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SAN FRANCISCO: MEDICAL SCHOOL  
UNIVERSITY HOSPITAL

May 4, 1948

Dr. Francis Scott Smyth  
Dean of the Medical School

Dear Doctor Smyth:

The problem of where to find space and facilities on the San Francisco Campus to adequately carry on work for the Atomic Energy Commission under Project 40-C has been with us since 1942. We now want to study the effects of multimillion volt radiations on animals and man, and they (A.E.C.) are willing to finance such a program. I am told, unofficially so far, that the Medical Director and the Medical Advisory Committee have recommended an appropriation of \$400,000 to provide a high energy machine (betatron or synchrotron) and a building on the San Francisco Campus where clinical facilities exist.

The purchase and installation of a high voltage instrument will cost about \$150,000. There will therefore be about \$250,000 for a building and fixed equipment. With this amount of money we should be able to erect a building of about 5000 (plus) square feet. The contemplated space would be divided somewhat as follows:

High voltage machine and therapy rooms	470	square feet
Patients' waiting, examining, etc. rooms	450	" "
Animal and animal care rooms	1000	" "
Radio-activity studies	900	" "
Chemistry laboratories	360	" "
Physics laboratory	400	" "
Hematology laboratory	120	" "
Shops	200	" "
Janitorial & storage	300	" "
Offices	400	" "
Classroom	400	" "

The program to be carried on in this building would consist of our present work on the effects of radio-active elements and x-rays up to one million volts on animals and man, plus a new program of studies of the effects of multimillion volt radiations on animals and

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SAN FRANCISCO: MEDICAL SCHOOL  
UNIVERSITY HOSPITAL

Dr. Francis Scott Smyth  
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Page two

man, both in therapeutic doses, acute total body doses and chronic total body doses. This will necessitate studies of radiation sickness, chemical effects of radiation and physical measurements of the new high energy radiations. It is contemplated that a definite amount of training of personnel is to be carried on.

The Atomic Energy Commission have not promised to support the program financially on a permanent basis, but they give the assurance that having spent the money for the equipment and the space, they are not likely to leave it without annual support. There is no obligation on our part to carry on work for them unless supported by them.

The Medical Director of the Atomic Energy Commission has indicated that \$100,000 will be available from the 1947-48 appropriation, to be obligated before July 1, 1948, \$150,000 from 1948-49 funds available July 1, 1948, and \$150,000 from 1949-50 funds, available July 1, 1949.

I therefore ask you to request the President and Regents to authorize the execution of a contract in the amount of \$400,000 for the purchase of a betatron or synchrotron, and the erection of a building to house it and our radiobiological program, and to execute the necessary agreements for lease and occupancy privileges with the Atomic Energy Commission for the radiobiology laboratory.

Yours sincerely,

*Robert S. Stone*

Robert S. Stone, M. D.

RSS:sa  
cc: Mr. Underhill  
Mr. Priestley  
Mr. Hall

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