

SAN FRANCISCO NAVAL SHIPYARD  
SAN FRANCISCO 24, CALIFORNIA

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NAF

Serial: 00048

**[REDACTED]**

From: Commander, Naval Shipyard, San Francisco  
To: Chief of the Bureau of Ships (Code 400-689)  
Chief of the Bureau of Medicine and Surgery (Code 74)  
Chief of the Bureau of Aeronautics (Code AE45)  
Chief of the Bureau of Yards and Docks (Code D4)

Subj: Monthly Progress Report of Radiation Laboratory for Month  
of January 1948; Submission of

Ref: (a) BuShips-BuMed SECRET ltr S(99) BuShips ser. 005800,  
BuMed ser. 005001 of 18 February 1947

Encl: (A) Radiation Laboratory Administrative Progress Report  
for Month of January 1948  
(B) Radiation Laboratory Technical Progress Report  
for Month of January 1948  
(C) Radiation Laboratory Radiological Safety Progress  
Report of January 1948

not  
attached

attached

1. Enclosures (A), (B) and (C) reporting progress of Radiation Laboratory  
for the month of January 1948 are submitted herewith in compliance with  
reference (a).

*Philip Lemler*  
PHILIP LEMLER

Contains no U.S. Navy Classified Information  
IAW OPNAVINST 5513.16.

Signature: *James V. Vates*

Code: *N312Q* Date: *8 Feb 95*

**[REDACTED]**  
**[REDACTED]**

I. SUMMARY OF ACTIVITIES OF THE RADIOLOGICAL HEALTH SECTION

(A) Radiological Safety

(1) Physical Examinations

(a) 24 initial physical examinations and 100 recheck examinations were made by the Radiological Safety Health Officer at this activity.

(2) Inspections

(a) Weekly inspections of all radiological facilities were conducted from the standpoint of radiological safety. No major discrepancies were noted.

(3) Facilities

(a) The change house on the first deck of building 507 is in full operation and is found to be eminently satisfactory.  
(b) Other temporary housing facilities for laboratory spaces etc., are adequate.

(4) Lectures

(a) Lectures on Radiological Safety have been given once a week to shipyard personnel who are directly concerned with shipboard radiation hazards.  
(b) Dr. Petrakis is temporarily assigned to the duties of the Radiological Safety Health Officer during Dr. Carlson's leave period.

(B) Dosimetry

(1) 248 film badges were developed during the month of January. No exposures in excess of tolerance to Beta and Gamma radiations were noted.

(C) Clinical Radiochemistry

(1) Analysis was made on a flour sample showing high activity from the USS PENSACOLA.

(2) Comparisons of various methods for analysis of plutonium and fission elements in biological material continued. Accuracy and applicability of the methods are being studied.

(D) Training

(1) Mr. Shapiro (Biologist P-3) continued a series of lectures on electronics.

(2) Mr. Marshall presented a lecture series on spectroscopy and spectrophotometry.