that you will find it agreeable to furnish the following Trust Territory medical personnel for the survey:

Practitioner, or, M.D.  Physical exam
Practitioner  History taking

(Dr. Nixing and Dr. Riklon, who accompanied us last year did an excellent job).

Technician  Hematology (Sibio ?)
Technician  Hematology (Kosang ?)
X-Ray Technician  (Kalman ?)
Cook
Assistant Cook

I do not know if it will be necessary for me to go to the Islands in November as I did last year since the survey procedures, I think, are pretty well understood by now. However, there are a couple of possibilities that may make the trip desirable.

a) You may wish to have me meet and talk over the surveys with your new director of Public Health. (Do you have one yet?)

b) If the permanent building on Rongelap should be approved in time by the AEC to be completed before the next survey, it would be necessary that I go to Kwajalein to talk over the plans and also perhaps Mr. Coleman might want me to go to Rongelap with him to arrange for location and land rental for such a building.

I have not yet heard definitely as to whether the Japanese doctor in charge of the exposed fishermen will visit us at Rongelap during the survey. You mentioned that you thought there would be no problem in getting the Trust Territory clearance for him. I would appreciate it if you could obtain this for me. His name and address is Dr. Toshiyuki Kumatori (M.D.), National Institute of Radiological Sciences, 250, Kurosuna-cho, Chiba-shi, Japan; Dr. Kumatori is a well-known physician.

I will keep you informed of plans as they progress and will appreciate hearing from you in regard to same.

Cordially,

Robert A. Conard, M.D.
August 5, 1963

Robert A. Conard, M.D.
Medical Department
Brookhaven National Laboratory
Associated Universities, Inc.
Upton, L. I., N. Y.

Dear Dr. Conard:

This is in reference to your letter of July 19, 1963 concerning the Rongelap survey.

I am asking Mr. Coleman to answer your questions with respect to the use of the field trip ship and he will correspond directly with you on this aspect and the other questions you raised in the second paragraph of your letter.

We propose to have Dr. Hicking accompany the survey party as our representative. He would also be available as he was last year as a member of the Medical team. He will confer with Mr. Coleman and Dr. John lam in on the technique you require.

Unless something unforeseen develops, I do not feel it would be necessary for you to make the long trip to Saipan in November. The decision to go to Kwajalein to discuss the location of the permanent building on Rongelap is one you will have to make later after consultation with Mr. Coleman.

As the copy of our letter of August 2 to Dr. Kumatori indicated, we are prepared to consider entry for him.

Sincerely,

cc: District Administrator, Marshalls

M. W. Goding
High Commissioner
Robert A. Conrad, M.S.
Brookhaven National Laboratory
Associated Universities, Inc.
Upton, L.I., N. Y.

Dear Dr. Conrad:

There would be no objection to have Byron Bender join the Rongelap Medical Survey next February if he can combine the work you need with some work with the school and school teachers. This, we feel, could be done without difficulty. If this is agreeable to you, we will have Mr. Bender plan his program to enable him to join the Rongelap Survey party next spring.

For your general information, it now appears that the 1964 Visiting United Nations Mission will be in the Territory during February and very likely will be visiting Rongelap while your team is there. You will recall that the 1963 Mission visited Rongelap during the annual survey also.

The arrangements made by you with CHICAGORE for Dr. Kannorst to enter Rongelap en route to Rongelap are noted. I assume he will be coming to Guam from Tokyo. Please keep us advised of developments in order that Mr. Finlay, our Liaison Officer in Guam, may be kept informed.

Sincerely,

John H. Aydrey
Acting Deputy High Commissioner

cc: Liaison Officer, Guam
Byron Bender
Interior r.f.

JDEYOUNG:rmj
File: PO - P&SD 4 - Rongelap Medical Survey
X-File: Medical Services
Honorable Wilfred Goding  
High Commissioner  
Trust Territory of the Pacific Islands  
Saipan, Mariana Islands  

Dear Mr. Goding:

I am writing you specifically in regard to our obtaining someone with anthropological training to help us on the next medical survey at Rongelap. We have collected over the years a considerable amount of genetic data (blood groups, etc.) on the Rongelap people, which furnishes important baseline information on possible genetic effects of radiation. In order for this data to be meaningful and properly interpreted, it is necessary that we obtain as accurate information as is possible on the pedigree of these people, with genealogical data on the various blood relationships. I have been advised by those who are expert in this field that the only way to handle this matter correctly would be to have an individual with anthropological training, particularly one who is knowledgeable of the Marshallese people, join the expedition to complete these analyses. We have been in contact with Dr. Riesenberg at the Smithsonian Institute and he has recommended three people whom he feels might be obtained to do this. The three are:

1) J. E. Tobin, formerly with the Trust Territory, now with the Department of Anthropology, University of California, Berkeley, California.

2) Dr. Byron Bender, who is on your staff.

3) Dr. Leonard Mason, Department of Anthropology, University of Hawaii, Honolulu, Hawaii.

Before contacting any of the others on this list, I wonder if it might be possible to have Byron join us on the survey to help us with gathering this data. I know Byron very well personally and would be most happy to have him join us, if it would be agreeable with both of you. If this is not possible, I will then attempt to contact one of the other two.

We are proceeding with the survey plans and, as you suggested, I will be in contact in the very near future with Dr. Hicking and Mr. Coleman in regard to these plans.

It looks now as though we will not be able to do body burden radioactive evaluation on the people this year. For one thing, the estimated cost of
of this structure was far too high and I am looking into other possibilities.

I appreciate your taking care of the necessary arrangements as far as the Trust Territory is concerned in regard to Dr. Kumatori's visit to Rongelap during the next survey. D.O.D. Form No. 398 has been forwarded to the Commander-in-Chief of the Pacific Fleet requesting permission for Dr. Kumatori to stop over at Kwajalein en route.

I would appreciate hearing from you at your earliest convenience with regard to Bender's participation in the survey in view of the necessary arrangements that will have to be made to get someone else. If you or John Young should have any other suggestions in this regard, I would welcome them.

