

NOTICE OF RESEARCH PROJECT  
SCIENCE INFORMATION EXCHANGE  
SMITHSONIAN INSTITUTION

PUBLICATION BY AEC  
HEREBY AUTHORIZED

PROJECT NO. (Do not use this space)  
GPE 978 C1  
AT(30-1)3455

ACI

Division of Biology and Medicine

SUPPORTING AGENCY:

UNITED STATES ATOMIC ENERGY COMMISSION

NAME AND ADDRESS OF INSTITUTION: Please state also the Division, Department, or Professional School (medical, graduate, or other) with which this project should be identified:

University of Rochester, Rochester, New York

71B766

TITLE OF PROJECT A continuing program of medical examinations of the eight survivors of the Los Alamos radiation incidents of 1945 and 1946

Give names, department, and official titles of PRINCIPAL INVESTIGATORS and OTHER PROFESSIONAL SCIENTIFIC PERSONNEL (not including graduate students) engaged on the project, and fraction of man-year devoted to the project by each person.

Louis H. Hempelmann, Dept. of Radiology

How many graduate students on project? \_\_\_\_\_ How many graduate student man-years? \_\_\_\_\_

SUMMARY OF PROPOSED WORK - (200 - 300 words. Omit confidential data.) Summaries are exchanged with government and private agencies supporting research, are supplied to investigators upon request, and may be published in AEC documents. Please make your summary SUBSTANTIVE, giving initially and for each annual revision the following: OBJECTIVE; scientific BACKGROUND or REASON for study; proposed PROCEDURE; TEST OBJECTS and AGENTS; and RESULTS TO DATE if any.

NO SUMMARY HAS BEEN PROVIDED  
FOR USE OF  
SCIENCE INFORMATION EXCHANGE

REPOSITORY DOE Records Ctr  
COLLECTION 2724, Terminated & Cut off Contract  
BOX No. 6564  
U. of Rochester, Folder IV  
FOLDER Louis H. Hempelmann (70-1)

Period for this NRP			
<u>8</u>	<u>-</u>	<u>65</u>	to
<u>2</u>	<u>-</u>	<u>67</u>	
mo	yr	mo	yr
Sub-group		<u>A</u>	<u>M</u>

For Period:

	Program Category Number
Budget	
Primary	
Secondary	

Signature of Principal Investigator \_\_\_\_\_ Date \_\_\_\_\_

INVESTIGATOR—DO NOT USE THIS SPACE

OCT 19 1966

GPE 978  
978 C1

Period  
8/64 - 8/65  
8/65 - 2/67

Amount  
\$8,000  
No add funds

4004390

Prepared for the Science Information Exchange.

Not for publication or publication reference.

U. S. Department of HEALTH, EDUCATION, AND WELFARE PUBLIC HEALTH SERVICE

NOTICE OF RESEARCH PROJECT

PROJECT NO. (Do not use this space)

7GX-614-05

7-RH-210-05

TITLE OF PROJECT

Neoplasms in Children Treated with X-rays

GIVE NAMES, DEPARTMENTS, AND OFFICIAL TITLES OF PRINCIPAL INVESTIGATORS OR PROJECT DIRECTORS AND ALL OTHER PROFESSIONAL PERSONNEL ENGAGED ON THE PROJECT.

L.H. Hempelmann, M.D. Principal Investigator, Dept. of Radiology
J. Pifer, Co-investigator, Dept. of Radiology
R. Pincus, M.D., Dept. of Medicine
Z. DePapp, M.D., Dept. of Medicine

NAME AND ADDRESS OF APPLICANT INSTITUTION

University of Rochester School of Medicine and Dentistry, Rochester, N.Y.

SUMMARY OF PROPOSED WORK - (200 words or less - Omit Confidential data.)

In the Science Information Exchange summaries of work in progress are exchanged with government and private agencies supporting research in the bio-sciences and are forwarded to investigators who request such information. Your summary is to be used for these purposes.

Several populations treated with x-rays in infancy and childhood are being kept under surveillance many years after exposure. The incidence of neoplasms, particularly those arising in the thyroid gland, is exceedingly high and a definite dose response has been shown to occur in both thyroid and extrathyroid neoplasms. Although data on tumor incidence has been collected in the past by mail questionnaire, we are now examining several subgroups with an especially high risk of developing thyroid neoplasms. In one subgroup, the projected incidence of thyroid nodularity is almost one in three. When malignancy is suspected, surgery is recommended and, in other cases, the nodules are either treated with thyroid hormone or kept under careful observation. Special tests of thyroid function are being undertaken in persons with thyroid nodules and operative tissue from one patient has been grown in tissue culture.

Period for this MRP
4-67 to 3-68
mo yr mo yr
Sub-group IR VR

PROFESSIONAL SCHOOL (medical, dental, etc.) WITH WHICH THIS PROJECT SHOULD BE IDENTIFIED
Medical School

SIGNATURE OF PRINCIPAL INVESTIGATOR

L.H. Hempelmann

DATE

Dec. 19, 1966

Table with columns: Proj. No., Period, Amount. Includes rows for 'PREVIOUS FINDING' and 'MAY 11 1967' with handwritten entries.