

REPOSITORY PNL  
COLLECTION I-131 Atmosphere  
BOX NO. IC Nelson  
FOLDER 0/A

712557

September 30, 1963

F. Swanberg, Jr.  
Manager  
Internal Dosimetry

MONTHLY ACTIVITIES REPORT  
SEPTEMBER, 1963

1. A listing of each thyroid counter measurement made on each of the volunteer participants in the In Vivo I<sup>131</sup> study was prepared and delivered to Composite Dose Studies and Records. Similarly, each measurement was logged in the IDO WBC alphabetical file.
2. The first round of WBC measurements of the Richland Surveillance Program was completed with the examination of the ~~DELETED~~ family (3 members), ~~DELETED~~ family (2 members) and the 2 additional members of the ~~DELETED~~ family. The next examination of these participants is scheduled to begin in December.
3. The cooperative project with EDO and CDS&R relative to data processing of RPO radiation exposure data was continued.
4. Current changes desired in the Bioassay EDP program were delivered to DPO. Completion of these changes will be delayed in favor of programming associated with the quarterly badge change.
5. Various pieces of electronic equipment were obtained and lead bricks were ordered to permit development of a mobile thyroid monitor. The electronics are in the process of being checked out by the instrument technicians.
6. An aerial survey was conducted on September 2, 1963 at the request of E. C. Watson in connection with an unusual I-131 release from the Separations facilities commencing that day.
7. Participation was volunteered in Na<sup>24</sup> calibration of mobile and dual crystal whole body counters.

Activities for October

1. Obtain releases from Ringold residents for open literature production of Ringold paper.

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2. Continue development of mobile thyroid monitor.
3. Complete feasibility study for automated organ dose determination from internal emitters.

Visitors

Gerard Laurer from the Institute of Industrial Medicine, New York University Medical Center visited and discussed whole body counting and other activities with D. N. Brady and the writer. Carl Corbitt, AEC, was in IDO on a training tour.

N  
Senior Engineer  
Internal Dosimetry

IC Nelson:bk

cc: ICN-File  
Letterbook

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