Sincerely yours,

[Signature]

Robert A. Conard, M.D.

CC B. Bender
Memorandum

TO: High Commissioner

FROM: B. Bender

DATE: October 4

SUBJECT: Dr. Conrad's letter of September 27 (being printed on NC)

I hope you will see your way clear to authorize me to work with this group next February. I worked rather closely with them and with the Kongolap people in 1954-55. I would welcome this opportunity to visit that community again and believe that some educational purposes might be served as well. I should have some time while there to inspect the school and work with the teachers on this otherwise remote northern atoll. 

B. Bender
July 19, 1963

Honorable Wilfred Goding
High Commissioner
Trust Territory of the Pacific Islands
Saipan, Marianas Islands

Dear Mr. Goding:

Since I saw you here last, I have gone ahead with plans for the next annual medical survey of the Rongelap people. I mentioned to you that I may have the opportunity to visit Tokyo in advance of the survey to examine the Japanese fishermen who were involved in the same fallout incident as the Marshallese. Since I am not certain when next February these examinations will be done, I hope that you will be willing to leave the exact starting date of the survey (probably in late February) flexible for the time being.

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R. Carter, M.D., Pediatrician
A. Watne, M.D., Surgeon
D. Clarius, Electrical technician
I. Jones, Technician
E. Libby, Photographer

A. LowreyCol. (MC) USA
Ophthalmologist

(?) D. Karnofsky, M.D., Internist
H. Lyon, Capt. (DC) USN Dental Officer
W. Scott, Technician
L. Cook, Technician
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Practitioner  
(Dr. Hicking and Dr. Riklon, who accompanied us last year did an excellent job).

Technician
Technician
X-Ray Technician
Cook
Assistant Cook

Physical exams
History taking
Hematology (Sibio ?)
Hematology (Kosang?)
(Kalman ?)

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I will keep you informed of plans as they progress and will appreciate hearing from you in regard to same.

Cordially,

[Signature]

Robert A. Conard, M.D.
May 9, 1963

Robert A. Conard, M.D.
Brookhaven National Laboratory
Associated Universities, Inc.
Medical Department
Upton, L.I., N. Y.

Dear Dr. Conard:

Thank you for your letter of April 26, 1963 on the proposed permanent structure on Rongelap. I have sent a copy of your letter to the District Administrator in the Marshalls for his information also.

I regret to inform you that Dr. MacDonald died suddenly of a heart attack at Truk on May 1, 1963. I know you will want to inform other members of your group who had worked with him.

I shall look forward to seeing you in New York in June.

Sincerely,

M. W. Goding
High Commissioner

cc: Distad, Marshalls
    Interior r.f.
    JEDYOUNG:rmj
    File: P&SD-4 (Rongelap Med. Survey)
    X-file: Public Health -(Rong. Med. Services)
April 26, 1963

Honorable Wilfred A. Goding
High Commissioner
Trust Territory of the Pacific Islands
Saipan, Marianas Islands

Dear Mr. Goding:

We have delayed answering your letter of January 18th, 1963 in regard to the proposed permanent structure on Rongelap. Though I do not have anything definite yet to report, I thought I should bring you up to date on what has transpired.

I have been asked by Dr. Dunham in Washington to obtain and present to him an estimate of the cost of the building. He has not indicated as yet whether or not he will be able to obtain approval for this structure. I have had some preliminary plans drawn up for a Butler-type building of aluminum construction, 24 x 68 feet dimension, with a concrete floor and two catchment water cisterns. As you suggested in your letter, this room would have space (3 rooms) for the whole body counter, X-ray, and some miscellaneous facilities. One of the rooms could be used in the interim between surveys as a meeting place for the people, but since their counsel house is more spacious than any one of these rooms, it might well be preferable as their meeting place. When I am able to present the cost estimate in Kwajalein and get further word on the outcome, I will let you know. I appreciate very much your support of this proposal.

As we did last year, I am sending a brief preliminary statement on the results of our recent medical survey to Dr. Hicking for our joint signatures. I have requested him to forward one of the signed statements to you.

Hope I will have an opportunity to see you in New York in June.

Sincerely yours,

[Signature]

RAC: Dr. Robert A. Conard, M.D.
CC: Drs. Bond, Bruner, Dunham
April 12, 1963

Dr. H. E. Macdonald  
Director of Public Health  
Trust Territory of the Pacific Islands  
Saipan, M.I.

Dear Dr. Mac:

Enclosed is a copy of a letter to Mr. Goding, presenting a few facts about the recent survey on Rongelap and Utirik. I was really quite pleased with the way the survey went and particularly with the fine cooperation your people rendered. I am now in the throes of trying to analyze and put together all the data that we have brought back with us and, as you know, this is a monumental task.

I am still trying to get an estimate of the cost of putting the permanent building on Rongelap which we discussed. I am hopeful that after we have all the data together, we can get AEC approval for it. If we are successful, I will be in touch with you and Mr. Goding again about this matter.

I was sorry to hear that you had been ill and hope by now that you are feeling well again. That must have been an interesting trip you had to India and I would like to hear about it sometime. Will try to get together with you next fall in regard to the next survey. Hope things are going well on Saipan. With best regards,

Sincerely,

Bol

R. A. Conard, M.D.

RAC: gmd

Enc.
Honorable Wilfred Goding
High Commissioner
Trust Territory of the Pacific Islands
Saipan, Marianas Islands

Dear Mr. Goding:

We have just returned from the annual medical survey of the Rongelap and Utirik people. I would like to report that the survey was successful in spite of the severe polio epidemic which was in progress when we arrived on the Islands and the unfortunate incident of the grounding of the Ran Amin. In the latter case we were very grateful to you and Mr. Coleman for furnishing the Rogue to serve as the survey ship.

