

BUREAU OF MEDICINE AND SURGERY
SUPPLEMENTAL REPORT OF HUMAN RADIATION EXPERIMENTS
28 October 1994

I. Introduction.

A. This is a supplemental report to the March 31, April 29, 26 May, 15 July 1994 and 31 August 1994 responses to the Assistant to the Secretary of Defense (Atomic Energy) request for a DOD-wide review of Human Radiation Experiments.

B. This report addresses specific requests from the Advisory Committee and summarizes search activities for the month of September and October. It reports results of the Secretary of the Navy archive search, and scope of Naval Radiological Defense Laboratory and Office of Naval Research archive searches. One additional study is reported. This brings the total of Navy studies identified to 817.

C. An index of documents identified in the search of the Secretary of the Navy archives are provided in section III. Copies of the documents are attached. As requested by the Advisory Committee, requests for non-radiation related experiments are included to demonstrate the SECNAV review process was functional.

II. Specific Advisory Committee Requests:

a. Don Weightman 1 September 1994 Memo requested:

(1) A copy of the Manual of the Medical Department (1952), Article 1-17, Sec IV, MANMED 1-11, 1966, AND MANMED 20-8, 1968. Copies are attached. In addition copies of BUMED INSTRUCTION 6710.49 and 6710.49A which pertain to human use drug testing and obtaining consent are attached.

(2) A copy of the U.S. Navy Medical News Letter for 22 August, 1953. A copy is attached.

b. Dan Guttman and Jim David discussion in June requested copies of Command Histories for the Naval Radiological Defense Laboratory. 30 June search of San Bruno archives yielded histories for years 1958 through 1965, copies of 1966 to 1969 were not found. Copies of the 1958 through 1965 histories were provided in the July Report.

c. Dan. Guttman and Jim David discussion of 16 September 1994 requested:

(1) Copies of command histories of the Naval Radiological Defense Laboratory for years 1966 through 1969 when the laboratory closed. September search at Navy Historical Center yielded histories for 1958 through 1968, 11 reports. Copies of the histories for years 1966 through 1968 are attached. Apparently the lab did not prepare a history for 1969 when it closed.

(2) Copies of classified histories of Naval Radiological Defense Laboratory located at the Naval Historical Center. Per the Naval Historical Center, command histories were initiated in 1958. The 1958 history was to include events from WW II through 1958. Subsequently, commands submit only one history per year. If it contains classified information it is classified, if not it is unclassified. The Naval Historical Center holds 11 histories for NRDL. None of the NRDL histories were classified, see attached letter from Head, Operational Archives Branch, 5750, Ser AR/2154 dated 26 October 1994.

(3) Listing of the National Archives and Federal Record Center record group holdings that have been searched. Copies of the listings from the National Archives and Federal Records Centers at Suitland, San Bruno and Saint Louis are provided in Section V. To date, 1,480 cubic feet of records held in the Federal Records Centers and National Archives have been searched. This is in addition to the holdings at each of the individual commands and headquarters.

(4) Review and comment on a June, 1, 1962 research proposal to the Defense Atomic Support Administration for funding to investigate the possibility of identifying some biological parameter that would serve as a biological dosimeter. Proposal requested funding to study variations in the pattern of excretion of urinary amino acids in patients exposed to total body irradiation for therapeutic purposes. Background statement referred to urines collected from 17 patients.

(a) We are not aware of any whole body irradiations occurring between 1963 and 1967, the time of the proposed funding. All of our searches indicate only two series of whole body patients have been treated at National Naval Medical Center. These have been previously reported, NNMC-34 and NNMC-87. The work with the 17 patients referenced in the proposal would be consistent with those treated by Dr. E. Richard King and reported in the open literature. The proposed taurine work would be consistent with previous NAVY work reported in the open literature, NNMC-88. We have no indication of Dr. Burkle's proposal being approved or of the work being performed. Our literature search for work performed by Dr. Burkle fails to show such a project and Captain Burkle does not remember if it was performed.

d. Sandra Thomas and Dan Guttman FAX of 12 August 1994 forwarded abstracts from the National Archives of extramural work apparently funded by Naval Research. FAX asked if additional records could be located. Records at the Office of Naval Research have been searched and the Universities funded have been asked to search their records. Office of Naval Research records stored at the Suitland National Archives have been searched. Extra-mural work identified by these searches is being catalogued and will be reported in the next supplemental report.

