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TO: Those listed below

DATE:

RECEIVED
JUN 23 1949
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LA Classification Group
7/7/49

FROM: K. S. Pitzer, Director
Division of Research, Washington, D. C. KSP

SUBJECT: SURVEY ON EFFECTS OF RADIATION ON MATERIALS

REFER TO
SYMBOL: RMMBWL

The Divisions of Research and Reactor Development are sponsoring jointly an intensive survey of the problems involved in the study of radiation effects on materials. This survey is to be conducted by a group under the direction of Dr. J. C. Slater of Massachusetts Institute of Technology and will be composed of a nucleus of 4 members from MIT and about 5 additional people from AEC laboratories or contractors.

The scope of the program is as follows:

1. A survey of the materials problems involving radiation effects facing the AEC.
 - A. Programmatic
 - (1) Nuclear reactors
 - B. Fundamental
2. Compilation of present materials irradiation research program.
3. Compilation of present and contemplated reactor test space and characteristics thereof.
4. Survey of possibilities of utilizing various particle accelerators for materials research.
5. Survey of AEC materials research facilities and personnel for irradiation studies.
6. Formulation of correlated programmatic and fundamental research program on the effect of irradiation on materials.
7. Suggestions for the mechanism of carrying out the proposed research program.

The group will make an initial trip to obtain information starting June 19 and will travel according to the following schedule:

<u>Installation</u>	<u>Dates of visit</u>
Oak Ridge	June 20, 21, 1949
Argonne National Laboratory	June 22, 23, 24, 1949
Hanford Works	June 27, 28, 1949
Knolls Atomic Power Lab.	June 30, July 1, 1949

All members of the group will be "Q" cleared and it is hoped that each laboratory will cooperate fully in supplying them with all the information they desire.

Two general meetings are planned to be held. These meetings will be held at the Argonne National Laboratory, July 25-27 and Brookhaven, August 22-24, 1949.

CLASSIFICATION CANCELLED
PER DOC REVIEW JAN. 1973

VERIFIED UNCLASSIFIED

Mark M. Lane 7/7/49

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CLASSIFICATION MANAGEMENT

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FROM: K. S. Pitzer, Director
Division of Research, Washington, D.C.

SUBJECT: SURVEY ON EFFECTS OF RADIATION ON MATERIALS

These are intended to serve as information seminars on all aspects of the problems of materials testing under irradiation. An outstanding group of approximately fifty scientists in the field will be assembled for these meetings.

All individuals familiar with materials problems in the work of the Commission realize, I am sure, the importance of adequate knowledge of radiation effects. They should also realize, therefore, the importance of adequate use of existing facilities for radiation effects testing, proper program coordination, and enlightened planning for future facilities and programs. It is hoped that there will arise from this survey a comprehensive plan for coordination of all efforts. The cooperation of all individuals is earnestly requested in this survey.

cc: W. H. Zinn, ANL
Kenneth H. Kingdon, KAPL
C. E. Center, C&CCC, Oak Ridge
C. M. Rucker, ORNL
N. E. Bradbury, Los Alamos
G. R. Prout, GE, Richland, Washington
Leland Hayworth, BNL
W. A. Johnson, Westinghouse
Sydney Siegel, Westinghouse
A. B. Greninger, G.E., Richland, Wash.
Frank Spedding, Ames
W. Kingston, Sylvania
Frank Foote, ANL

A. Tammaro, COO
J. Stewart, Schenectady Operations Of
A. H. Holland, Jr., OROO
C. I. Tyler, Los Alamos
W. E. Kelley, NYOO
H. W. Russell, Battelle
A. R. Kaufmann, MIT
John Frye, ORNL
Alvin Weinberg, ORNL
D. A. Gurinsky, Brookhaven
E. R. Jette, Los Alamos ✓
W. J. Koshuba, NEPA
C. S. Smith, Univ. of Chicago
L. R. Hafstad, Div. of Reactor Dev.
W. J. Williams, Div. of Production
G. L. Weil, Division of Reactor Dev.
B. S. Old, Division of Research
J. C. Slater, MIT

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