The results of the survey are still being analyzed and it will be some time yet before detailed information can be made available. It can be stated that the Rongelap and Utirik people were both extremely cooperative and friendly. Meetings were held with the people at the beginning of the survey to explain to them the procedures which we wished to carry out and in most instances we found no difficulty in obtaining their complete cooperation. Generally, we found the people on both Islands to be in good health and we found no new evidence of radiation effects based on the preliminary examination of the data. Dr. Hicking and the others of the Trust Territory Medical Group were extremely cooperative and the close work and harmony between the two groups were largely responsible for the success of the survey.

I would like to express my sincere appreciation to you, Dr. Macdonald, and the others of your staff and Mr. Coleman and many others at Majuro for the splendid cooperation and assistance rendered.

The eighth year annual report on examinations of the Rongelap people is now being printed and I hope to have copies available for you before the United Nations meeting. As in the past I will be most happy to give you any assistance possible at the UN meeting this year. I will also contact Mr. Bingham in this regard. If you wish me to come into New York for the meetings, I will be happy to do so. With best personal regards,

Sincerely,

Robert A. Conard, M.D.
TRUST TERRITORY OF THE PACIFIC ISLANDS
Department of Public Health
Majuro, Marshall Islands

April 4, 1963

Memorandum

To: District Administrator, Marshalls
From: Spec. Rep., Director of Public Health
Subj: Annual Medical Survey, 1963, Rongelap and Uterik - General brief report

The 1963 Annual Medical Survey of the Rongelap people with the exposed people at Uterik included in this year’s examinations was carried out during the month of March, 1963. The medical survey team consisted of ten AEC physicians and technicians, assisted by a TT team of ten personnel including a cook and an assistant temporarily hired for this year’s survey. The TT team was comprised of Dr. A. Hickin, Dr. J. Riklen, Keesen Misutani, Setio Shoniber, Kalsma, Andreas with two dental personnel, Dr. J. Anjain and Koura.

The main group of the survey team left Majuro February 26 by M/V "Roque" for Kwajalein where supplies, equipments and provisions including 50 barrels of water were picked up then proceeded to Rongelap arriving there March 1. A few members of the team got to Rongelap on an Army vessel that was going there from Majuro. Others flew in by Navy plane from Kwajalein. The M/V "Roque" after disembarking the team and supplies, went on to make a western field trip run.

As was in the previous year, the survey team lived on shore at Rongelap for 16 days during the period of the examinations. Another 5 days was spent ashore at Uterik under the same conditions while conducting the examinations there.

The general attitude of the people both at Rongelap and at Uterik towards the examinations was not as warm as last year’s but all showed cooperativeness when approached individually explaining the necessity of the examinations to them. Again as was noted last year, one or two individuals refused medical examinations. The results of the examinations—physical, hematological and other special examinations will be submitted later by Dr. Robert A. Conard, Chief, AEC medical team when records have been analysed; this probably would take months. The general health of the people on Rongelap was on the whole very good with practically no evidence of vitamin deficiency symptoms and no skin lesions as was noted in last year’s examinations. Findings noted during the physical examinations were noted and discussed by the survey doctors. Recommendations for those who require follow-up examinations and special care given to them were recorded for the information of the health aide and the TT doctors at Majuro and at Eibey. A list of names with their conditions to be followed up with is herewith forwarded (Enclosure). These follow-ups could be conducted during regular field trips from Majuro.

During our stay at Rongelap, Dr. K. Hermann, a member of the US Public Health team assisting with the polio epidemic in the Marshalls arrived by Navy plane from Kwajalein, to make an epidemiological study and evaluation of the reported cases on the island. The polio epidemic at Rongelap had subsided prior to our visit first case was reported on the island January 19 following a visit of a field trip ship M/V "San Annis". Altogether there were 25 polio cases at Rongelap (22 children and 3 adults) with one death on an elderly lady, aged 65 years. She gave typical symptoms of the disease with Laryngeal Paralysis (Bulbar type). Among the other cases, only one child of 5 years had
severe paralysis of the lower extremities and had to be evacuated to Ebeys where some form of physiotherapy is being conducted on the cases there. Polio vaccine (Sabin Type I) was given to everyone on the island January 31 by a Medical Officer from Kwajalein who assisted in this immunization program during the epidemic throughout the Marshalls.

A review of health status of the people at Rongelap during the past year showed that besides the polio epidemic above, the health aide reported usual Upper Respiratory Infections on three separate occasions but were mild in nature. Also reported during the month of December, 1962 were 6 cases of gastroenteritis among children with symptoms of fever, diarrhoea and blood in the stool. A medical officer from Kwajalein flew up following a call for assistance from the health aide. Specimens of stools examined did not show evidence of amoeba. Treatment was symptomatic, one case required lysis done by the health aide at Rongelap - no fatality. There were also few cases of reported sickness after eating arrow-root starch. Symptoms said to be burning sensations in mouth and throat, followed by itch, rash and swelling on lips and face. Some dysphagia.

A few had abdominal pain with cramps, nausea and diarrhoea. Duration of illness was from 3 - 4 days. Type of illness has been reported also in the past and it was said to have been due to the calcium oxalate present in the arrow-root when not properly prepared for use as food and not something related to radiation contamination.

Statistical review of births and deaths during the past year at Rongelap showed there where 6 births, 6 deaths and 1 stillbirth. The stillbirth which occurred last October 19, 1962 showed a congenital abnormality known as Ectromelus, a condition where there is congenital absence of one, two, or three extremities or their imperfect developments. Other births were normal, no miscarriages. Of the 6 deaths, 4 died at Rongelap - 2 died at Majuro District Hospital.

