

DOCUMENT SOURCE Lawrence Berkeley Laboratory Archives and Records Office SCIENTISTS' PAPERS:	
Records Series Title	CORNELIUS TOBIAS
Accession No.	434-89-0100
File Code No.	10-B-103
Carton No.	34
Folder No.	SUBCOMMITTEE RADIOBIOLOGY
Notes	HUMAN USE @ UNIV. OF PA
Found by	KAREN HOLMES
Dates	

COPY

715312

June 8, 1953

Dr. R. C. Gibbs, Chairman
Division of Physical Sciences
National Research Council
2101 Constitution Ave.
Washington 25, D. C.

BEST COPY AVAILABLE

Dear Dr. Gibbs and Dr. Friedell:

I have reviewed the request from the University of Pennsylvania for renewal of a research project which you mailed to me on May 20, 1953. My comments are as follows:

(1) The project under discussion will suffer considerably during the year 1953-1954 because of the absence of two of the chief radiobiologists. In addition, the only biochemist associated with the project, who had an important role in the blood coagulation work, is also leaving. I expect the effectiveness of the project to suffer in the absence of these investigators.

(2) With regards to the proposal for continuation of research, I regard projects 1 and 5 as most worthwhile. Project 1, Studies of Blood Coagulation, is a very important aspect of radiation syndrome. Finding factors which increase prothrombin consumption in the blood coagulation process are of definite interest, although it is possible that the brain factor isolated by the Pennsylvania group is the already known cephalin.

The studies of irradiated skins of human subjects are worthwhile projects because of the competence of the group related to humans. Projects 2, 3, and 4 seem to be of less interest since investigations with identical aims are already being carried on in several highly competent research laboratories.

(3) The chief value of the Pennsylvania project to the U. S. Armed Forces during the last few years, and probably during next year, is to have a group of highly competent radiologists occupy themselves with problems of radiobiology at the human level and to enable them to transplant techniques learned on animals into therapeutical and clinical investigations on humans. In my opinion it is worthwhile to give limited support to this group in the above mentioned activity. Since the activities of the group are curtailed due to absence of personnel, I would recommend abandonment of proposals 2, 3, and 4, and place the remaining emphasis on 1 and 5, with the understanding

3005822

DOCUMENT SOURCE Lawrence Berkeley Laboratory Archives and Records Office	
SCIENTISTS' PAPERS: CORNELIUS TOBIAS	
Records Series Title	CORNELIUS TOBIAS
Accession No.	434-89-0100
File Code No.	10-B-63
Carton No.	(39)
Folder No.	SUBCOMMITTEE RADIOBIOLOGY
Notes	
Found By	KAREN HOLMES
Date	

COPY

that when the team is again complete, they might apply for more extended support.

If there is great need for economy due to limited funds available, this project could be curtailed or abandoned during next year without very seriously affecting the national effort in radiobiological research.

Very sincerely yours,

Cornelius A. Tobias

CT:gg

3005823