

Date August 27, 1980 409928  
To Bill Bair and Ray Baalman  
From Carl Unruh *Carl M. Unruh* **R**  
Subject Marshall Islands Radiation Training Program

In support of the ideas contained in Bill's outline of July 28,  
the attached presents some questions that we should attempt to  
answer in our upcoming trip. Particularly, we need to determine  
what methods can be effective in communicating radiation pro-  
tection knowledge to the Marshall Islands people.

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attachment

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**AUG 29 1980**

**W. J. BAIR**

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Reviewed by *D. Krusev* Date 5/1/97

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## SOME MARSHALL ISLANDS THOUGHTS

I suggest the following may help our thinking and information gathering mission to Majuro next week. I see our mission as primarily one of listening, however, we will have to ask the right questions to stimulate discussion and to generate the information we need. Typical questions that we need to consider are as follows:

- What are effective ways to teach students?
- What grade level of students should we design the programs for?
- What techniques can be used to reach adults?
- How much classroom time might we plan on for this effort?
- How effective are demonstrations in helping the teaching effort?
- Would a simple textbook be effective?
- Would charts of moderate size assist in the teaching?
- Could other visual aids be helpful?
- What is the best help we could provide for teachers?
- Would a special course on meetings for community leaders and group chiefs be helpful?
- Could special sessions for these leaders and chiefs be repeated to assure understanding and knowledge?

If our program proceeds along the lines of providing teacher training and teaching materials, how should we best proceed? I suspect it would be most effective for us to train the teachers at Majuro. Such a site would be less distracting for them and would assure that our material was delivered in a Marshall Island environment. I suggest for this instruction we might take special equipment for demonstrations such as alpha, beta, and gamma sources and corresponding detection instrumentation. It would not seem feasible to propose such instrumentation for routine use in the classroom due to lack of maintenance capabilities

and harsh environmental conditions. It might be feasible through a well-written, simple text to use the text for reading instruction as well as radiation knowledge transfer, dependent upon the grade level used. I suspect, in the final analysis, our best course will be:

- to provide a simple text
- supporting lecture charts
- teacher training in their use.