Causes of deaths were reported as follows:

1. Wina  
   F  4  died October 21, 1962 at Majuro with Acidosis, Dehydration, Gastroenteritis.
2. Konene  
   M  83 died at home October 25, 1962 with ? Senility. (Gave no symptoms refused to eat for 2 weeks before death).
3. Janet  
   F  60 died at Rongelap July 7, 1962 with Cancer of the Cervix.
4. Ram  
   M  47 died at dispensary, Rongelap, July 6, 1962 with Status Asthmaticus.
5. Iroji  
   M died at Majuro Hospital with Brain lesion, Status Epilepticus. Autopsy made - no microscopic report received yet on confirmation of death.
6. Anja  
   F  65 died at home February 6, 1963 with Laryngeal Paralysis, Polio (Bulbar type).

At Uterik, the survey team had to live ashore instead of the original plan for them to live aboard the "Roque". This was done after reconsidering the situation by both heads of the AEC group and the TT group who decided that this change in plan would facilitate better operations and would hasten completion of the examinations. The same means of obtaining provisions were made as was in Rongelap, each member of the survey team paying a sum for their food. Other reasons for this change in plans were:

1. Since there were several large buildings available at Uterik put up by the weather people years ago, making use of them was more feasible than crowding ourselves on the deck of the vessel.
2. Transporting twenty people in the survey team back and forth to the ship by the ship's boat would have caused much problems and difficulty and of course delay in our work.
3. The survey team means of transportation furnished by the Administration was rotten and was not in use at all. The boat was later found to have been one laying on the beach at Majuro under a pandanus tree for the past 2 years. Even with repairs that we did to it at Rongelap, you couldn't keep the boat from sinking fast when put in the water. Along with
the boat, the outboard engine furnished us was never able to run. The engineers from Kwajalein who were at Rongelap to assist us with mechanical and electrical needs worked on it with available parts and tools, said the engine was beyond repair.

Prior to conducting the survey at both places, the people were informed of the purpose of the visit, explaining what was to be done, and asked the people for their cooperation. Questions raised were answered to clarify their fears and doubts. Though the majority seemed to understand, a number had to be approached individually for further explanations.

At the close of the survey, the people were informed of the general results of the examinations and reassured of their health status and that those with some physical findings would receive care and follow up by the medical staff when they come on field trips from Majuro. The need for continuation of the examinations was explained to them. The people were very happy and expressed their gratitude to what was done for them. Also at this time, both at Rongelap and at Uterik, the AEC team gave a party to the islanders where refreshments and small gifts were given to everyone - young and old. Among the gifts of worthwhile mention donated by the AEC this year is a special gift to the Rongelap church which consisted of a large altar crucifix on a cross, candle holders with large candles on them, a flower vase with pretty plastic flowers in it. Also small individual gifts of assorted items were given to those who underwent special examinations as token of their cooperativeness. In appreciation to all these gifts and the party given by the AEC team, the islanders responded back with singing songs, gifts of shells and handicrafts, and whatever they could prepare for the survey team to eat. This sort of thing is mentioned as a sign of goodwill between the visiting survey team and the islanders.

Summary and Recommendations

1. The 1963 Annual Medical Survey of Rongelap which includes a survey of the exposed people at Uterik was accomplished with success.
2. No unusual findings of great significance was noted as a result of this year's examinations. Those with physical findings requiring further care were listed for follow-up check from Majuro.
3. Good cooperation was noted by the people to the examinations and also between the two groups comprising the survey team - the AEC and the TT group. Never was there a more harmonious unit working like this and sharing their inconveniences together without any hard feelings.
4. Following the recent polio epidemic at Rongelap as in the Marshalls, it was recommended that Immunization program for the people at Rongelap could be done - with DPT, complete polio vaccination series, smallpox, and other recommended vaccinations. A TB survey could be conducted along with BCG vaccinations.
5. Better social approach to the people is recommended:
   (a). more time in explanation to the public, the necessity of the examinations and especially concerning the special examinations that cause great fear to the people.
   (b). A gift to the community that would be felt by one and all, young and old, Christian or non-Christian, man or woman - each member of the community to feel he or she has a part in it. - In Rongelap where food supply is kind of scarce compared to the rest of the Marshalls, food is most important.
   (c). During the social gathering and parting, it should be a party (a feast-like) with the community taking part in it. Offering of small gifts could be part of this party.
   (d). some means of entertainment continued - movies and music, etc.

A. Hickling, M. O.

cc: Dir. P.H. TerPacis, Saipan
    Dr. R. A. Conard, BNL
    Dist. Dir. P.H., Marshalls
# MEDICAL FOLLOW-UP BONGELAP ADULTS EXAMINED MARCH, 1963

## PREGNANCIES

<table>
<thead>
<tr>
<th>No.</th>
<th>Name</th>
<th>Sex</th>
<th>Age</th>
<th>Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>Almira</td>
<td>F</td>
<td>27</td>
<td>Anemia</td>
</tr>
<tr>
<td>22</td>
<td>Etri</td>
<td>F</td>
<td>26</td>
<td>Vomiting of preg.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Patient sent to Ebeye for further care.</td>
</tr>
<tr>
<td>64</td>
<td>Mijius</td>
<td>F</td>
<td>39</td>
<td>Anemia</td>
</tr>
<tr>
<td>70</td>
<td>Namiiko</td>
<td>F</td>
<td>26</td>
<td>Iron pills</td>
</tr>
<tr>
<td>81</td>
<td>Dorothy</td>
<td>F</td>
<td>18</td>
<td>Came from Majuro - Returned to Ebeye in ? labor.</td>
</tr>
<tr>
<td>829</td>
<td>Shieko</td>
<td>F</td>
<td>24</td>
<td>History of contracted pelvis with previous CS. Returned to Ebeye.</td>
</tr>
<tr>
<td>832</td>
<td>Armine</td>
<td>F</td>
<td>25</td>
<td></td>
</tr>
<tr>
<td>932</td>
<td>Cathrine</td>
<td>F</td>
<td>28</td>
<td>Diabetes</td>
</tr>
<tr>
<td>951</td>
<td>Rosa</td>
<td>F</td>
<td>30</td>
<td></td>
</tr>
<tr>
<td>1001</td>
<td>Rison</td>
<td>F</td>
<td>29</td>
<td></td>
</tr>
</tbody>
</table>

