

Radiation Studies Training Program
for Marshall Islands

for Ward Trip 1

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I Objective: To help the residents of the Marshall Islands understand radioactivity and radiation and the possible effects of radiation on human health.

II Approach: Teachers and other qualified Marshallese will be trained and prepared to convey knowledge about radiation and radiation effects to the residents of the several atolls and islands. This could be done as part of their regular classroom work and/or as part of a continuing education program for both children and adults.

III Elements of the Program

A. Training Teachers

Training of Marshallese teachers and other qualified Marshallese would be accomplished through one or more of the following:

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1. Help develop a radiation studies curriculum by participating in the curriculum development meetings presently being held ^{at Majuro} in the Marshall Islands.

2. Review & present a ~~wide~~ ^{in schools} ~~range~~ ^{wide} of gamma radiation studies, & for ^{wide} distribution to the population

3. Develop ^{and/or assemble} demonstration equipment to illustrate

properties of radioactivity, ^{radiations and} radionuclides.

4. Assemble demonstration materials to ~~the~~ illustrate biomedical topics relevant to radiation effects.

C. Measure Effectiveness of Training Program;

An important part of the program will be a continuous effort to measure the effectiveness of the program ~~in~~ in advancing the understanding of the people of radiation matters. Information gained from this will be used to alter the training program as necessary.

III Problem Areas and Areas requiring investigation

A. Language barrier - The ability of the teachers we train to speak, read & write English will impact our plan. Our classes may have to be taught in Marshallese - this will require a well qualified interpreter which is rare.

c. ~~correspondence~~ ~~for~~ ~~access~~, ~~given~~ ~~to~~ ~~the~~ ~~parents~~
and when ~~the~~ teaching ~~them~~ at their home
islands will need to ~~be~~ provided.

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III. Elements of the Program

A. Training Teachers

Training of Marshallese teachers and other qualified Marshallese would be accomplished through one or more of the following:

1. ^{is} Help develop a radiation studies curriculum by participating in the curriculum development meetings ^{currently} ~~presently~~ being held at Majuro in the Marshall Islands;
2. ^{is} Teach a radiation studies course in the continuing education program for teachers ~~that is~~ conducted at Majuro;
3. ^{is} Bring teachers to PNL or other national laboratories on a rotational basis for about one month of classes and laboratory

experience with radiation instruments, etc.;

4. ^{ing} Develop a special radiation studies program at Majuro for ~~the~~ specific purpose of training teachers and others.

Developing

B. Teaching Materials

[^] Various teaching aids would be developed. ^{at least} these aids would include ^{the} following:

1. ^{ing} Write and print ^{books} books for Rongelap, Utirik, and other Marshall Islands as appropriate. These ^{books} would ^{continue} be a continuation of the Enewetak and Bikini series.
2. ^{ing} Write and print ^{ing} a general text for ~~use in~~ radiation studies in schools and for wide distribution to the population;
3. ^{ing} Develop and/or assemble ^{ing} demonstration equipment to illustrate properties of radioactivity, radiations, and radionuclides;
4. ^{ing} Assemble demonstration materials to illustrate biomedical topics relevant to radiation effects.

C. Measure ^{ing} the ^{the} Effectiveness of Training Program

An important part of the program will be a continuing effort to measure ^{its} ~~the effectiveness of the program~~ in advancing the ^{people's} understanding ~~of~~ ^{of} ~~the people~~ of radiation matters. Information gained from this will be used to alter the training program as necessary.

III. Problem Areas and Areas Requiring investigation

A. Language barrier

The ability of the teachers we train to speak, read, and write English will ~~impact~~ ^{affect} our plan. Our classes may have to be taught in Marshallese--this will require a well-qualified interpreter, ~~which is rare~~ ^{which is difficult to find.}

B. Forum for getting information to adults and children

School classes and adult education classes are possibilities ^{avenues of} communication. The availability of ~~media, such as newspapers, and other~~ ^{other means} ~~existing activities~~ ¹ for disseminating information about radiation needs to be explored. ^{These might include newspapers, and existing community activities.}

C. Compensation for teachers

Salaries and expense^s of teachers during training periods and when teaching at their home islands will need to be provided.

REPOSITORY P.N.N.L.
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Program Plan

DOCUMENT DOES NOT CONTAIN ECI

Reviewed by DJ Krishna Date 4/30/97