

ATTACHMENT TO 11/4/94 LETTER TO CAPT GEORGE FORWARDING NAVY
RECORDS FROM ENTRY #346A OF RG #330

-- 1950-1954 progress reports to the RDB on projects at the Naval Medical Research Institute, National Naval Medical Center, Bethesda, concerning the medical aspects of atomic warfare (RDB Technical Objective AW 6). Some of the projects were conducted by outside contractors, such as Dr. Evans at the Medical College of Virginia. Many of the projects involve animals, including some at various nuclear weapons tests. The only project appearing to involve humans is one on using a thermal radiation generator for flashburn studies on animals, and planning to use it for such studies on human subjects (first mentioned in the 2/15/50 report). Later reports are unclear whether such studies were conducted. However, the 3/1/52 report indicates that two investigators have formulated a plan for inflicting small area burns in human subjects to study sludged blood in burns. Later reports do not specifically mention whether these were carried out. With respect to both questions, the answers might be in the published articles listed under each project.

-- 1950-1954 progress reports to the RDB on projects at the Naval Hospital in Oakland concerning therapeutics (RDB Technical Objective PO 16). The only project appearing to involve humans is one on the use of I-131 in thyroid disorders. One study involving the effect of radiation on antibody production in humans was suspended in 1952 because no suitable patients were found.

-- 1950-1954 progress reports to the RDB on projects at the Naval Radiological Defense Laboratory concerning medical aspects of atomic warfare (RDB Technical Objective AW 6). Many of the projects involve animals, including some at nuclear weapons tests. The only project appearing to possibly involve humans is one studying burns in animals and man (first mentioned in the 6/30/50 report). Later reports have detailed discussions on experiments under this project involving animals, but no mention is made of experiments involving humans. Again, the answer to this might be in the published articles listed under the project.

-- 1950-1954 progress reports to the RDB on projects at the Naval Hospital in Bethesda concerning therapeutics (RDB Technical Objective PO 16). Projects involving ionizing radiation and humans include the use of P32 in treatment of polycythemia vera; I131 in tracer studies and the treatment of thyroid disorders; radioactive di-iodoflouresin in diagnostic studies; radioactive tracers in studying blood flow; and use of S35 labeled sulfate to measure extracellular fluid. The last report (dated 3/1/54) also describes plans (subject to the approval of the AEC) to use carbon labeled insulin in renal function tests in "a limited number of patients with a short life expectancy" to determine if any of it is metabolized. There was also a project involving a retrospective study of humans who had received thorstat some years earlier.

-- 1954 progress report to the RDB on projects at the Naval Hospital in St. Albans concerning therapeutics (RDB Technical Objective PO 16). The only project appearing to involve humans is the use of radioactive tracers in diagnostic studies.

-- 1952-1954 progress reports to the RDB on projects funded by ONR concerning thermal burns and blast injury (RDB Technical Objective AW 6). Many of the projects involve studying burned patients, but it is not possible to determine whether any of the burns were intentionally inflicted. Again, the answer might be in the published articles listed under the project.

-- 1950-1952 progress reports to the RDB on projects funded by ONR concerning research and development of BW agents (RDB Technical Objective BW 5). The only project appearing to involve humans is one mentioned in the 1/1/52 report under which it was planned that a certain antigen be tested in volunteers for toxicity and protectiveness.

-- 1952 and 1953 progress reports to the RDB on a project funded by ONR concerning therapeutics (RDB Technical Objective PO 16). Specifically, the project entailed the testing on patients at the Addiction Research Center of the Public Health Service Hospital in Lexington, Kentucky, of a synthetic analgesic to replace codeine. This project was cancelled in 1953.

-- 1950-1952 progress reports to the RDB on projects funded by ONR concerning the effects of radiation on living organisms (RDB Technical Objective AW 6). One project at the University of Kansas, among other things, compared the deposition of radium in rat and human bones. No information is given on how this study of human bones was conducted. Again, the answer might be in the published articles listed under the project.

-- 1949 and 1950 progress reports to the RDB on projects funded by ONR concerning clinical and nutritional biochemistry (RDB Technical Objective PO 16). The section on a project at the University of Pennsylvania describes, among other things, "an unreported series of experiments ... on human subjects to determine the relationship between respiratory minute volume and arterial and internal jugular blood pH and pCO₂ during inhalation of increasing concentrations of carbon dioxide." A project at the University of California involved, among other things, studying inhaled radioactive carbon monoxide in humans and the distribution of various radioactive isotopes in humans.

-- 1950-1954 progress reports to the RDB on projects funded by ONR concerning the physiological basis for treatment and rehabilitation (RDB Technical Objective PO 16). The 7/1/50 report describes Dr. Evan's work at the Medical College of Virginia using P32 to study fluid and ionic exchange in the post-operative and post-traumatic state. The 1/1/54 report describes work at the Worcester Foundation for Experimental Biology. Among other things, this section discusses the effects of LSD on normal subjects. However, no information is given on when or where these tests were conducted.