

[Handwritten initials]
 HMP

PNL-9105

bcc: JJ Fuquay
 RS Paul
 WE Wilson
 CEN - daily
 CEN - Lb

RECEIVED

JUN 4 - 1968

R. S. PAUL

May 31, 1968

Dr. Ralph M. Baltzo, Director
 Radiological Safety Division
 University of Washington
 Seattle, Washington 98105

Dear Dr. Baltzo:

In reference to your letter of May 28, the information you request in paragraphs 2 and 3 has been referred to Dr. Wilson for direct reply. Dr. Wilson is the manager of the unit responsible for that portion of the study.

The profile material which you requested on Frank Rising has been forwarded to you by separate letter a few days ago. The personnel associated with the project have already been identified to Dr. Paulsen by the Deputy Director of Battelle-Northwest, Dr. R. S. Paul, in his letter of November 30, 1967. I am enclosing a copy of this letter as it not only identifies the personnel, as you request, but additionally it defines the extent of Battelle's participation in supporting Dr. Paulsen's project. I am confident that Ken Swinth and Frank Rising can competently verify the dosimetry and maintain the equipment for operation by University of Washington personnel.

Sincerely yours,

ORIGINAL SIGNED BY
 C. E. NEWTON, JR.

Manager
 Biophysical Sciences Section
 ENVIRONMENTAL AND RADIOLOGICAL
 SCIENCES DEPARTMENT

CE Newton, Jr.:np

Enclosure

0008974

REPOSITORY PNL
 COLLECTION Prisoner Study
 BOX No. 2947
 FOLDER HSC 67-2

UNIVERSITY OF WASHINGTON
SEATTLE 5, WASHINGTON

May 28, 1968

Battelle Pacific Northwest Laboratories
Biophysical Sciences Section
P. O. Box 999
Richland, Washington 99352

Attention: Carlos Newton, Manager

Dear Mr. Newton:

In order to facilitate consideration by the University of Washington Radiation Safety Committee of Dr. C. Alvin Paulsen's experimental program at Walla Walla State Penitentiary, it is necessary to request additional data relevant to the neutron exposure studies already performed and reported by Mr. Kenneth Swinth in the US-AEC Research & Development Report BNWL-589 entitled "Fast Neutron Medical Research Facility Dosimetry", October, 1967.

The Committee is concerned about what appears to be an anomalous exposure to the lens of the eye during irradiation at 2.5 MEV. May we suggest that additional measurements be made in the area adjacent to the eye which will establish with certainty that the exposure is unavoidable with no possibility for correction.

Likewise the Committee finds that exposure ascribed to the prostate area suspiciously low in view of our understandings of the difficulty of neutron collimation and shielding. For this reason we believe some additional supporting data is necessary before this figure can be accepted.

As indicated during our telephone conversation, May 24, some concern has been expressed over the revision of Battelle Northwest's personnel assigned to assist Dr. Paulsen in the area of neutron technology. For the record, we would appreciate receiving not only the identification of these individuals, but some additional personnel profile material which will assure the Committee and subsequent persons who may review these transactions, that the critical assignments can be carried out effectively and the responsibility can be met.

Yours truly,

Ralph M. Baltzo

Ralph M. Baltzo, Director
Radiological Safety Division

RMB:bc

cc: Peter Wootton, Chairman
Radiation Safety Committee

0008975

November 30, 1967

Dr. C. Alvin Paulsen
Associate Professor of Medicine
University of Washington
U.S.P.H.S. Hospital
Box 3145
Seattle, Washington 98114

Dear Dr. Paulsen:

I am pleased to inform you that our report on the dosimetry measurements and calibrations made at the University of Washington's fast neutron research facility was mailed to you today under separate cover. The report is BWL-589 "Fast Neutron Medical Research Facility-Dosimetry" by K. L. Swinth and L. A. Braby. The completion of this portion of the work thus concludes the active participation in this project of Dr. Walt Wilson and L. A. Braby. The support of our laboratory for the next portion of the study will be administered through C. E. Newton, Jr., Manager of the Biophysical Sciences Section.

For this phase of the project it is my understanding that BWL personnel will not operate the neutron generating equipment, but will provide the training necessary for you or other University of Washington personnel to operate the equipment before the experiments begin. During actual use with humans, Battelle personnel will merely maintain the equipment if maintenance is required and verify absorbed dose by independent dosimetry. It is understood that the University of Washington personnel will select the prisoners, obtain the written releases (which should not mention Battelle), and handle the actual operation of the equipment. Your personnel will also determine the total dosage to be received, the dose rate, and other operating requirements. It is planned to provide the services of both K. L. Swinth and F. L. Rising for the first several exposures and thereafter provide the services of Frank Rising alone, which by then should be adequate.

If the above constitutes the total participation of Battelle staff members in the experiments, it appears to our legal staff that no partnership or joint venture relationship will exist between Battelle and the University of Washington or the Walla Walla Penitentiary which would jeopardize our employees' insurance coverage with respect to the volunteers, University of Washington personnel or Walla Walla Penitentiary personnel.

0008976

Dr. C. Alvin Paulsen

- 2 -

November 30, 1967

I hope that these arrangements will be entirely satisfactory and I am confident that the project, as now outlined, will meet no further hindrances or delays on the part of Battelle.

Very truly yours,

R. S. Paul
Deputy Director

RSP:tec

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