## DIABETES - KNOWN OR SUSPECTS

<table>
<thead>
<tr>
<th>No.</th>
<th>Name</th>
<th>Sex</th>
<th>Age</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>853</td>
<td>Jebelik</td>
<td>M</td>
<td>58</td>
<td>None of these on Rx at present. Check for further care if necessary. ?</td>
</tr>
<tr>
<td>893</td>
<td>Nieniej</td>
<td>F</td>
<td>45</td>
<td></td>
</tr>
<tr>
<td>916</td>
<td>Bin</td>
<td>F</td>
<td>39</td>
<td></td>
</tr>
<tr>
<td>918</td>
<td>Baloj</td>
<td>M</td>
<td>65</td>
<td></td>
</tr>
<tr>
<td>932</td>
<td>Cathrine</td>
<td>F</td>
<td>29</td>
<td>(Preg. above)</td>
</tr>
<tr>
<td>1041</td>
<td>Philip</td>
<td>M</td>
<td>58</td>
<td></td>
</tr>
<tr>
<td>1042</td>
<td>Nienen</td>
<td>F</td>
<td>46</td>
<td></td>
</tr>
</tbody>
</table>
PROTEINURIA
855 Tonean M 58
895 Rojeik F 33
1042 Mienen F 46 (Diabetic above)

LIVER ENLARGEMENT
34 Jhara F 54
853 Jebelik M 58 (Diabetic above)
381 Stail M 31
937 Matijela M 55
970 Kenana F 44

EYE CASES - SAME AS LAST YEAR; HAVE NOT BEEN SEEN
13 Bikere F 60

858 Ribben F 67

55 Leman N 83

60 Kuma F 61

935 Yula M 64

82 Totok M 57
925 Bariberin M 65

936 Diteken F 71

118 Moses M 2

Articin L=

576 M 57

477 M 57

Left eye totally blind with some
kind of infection which has now
subsided. Sun-flight was re-
commended by Col. Howy last year.

Immature cataract one eye. Re-
fractive for eye-glasses recom-
pended temporary.

Cataract eye. Other eye has been
operated. Eye-glasses for reading
and better sight recomended.

Poor vision. Refraction for eye-
glasses recommended.

Lacrimation with infection. Eye-
glasses advised. If no improve-
ment with glasses enucleation of
bad eye is advisable.

Poor vision. Refraction for eye-
glasses recomended.

Pterygium one eye. Removal strin-
gly recomended.

Chronic Conjunctritis

Refraction, eye-glasses.
**DYN. CONSULTATION CASES**

<table>
<thead>
<tr>
<th>No.</th>
<th>Name</th>
<th>Gender</th>
<th>Age</th>
<th>Diagnosis</th>
</tr>
</thead>
<tbody>
<tr>
<td>18</td>
<td>Ellen</td>
<td>F</td>
<td>31</td>
<td>Enlarged uterus with cervical bleeding.</td>
</tr>
<tr>
<td>34</td>
<td>Thera</td>
<td>F</td>
<td>54</td>
<td>Hysterectomy with Ex erosion – biopsy done ‘62 - Patient seen at Majuro ‘62.</td>
</tr>
<tr>
<td>45</td>
<td>Kajim</td>
<td>F</td>
<td>41</td>
<td>Cervicitis</td>
</tr>
<tr>
<td>51</td>
<td>Amon</td>
<td>F</td>
<td>34</td>
<td>Cervical erosion</td>
</tr>
<tr>
<td>53</td>
<td>Kiwoje</td>
<td>F</td>
<td>67</td>
<td>Cervical bleeding</td>
</tr>
<tr>
<td>60</td>
<td>Kuma</td>
<td>F</td>
<td>65</td>
<td>Hyperplasia - ASB - Urethral caruncle, cervicitis.</td>
</tr>
<tr>
<td>61</td>
<td>Mary</td>
<td>F</td>
<td>17</td>
<td>Endocervicitis</td>
</tr>
<tr>
<td>49</td>
<td>Kiesang</td>
<td>F</td>
<td>24</td>
<td></td>
</tr>
<tr>
<td>846</td>
<td>Ponines</td>
<td>F</td>
<td>60</td>
<td></td>
</tr>
<tr>
<td>851</td>
<td>Lointat</td>
<td>F</td>
<td>54</td>
<td>Reverted uterus</td>
</tr>
<tr>
<td>852</td>
<td>Kijon</td>
<td>F</td>
<td>59</td>
<td>Bleeding cervical os</td>
</tr>
<tr>
<td>871</td>
<td>Rina</td>
<td>F</td>
<td>50</td>
<td>Urethral caruncle</td>
</tr>
<tr>
<td>893</td>
<td>Mienej</td>
<td>F</td>
<td>45</td>
<td>Mass left adnexa with cervical pathology?</td>
</tr>
<tr>
<td>895</td>
<td>Tejaik</td>
<td>F</td>
<td>33</td>
<td>Cervical erosion</td>
</tr>
<tr>
<td>896</td>
<td>Malalong</td>
<td>F</td>
<td>23</td>
<td></td>
</tr>
<tr>
<td>898</td>
<td>June</td>
<td>F</td>
<td>75</td>
<td>Bleeding cervical os</td>
</tr>
<tr>
<td>908</td>
<td>Ankoto</td>
<td>F</td>
<td>73</td>
<td>Cervical erosion</td>
</tr>
<tr>
<td>929</td>
<td>Jabrik</td>
<td>F</td>
<td>65</td>
<td>Bleeding cervical os</td>
</tr>
<tr>
<td>936</td>
<td>Jitoken</td>
<td>F</td>
<td>72</td>
<td></td>
</tr>
<tr>
<td>1043</td>
<td>Lydia</td>
<td>F</td>
<td>43</td>
<td>Cervical lesion - need biopsy</td>
</tr>
</tbody>
</table>