III. Search. The following search activities have been completed since the last report. 240 person-days were expended in search and staff activities during this reporting period bringing the total time expended to 1,970 person-days. Approximately 1,480 cubic feet of records at the various archives have been researched plus the holdings at each of the individual facilities.

A. The Secretary of the Navy's Administration Files Branch has completed its search of the Secretary of the Navy's archives. Results are summarized in Section IV and copies of the articles are attached .

B. The Naval Radiological Defense Laboratory files at the San Bruno National Archives for years 1946 to 1953 have been searched. These files were not previously researched because oral statements by principal researchers indicated no human experimentation was performed while they were at the laboratory, 1946 through 1953. These records have now been searched. Only one additional experiment was identified, involving the two researchers as test subjects. A copy of the documentation follows the abstract.

C. The Office of Naval Research files in the Suitland National Archives have been searched, approximately 750 cubic feet of files. Documents are being copied and cataloged and will be reported in the next supplemental report.

IV. Findings.

A. Secretary of the Navy's Administration Correspondence Re: Human Research

The following documents were identified in the search of the Secretary of the Navy's archives which relate to human research. As requested, documents include radiation and non radiation research.

Date	Subject
18 JAN 1950	Authority for medical study involving naval personnel, request for
22 MAR 1951	Volunteer medical research subjects: Proposal concerning commendations and record entries
03 APR 1951	Volunteer Medical Research Subjects: Proposal Concerning Commendations and Record Entries
16 JUL 1951	Use of humans in experimental studies in the burn program
07 DEC 1951	Request for authority to utilize human volunteers for experimental research

13 AUG 1959	Authorization for use of radioisotopes in human volunteers; request for
26 AUG 1959	Experimental studies of a medical nature involving persons in the Naval Establishment (Project "Evaluation of Physiological Hazards Produced by Explosive Decompression in Naval Aircraft")
08 SEP 1959	Shelter Habitability Tests; request for approval for
23 MAR 1960	Joint Committee on Atomic Energy Hearings on Radiation Standards
25 NOV 1960 -	Radiation Protection Criteria and Standards; Their Basis and Use-Summary-Analysis of Hearings May 24, 25, 26, 31, June 1, 2, and 3, 1960--Special Subcommittee on Radiation of the Joint Committee on Atomic Energy--Committee Print, Forwarding of
28 APR 1969	SECNAVINST 3900.39, Use of volunteers as subjects in research, development, test and evaluation
25 NOV 1977	Human Experimentation, Draft SECNAV Instruction 3900.39A
15 FEB 1978	Ltr: National Commission for the Protection of Human Subjects of Biomedical and Behavioral Research
20 MAR 1978	Protection of Human Subjects
10 JUL 1978	Ltr: Committee on Science and Technology to Defense Secretary Harold Brown
16 SEP 1978	Ltr: Assistant Secretary of the Navy (Research, Engineering and Systems) to Chairman, Institutional Review Board
21 DEC 1978	Protection of Human Subjects
-- JAN 1980	Claim of Wanda Seveney
24 JAN 1980	Protection of Human Subjects (SECNAV Instruction 3900.39A)
28 APR 1981	Ltr: RADM Kauderer to Senator Bob Packwood
26 APR 1982	Use of human subjects in decontamination station design criteria project; approval of

21 JAN 1983	Approval for Use of Human Subjects in Decontamination Station Design Criteria Project
11 APR 1983	SD Form 106: Protection of Human Subjects in DOD-Supported Research
21 APR 1983	Occupational Radiation Protection Program
08 JUN 1983	Model Federal Policy for Protection of Human Subjects
27 FEB 1984	Protection of Human Subjects
03 APR 1985	Protection of Human Subjects