CUPY

594200087730000 DUDUMENT#

## Tendquarters TABK GROUP 7.4, PROVIDIONAL United States Air Force Tirtland Air Force Base, New Mexico

411390

21 Bovember 1957

SUBJECT: Rediction Douges for Task Group 7.4 Personnel During RARDTACK

TO:

Coursesder

Joint Task Porce SEVER ACTH: Major Richie Nashington 25, D. C.

- 1. We have completed an autimate of radiation dosages to be secrived by Each Group 7.4 personnel during Operation EARDTACK. Besults indicate that only aircrews of sumpling aircraft and possibly of Program 5 affects aircraft can be expected to be exposed to radiation dosages greater than the normal sperational limit established by JTF SEVEH for JTF SEVEH personnel during REIVING. This limit was published in Annax K, JTP SEVEH Operational Plan 1-56, and was extablished at 3.9 rountgons (3.9r) for any 13-week period.
- 2. We understand that requests for special maximum permissible exposures (MPR's) for Program 5 aircrews, if required, will be referred to your Bankquarters by projects concerned through Tank Group 7.1 channels.
- 3. Buring REDVIES a limiting dosage of twesty rountgens (EDr) was established for sampler cross. In actual fact, however, sampler cross schieved an average exposure of 5.9 rountgens (5.9r) per man and the maximum individual exposure was 9.8 rountgens (9.8r) while sampling. In addition, as did everyone else on Enivetok Island, these individuals received about two rountgens (2r) per man from accidental fallout during the operation.
- 4. We believe that the average sumpler ever member during HARDIACK will have to be exposed to greater total rediction exposure than this average crosses during HERVIEG. There are two (2) reasons for this:
  - a. There are more shots to be sempled.
- b. There are more shots at Bikini, where the dosuge is greater than at Enivetok because of the greater fly-home distance.
- 5. We expect that the average exposure for compler cross at HARDTACK will go to approximately eight roomtgens (Sr) and the maximum for any individual may go as high as twelve roomtgens (LPr) exclusive of possible socidental fallout on Emisstok. Of course, by careful

BEST COPY AVAILABLE

DOMPRIMED TO BE UNCLASSIFIED DOMOFFICE OF DECLASSIFICATION FORDVES ADC.

Racaputto 10 4.97

975A2DA000134

JUPY

scheduling, we will hold exposures down to the minimum possible for each individual concerned. Miscalculations of one kind or another, however, may take place. In recognition of this factor, we would like to consider that any doesgo in excess of twenty rountgens (20r) will be considered as everexposure which must be accounted for and explained by supervisory personnel.

- 6. Many of our sampler aircrew personnel who will perticipate in EARDIACK received rediction documes during sempler operations during FLUXCHOR. The maximum exposure received by any one individual during FLIBERCE was 6.3 recentgens (6.3r) and, of course, the bulk of this was received during the twelve (12) months preceding HANDTACK. In scheduling our aircrave at EAKDTACK, we will take PLIMERCS doesnes into account as much as possible to minimize the dosage received by any one individual. during the preceding twelve (12) month period.
- 7. There is also a remote possibility that sample recovery crows may require a special exposure limit for EARDYACK. Any special MFE for sample recovery areas would not exceed 5.0r for the eperation. We will not request additional exposure for these personnal maless the operational dosage limits to be established by your Readquarters appear to be inadequate for semile recovery exerctions.
- 8. During MARDIACK, in addition to the normal sampling effort, VB-50 weather recommaiseance grows will be performing low altitude sampling in support of Project 2.6B. At this time we have no adequate method of predicting erew exposure but we expect that they will be ecnsiderably less than the B-57 sampler erew exposure. They may, hovever, exceed any meninal MPE (such as the 3.9r established during REDVING) which may be established by your mediguarters for HARDTACK perticipante.
- 9. With your someurrence, we intend to operate on the besis of a twenty roentgen (20r) maximum exposure limit for all sempler niveress during RARDIACK and, in our scheduling, will give due consideration to erev exposures received during FLUXCEOB.

/s/ PAUL R. WHOMALL Colonel, UBAT Deputy Commander

Copies to:

10

CINCEAC, ATTM: No. Weller COMARDO, ATTN: Staff Surgeon

EDSTT, Maj Markhan

CRG 7.1, ATTH: Maj Jacks Er. Plank

CTG 7.5, ATTE: Mr. Gooks

Condr., 4025th STRATHECOMRON, ATTN: 14 Col Cody

Condr. TAU Condr, 4926th