**MISCELLANEOUS CONDITIONS**

<table>
<thead>
<tr>
<th>No.</th>
<th>Name</th>
<th>Gender</th>
<th>Age</th>
<th>Diagnosis</th>
</tr>
</thead>
<tbody>
<tr>
<td>#53</td>
<td>Jablok</td>
<td>M</td>
<td>58</td>
<td>Thyroid mass, left lobe</td>
</tr>
<tr>
<td>60</td>
<td>John</td>
<td>M</td>
<td>36</td>
<td>Perirectal abscess - Lentikloplasia inside mouth.</td>
</tr>
<tr>
<td>78</td>
<td>Tila</td>
<td>F</td>
<td>47</td>
<td>Furuncles on legs</td>
</tr>
<tr>
<td>60</td>
<td>Kuma</td>
<td>F</td>
<td>65</td>
<td>(As in Gyn. Consult) Hyperplasia ‘63</td>
</tr>
<tr>
<td>13</td>
<td>Bakere</td>
<td>F</td>
<td>67</td>
<td>(&quot;&quot;&quot;) Meckle-Kyphoscoliosis, Arteriesclerosis.</td>
</tr>
</tbody>
</table>

*Observation every 2 mo. IF CALABARING - Biopsy - Specimen to be sent to Dr. Conard at Bukhraven.*
### MEDICAL FOLLOW-UP RONGELAP CHILDREN EXAMINED MARCH, 1963.

<table>
<thead>
<tr>
<th>Patient ID</th>
<th>Name</th>
<th>Gender</th>
<th>Age</th>
<th>Diagnosis/Instructions</th>
</tr>
</thead>
<tbody>
<tr>
<td>118</td>
<td>Moses</td>
<td>M</td>
<td>2</td>
<td>Chronic conjunctivitis</td>
</tr>
<tr>
<td>119</td>
<td>Risilina</td>
<td>F</td>
<td>2</td>
<td>Chronic otitis - Local and parenteral antibiotics.</td>
</tr>
<tr>
<td>1046</td>
<td>Pitton</td>
<td>?</td>
<td>?</td>
<td></td>
</tr>
<tr>
<td>104</td>
<td>Alson</td>
<td>M</td>
<td>4</td>
<td>Rales in chest - if persist - antibiotic therapy.</td>
</tr>
<tr>
<td>17</td>
<td>Disc</td>
<td>F</td>
<td>13</td>
<td>Thyroid mass. Observation every 2 mo. if enlarging - biopsy (Send specimen to Dr. Conard at Brookhaven).</td>
</tr>
</tbody>
</table>

### FOLLOW-UP (NO ACTIVE THERAPY AT PRESENT).

<table>
<thead>
<tr>
<th>Patient ID</th>
<th>Name</th>
<th>Gender</th>
<th>Age</th>
<th>Diagnosis/Instructions</th>
</tr>
</thead>
<tbody>
<tr>
<td>128</td>
<td>Mety</td>
<td>F</td>
<td>11</td>
<td>Capillary hemangioma - should resolve.</td>
</tr>
<tr>
<td>960</td>
<td>Nannej</td>
<td>F</td>
<td>11</td>
<td>Grade III systolic murmur - (Get antistreptolycin titer).</td>
</tr>
<tr>
<td>1031</td>
<td>Bira</td>
<td>M</td>
<td>2</td>
<td>Hemangioma - fairly large - may resolve.</td>
</tr>
<tr>
<td>33</td>
<td>Jemlock</td>
<td>F</td>
<td>11</td>
<td>History of joint pains</td>
</tr>
<tr>
<td>996</td>
<td>Jonna</td>
<td>F</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>891</td>
<td>Abra</td>
<td>F</td>
<td>15</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>Harry</td>
<td>M</td>
<td>16</td>
<td>Systolic hypertension 140-150/80 (Urine neg. for protein &amp; cells)</td>
</tr>
</tbody>
</table>
PROPHYLACTICS

2129  Arte
2217  Geijon

LIVER ENLARGEMENTS

2140  Aibe
2141  Fila
2168  Kabto
2253  Timur

EYE CASES

2101  Aiken  Blind - bilateral cataracts.
2121  Addari  Cataract
2211  Meme  "
2169  Kambaj  "
2110  Libarju  "
2168  Lobere  "
2132  Lealsk  "
2140  Keli  Extensive pterygium, left eye - involving pupil.

