



DOE Openness: Human Radiation Experiments: Roadmap to the Project



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Outline of a proposed Research Program July 1, 1946 to June 30, 1947,
 Radiological Research Laboratory College of Physicians and Surgeons,
 Columbia University, New York City.

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Outline of proposed research program

July 1, 1946 to June 30, 1947

Radiological Research Laboratory
 College of Physicians and Surgeons,
 Columbia University, New York City.

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RHTG # 22,986

BOX # 603

Problems to be investigated

1. Continuation of the measurement of fast neutrons for biological dosage. (Part of this work would be done at Clinton laboratories to correlate the results of our biological experiments with those obtained at Clinton.)
2. Development of a method of measuring neutron dose by chemical means. For one thing it would be very important to know whether for equal ionization, the chemical changes produced by neutrons are equal to or greater than those produced by x-rays. This would be useful in connection with the ratio x/n for biological effects.

The successful measurement of neutron doses by chemical means would greatly facilitate the determination of the distribution of tissue dose in animals of different sizes. This will have to be done in one way or another before the results of whole body irradiations of animals of different species can be properly correlated.

3. Measurement of radioactive isotopes for biological and medical applications.

The problem is essentially one of measuring tissue

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