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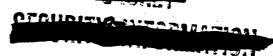
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In general the program will be administered along the following lines:

The basic network, as proposed, consists of 96 stations located at facilities operated by the U. S. Weether Buresu, the Air Force and the U. S. Department of State.

Heat of these stations will collect duplicate fallout samples using the gamed paper technique. Sellectors would be changed every 2h hours and the samples ferwarded to New York for radiometric evaluation. Sellections would begin towards the middle of October and continue for an indefinite period beyond the second IVI detonation, the exact length of time to depend on the findings.

Within this network there will be appreximately a dosen air campling stations divided equally between Sentimental United States and the Pacific Islands in the annulus 500-1000 miles from Enimetek (the exact location of the Pacific stations will be decided at a later date.)

In order to obtain information on fallout at the localities is impossibly beneath the cloud trajectories, the network of fixed monitoring stations will be sugmented by mobile units based as follows:

## HOHULULU:

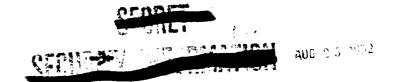
It is proposed that a member of the Health and Safety Division of the New York Operations Office be assigned to Pearl Harbor and that six Nevy or Air Force personnal be assigned for possible nonitoring operations in the Magnilen Islands. It will be desirable but not essential that the individuals have had some radiological training. On the basis of past experience, they can be trained for their mission in 2-3 days. The individuals then will be held in readiness in the event the sloud trajectories warrant detailed as asurements in the Hawaiian Group.

## OUAM:

Similarly, a six men unit should be assembled at Guan where a representative of the Health and Safety Division of the New York Operations Office will be assigned. Of the three bases of mobile operations, the unit at Guan appears to be

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General Clarkson



the most necessary because within its area of responsibility are islands on which fallout can be expected to occur. It is contemplated that the group at Guam will be assigned responsibility for recommaissance of the Philippines and the Carolines.

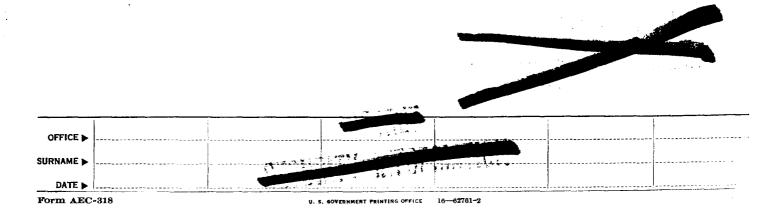
## KWAJALEIN:

A representative from the Health and Safety Division of the New York Operations Office at Kwajalein will be assigned responsibility for recommissance of that portion of the Marshalls beyond the cognisance of the Task Force, and the Gilbert Islands. This individual will be assigned responsibility for limits with Task Force 132. He will also be responsible for limits with Atomic Energy Commission's operations at Guam and Honolulu.

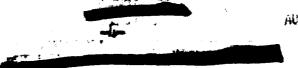
Dased on our recent discussions with Commander Maynard, personnel and equipment limitations at Ewajalain may require that the staff and facilities of the Radsafe Officer be mutually utilized; however, it appears highly desirable that no less than six non-commissioned personnel be assigned to our monitoring mission.

Ideally, the mobile terms should obtain the kind of data which have been collected during the past two series of tests in the United States. It is proposed that the terms be completely equipped by the Atomic Energy Commission for the type of measurements we have made in the past, but because of operational difficulties inherent in the South Pacific, their actual mission should be determined in the field by the NYOU representative in charge. In some instances it may be feasible to collect complete data beginning prior to the arrival of the cloud, but it is more likely that our mobile operations will often consist of after the fact background radiation measurements.

To complete the picture of this world-wide fallout monitoring program as now envisioned there is attached a list of stations that will probably be in operation. This list is subject to minor



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chang a after further conferences with the U. S. Weather Dureau and Department of State. The W. S. Air Force stations indicated are actually Air Weather Service installations located at these bases and their participation will be under the direction of the V. S. Weather Aureau.

Very truly yours,

John C. Bugher, M.D. Director Division of Biology and Medicine

Addressee - 1A ce: Cadr. Maynard \_ 24 Hr. Eisenbud, NTOO \_ 3A Captain Haight, DKA \_ LA Biophysics - 5A 6,7,8 - B&M Files berra Chi