OVAR. CONDITIONS

2140  Fila  Uterus enlarged slightly ?
2240  Tarkim  Prolapce - cystocele - rectocele
2135  Lyabewor  ? Fibroid
2243  Soka  Cervical erosion
2196  Likbus  Endo-cervicitis
2192  Libarju  Cervix 2a - need biopsy.
2172  Kasuo  Cervical admes
<table>
<thead>
<tr>
<th>Code</th>
<th>Name</th>
<th>Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>2186</td>
<td>Lebereo</td>
<td>Urethral caruncle</td>
</tr>
<tr>
<td>2224</td>
<td>Mine</td>
<td>Cystocele</td>
</tr>
<tr>
<td>2121</td>
<td>Addari</td>
<td>Chronic bronchitis - Gen. arterio-sclerosis-old nasal deformity.</td>
</tr>
<tr>
<td>2140</td>
<td>Bibe</td>
<td>Multiple fibromata, lower externitis.</td>
</tr>
<tr>
<td>2175</td>
<td>Kennin</td>
<td>Benign Prostatic Hypertrophy. (BPH.)</td>
</tr>
<tr>
<td>2169</td>
<td>Karbo</td>
<td>Kyphosis - BPH</td>
</tr>
<tr>
<td>2186</td>
<td>Lejobko</td>
<td>Acute pharyngitis</td>
</tr>
<tr>
<td>2196</td>
<td>Likbas</td>
<td>&quot;</td>
</tr>
<tr>
<td>2110</td>
<td>Kambaj</td>
<td>BPH</td>
</tr>
<tr>
<td>2181</td>
<td>Lawine</td>
<td>BPH - Flaccid paralysis lower exter. - Gen. arterio-sclerosis.</td>
</tr>
<tr>
<td>2214</td>
<td>Mexco</td>
<td>BPH - Old amp. left leg - absent left testicle - Gen. arterio-sclerosis.</td>
</tr>
<tr>
<td>2186</td>
<td>Lebereo</td>
<td>Kypho-scoliosis.</td>
</tr>
<tr>
<td>2172</td>
<td>Kasuco</td>
<td>Obesity</td>
</tr>
<tr>
<td>2253</td>
<td>Timur</td>
<td>Finger deformity - (Old traumatic injury).</td>
</tr>
<tr>
<td>2156</td>
<td>Leban</td>
<td>Obesity - mild hypertension</td>
</tr>
<tr>
<td>2152</td>
<td>Rejen</td>
<td>Hydrocele, Rt.</td>
</tr>
<tr>
<td>2175</td>
<td>Kennin</td>
<td>Herula, Inguinal, left.</td>
</tr>
<tr>
<td>2215</td>
<td>Minje</td>
<td>Obesity - Thrombosed hemorrhoids.</td>
</tr>
<tr>
<td>2101</td>
<td>Aiben</td>
<td>Chronic Bronchitis</td>
</tr>
<tr>
<td>2244</td>
<td>Tarkeim</td>
<td>Obesity</td>
</tr>
<tr>
<td>2193</td>
<td>Libara</td>
<td>Extra systoles.</td>
</tr>
<tr>
<td>2238</td>
<td>Ruta</td>
<td>Acute Bronchitis.</td>
</tr>
<tr>
<td>2150</td>
<td>Ento</td>
<td>Old amp. rt. index finger.</td>
</tr>
<tr>
<td>2189</td>
<td>Julok</td>
<td>Prom. ulna tuberosity</td>
</tr>
<tr>
<td>2105</td>
<td>Betwel</td>
<td>Amputation rt. hand-grenade WW II.</td>
</tr>
</tbody>
</table>
Act. Administrative Officer, Marshall 1 April, 1963

Spec. Rep., Director of Public Health

Payment of Stevedores and other helpers hired to assist with the 1963 Annual Medical Survey, Rongelap and Uterik Atolls.

In compliance with the Assistant District Administrator's wish that I submit a list of all local hire used during this year's survey, the following is being forwarded for your records.

RONGELAP ATOLL.

Stevedores:

<table>
<thead>
<tr>
<th>Name</th>
<th>Hours</th>
<th>Rate</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ben</td>
<td>11(\frac{1}{2}) hrs @ .30$/hr.</td>
<td>= 3.45</td>
<td></td>
</tr>
<tr>
<td>Not</td>
<td>11(\frac{1}{2}) hrs @ .30$/hr.</td>
<td>= 3.45</td>
<td></td>
</tr>
<tr>
<td>Kasba</td>
<td>11(\frac{1}{2}) hrs @ .30$/hr.</td>
<td>= 3.45</td>
<td></td>
</tr>
<tr>
<td>Article</td>
<td>11(\frac{1}{2}) hrs @ .30$/hr.</td>
<td>= 3.45</td>
<td></td>
</tr>
<tr>
<td>Joji</td>
<td>11(\frac{1}{2}) hrs @ .30$/hr.</td>
<td>= 3.45</td>
<td></td>
</tr>
<tr>
<td>Berio</td>
<td>11(\frac{1}{2}) hrs @ .30$/hr.</td>
<td>= 3.45</td>
<td></td>
</tr>
<tr>
<td>Bella</td>
<td>11(\frac{1}{2}) hrs @ .30$/hr.</td>
<td>= 3.45</td>
<td></td>
</tr>
<tr>
<td>Jobs</td>
<td>10 hrs @ .30$/hr.</td>
<td>= 3.00</td>
<td></td>
</tr>
<tr>
<td>Samson</td>
<td>4 hrs @ .30$/hr.</td>
<td>= 1.20</td>
<td></td>
</tr>
<tr>
<td>Jabbi</td>
<td>4 hrs @ .30$/hr.</td>
<td>= 1.20</td>
<td></td>
</tr>
</tbody>
</table>

Trenching:

<table>
<thead>
<tr>
<th>Name</th>
<th>Hours</th>
<th>Rate</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bitikos</td>
<td>26 hrs @ .30$/hr.</td>
<td>= 7.80</td>
<td></td>
</tr>
<tr>
<td>Jojia</td>
<td>26 hrs @ .30$/hr.</td>
<td>= 7.80</td>
<td></td>
</tr>
<tr>
<td>Saas农业</td>
<td>18 hrs @ .30$/hr.</td>
<td>= 5.40</td>
<td></td>
</tr>
</tbody>
</table>

Examination Helpers:

<table>
<thead>
<tr>
<th>Name</th>
<th>Days (Hrs)</th>
<th>Rate</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Catherine</td>
<td>12 days (8 hrs) @ .30$/hr.</td>
<td>= 25.80</td>
<td></td>
</tr>
<tr>
<td>Samson</td>
<td>12 days (9 hrs) @ .32$/hr.</td>
<td>= 31.56</td>
<td></td>
</tr>
<tr>
<td>Alfonso</td>
<td>12 days (8 hrs) @ .30$/hr.</td>
<td>= 28.80</td>
<td></td>
</tr>
<tr>
<td>Etall</td>
<td>12 days (9 hrs) @ .30$/hr.</td>
<td>= 28.80</td>
<td></td>
</tr>
<tr>
<td>Dio</td>
<td>12 days (8 hrs) @ .32$/hr.</td>
<td>= 30.72</td>
<td></td>
</tr>
</tbody>
</table>

Other expenses:

- Rent for building: 23 days @ $1.00 = 23.00
- John & Hyra for prep, food for study = 6.00
- Jabbi for collecting coconut crabs = 2.50
- Loan for Bicycles:
  - Nelson = .50$
  - Joji (2) = 1.00
  - Kattas = .50$
  - Atling = .50$


UTERIK ATOLL.

Stevedores:

<table>
<thead>
<tr>
<th>Name</th>
<th>Hours</th>
<th>Rate per Hour</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brejin</td>
<td>11/2</td>
<td>.30¢</td>
<td>$4.40</td>
</tr>
<tr>
<td>Bank</td>
<td>61/2</td>
<td>.30¢</td>
<td>2.00</td>
</tr>
<tr>
<td>Emto</td>
<td>61/2</td>
<td>.30¢</td>
<td>2.00</td>
</tr>
<tr>
<td>Leian</td>
<td>11/2</td>
<td>.30¢</td>
<td>4.40</td>
</tr>
<tr>
<td>Aply</td>
<td>61/2</td>
<td>.30¢</td>
<td>2.00</td>
</tr>
<tr>
<td>Ijuinen</td>
<td>11/2</td>
<td>.30¢</td>
<td>4.40</td>
</tr>
<tr>
<td>Timur</td>
<td>11/2</td>
<td>.30¢</td>
<td>4.40</td>
</tr>
<tr>
<td>Atereon</td>
<td>61/2</td>
<td>.30¢</td>
<td>2.00</td>
</tr>
<tr>
<td>Ally</td>
<td>11/2</td>
<td>.30¢</td>
<td>4.40</td>
</tr>
<tr>
<td>Lalue</td>
<td>61/2</td>
<td>.30¢</td>
<td>2.00</td>
</tr>
<tr>
<td>Kaneko</td>
<td>61/2</td>
<td>.30¢</td>
<td>2.00</td>
</tr>
<tr>
<td>Kabto</td>
<td>8</td>
<td>.30¢</td>
<td>2.40</td>
</tr>
<tr>
<td>Ban</td>
<td>8</td>
<td>.30¢</td>
<td>2.40</td>
</tr>
<tr>
<td>Ataram</td>
<td>8</td>
<td>.30¢</td>
<td>2.40</td>
</tr>
<tr>
<td>Ettan</td>
<td>8</td>
<td>.30¢</td>
<td>2.40</td>
</tr>
</tbody>
</table>

N.B. - Those working 1/2 hrs. at Uterik were paid extra 5¢ each as there was not enough cash change available on the island.

Examination Helpers:

<table>
<thead>
<tr>
<th>Name</th>
<th>Hours</th>
<th>Rate per Hour</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jabon</td>
<td>32</td>
<td>.30¢</td>
<td>$9.60</td>
</tr>
<tr>
<td>Harold</td>
<td>21/2</td>
<td>.32¢</td>
<td>7.68</td>
</tr>
<tr>
<td>Kabto</td>
<td>21/2</td>
<td>.30¢</td>
<td>7.20</td>
</tr>
</tbody>
</table>

Cash payments to the above listed were made by Dr. Conard, Chief of the AEC medical team or his representative with the Magistrate of the island and one member of the TT medical team present. Payments were made to the satisfaction of all.

Comment: In view of the fact that the writer was supposedly in charge of the TT medical team and representing the TT administration during this 1963 annual medical survey, he was greatly surprised to note that the Administration at Majuro had not placed any trust or responsibility in his hands for the payments of these services but given to someone outside of our TT agency. As instructed, the statements are herewith forwarded but without responsibility whatsoever for the issuing or handling of money payments to the above hired labor both at Rongelap and Uterik.

A. HICKING, M.D.

cc District Marshalls
Dir/PH Saipan ✗
Dist. Dir/PH Marshalls

2.
High Commissioner

January 18, 1963

Special Projects Unit

Government Building on Mongelap

Mr. Macdonald's memorandum of November 28, 1963, was discussed in a meeting today with the following present:

Dr. R. E. Macdonald
Jes. T. Flakne
F. H. Moulton

Mr. Macdonald is preparing a draft for your signature to Dr. Robert Comard of IASA relative to the construction of a building on Mongelap.

Recommendations stemming from the meeting today are as follows:

1. That the Trust Territory government purchase land on Mongelap on an indefinite use rights basis. That the use rights not be transferred from the Trust Territory government, except when the land is no longer required for the purpose it was acquired.

2. That IASA be permitted to construct a building on the land acquired.

3. That the building constructed be large enough to store technical equipment under security, and large enough for a separate room which could be used for the following purposes:

   a. Examine and conference room for various government teams and officials.

   b. Community Council meeting house for the people on Mongelap.

   c. Storm shelter for the people on Mongelap.

This multipurpose room is considered necessary to offset any potential psychological effect of such a building by the people.

4. That IASA be responsible for all costs of construction, and for actual construction of the building. The Trust Territory is in no position to act as a contractor.
Memorandum

To: High Commissioner

From: District Administrator, Marshalls

Subject: Rongelap Survey 1963

This is in reply to your memorandum of December 18, 1962 and attached copies of correspondence pertaining to the 1963 Rongelap survey. Dr. Iman has been on field trip visits in the outlying islands for the past four weeks, so I have discussed the survey with Dr. Hicking and other staff members. We are prepared to meet the commitment of Trust Territory in personnel and equipment. Dr. Hicking is also prepared to head the Trust Territory team, in lieu of Dr. Macdonald and since Dr. Iman is getting ready for the public health conference in Tahiti.

We agree that if a gift is presented it should be for the community in appreciation of their hospitality. We suggest food such as rice, flour, and tinned meat. As for those involved in the extra studies, particularly in the bone marrow studies, we thought it would be a nice gesture to give each one an inconspicuous token of thanks in the way of a dozen or so fish hooks and a light fish line for bottom fishing. This could be presented in a paper bag to each person casually immediately after his turn in the laboratory. Removal of bone marrow is a painful and unusual procedure and the people are not used to it. We have received some expression of displeasure over it. Use of the word "token" of appreciation would be better than "compensation". We can discuss this with Dr. Conard when he arrives here.

Peter T. Coleman