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June 17, 1943.

TO: Dr. Arthur Compton, Director Chicago Project,
and
Dr. J. R. Oppenheimer, Director Los Alamos Project

FROM: Brigadier General L. R. Groves

SUBJECT: Interchange of information between Chicago and Los Alamos

1. It is the purpose of this memorandum to present the principles which should govern the interchange of information between the Chicago and Los Alamos projects and to give certain specific regulations governing such interchange.

2. The principles governing the interchange of information are as follows:

a. The purpose of interchange is to provide information which will benefit the work both at Chicago and at Los Alamos. The interchange of information not needed for this purpose will serve no useful purpose and is not authorized.

b. For reasons of military security, certain kinds of information as to production piles, military weapons, and time schedules, as mentioned later, are not to be interchanged even though this would be of benefit to the work.

c. For reasons of military security, the interchange of information shall be carried out only by authorized persons and by authorized procedures as described in the following.

d. Changes in the authorized persons and procedures will be made from time to time if warranted.

e. Within the limits prescribed, every effort should be made to maintain as rapid and effective interchange of information as possible.

3. The following specific regulations shall govern the interchange of information on the topics listed.

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Memo to Dr. Compton and Dr. Oppenheimer (cont'd) June 17, 1943.

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a. Business arrangements

Examples

(1) Arrangements for shipment of apparatus or materials
(2) Arrangements for transfer of personnel
(3) Arrangements for authorized visits and conferences
(4) Arrangements regarding other non-scientific and non technical matters.

Authorized Procedures for Interchange

By mail, telephone or orally between individuals in the two organizations actually concerned with the arrangements. (The telephone conversation must be limited to the business arrangements)

b. Scientific Results

Examples

(1) Chemical properties of all materials
(2) Physical properties of all materials, nuclear cross-sections, number of neutrons per fission, time delays in nuclear processes, etc.
(3) Experimental methods and apparatus used in work not involving the testing of production piles, and of weapons or mock-ups therefor

Authorized Procedures for Interchange

(1) By formal reports, not involving engineering applications, sent in either direction through an authorized representative of General Groves (Dr. Conant, Dr. Tolman, Lt. Col. Ashbridge (at Los Alamos), Major Petersen (at Chicago).
(2) By secret correspondence between Compton or Allison, and Oppenheimer, Parsons or Thomas
(3) By visits of Oppenheimer, Parsons or Thomas to Chicago or its subsidiaries. During such visits these men are not to see or discuss designs or installations of production piles.

c. Metallurgical Work

Example

(1) Metallurgical properties of all materials, physicals, Machineability, fabrication possibilities, alloying properties, crystalline and metallurgical structure, purification by metallurgical methods, etc.

Authorized Procedures for Interchange

(1) By formal reports, not involving the design or construction of production piles or weapons, sent in either direction through authorized representatives of General Groves.

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(2) By secret correspondence between Compton, Allison, or Chipman and Oppenheimer, Parsons, Thomas or Smith.
(3) By visits of Oppenheimer, Parsons, Thomas or Smith to Chicago or its subsidiaries.

d. Health
Examples
(1) Precautions
(2) Maximum dosage

Authorized Procedures for Interchange
(1) By formal reports, sent in either direction, through authorized representative of General Groves.
(2) By secret correspondence between Compton, Allison, or Stone and Oppenheimer and his medical advisors at Los Alamos.
(3) By visits of Los Alamos medical men to Chicago or its subsidiaries.
(4) There shall be no interchange between Chicago and Los Alamos as to the design or fabrication of production piles or weapons

e. Chicago Time Schedules
Examples
(1) Time schedules on the development of methods for separation, decontamination, purification, etc.
(2) Time schedules on the preparation of experimental amounts of various materials
(3) Time schedules on the production of usable amounts of material. (This information must be held absolutely secret among Oppenheimer, Parsons and Thomas)

Authorized Procedures for Interchange
(1) By secret correspondence or discussions between Compton or Allison and Oppenheimer

f. Los Alamos Time Schedules
AUTHORIZED
Example
(1) Time schedules as to needs for experimental amounts of material
Interchange of information on (1) is authorized by secret correspondence or discussion between Oppenheimer and Compton or Allison

UNAUTHORIZED
Example
(2) Time schedules as to needs for production amounts of material

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(3) Time schedules as to production of weapons

(2) and (3) - Interchange of information is not authorized.

4. Supplementary Method of Interchange

In addition to the above procedures, interchange of information can be obtained by discussion or correspondence with General Groves, Dr. Conant or Dr. Tolman. In cases of doubt one of these three should be consulted as to the authorized procedure.

5. Interchange of information except as authorized is forbidden. It is the responsibility of the two directors, Dr. Compton and Dr. Oppenheimer, to see that these instructions are enforced.

6. In case Dr. Thomas does not join the project his name will of course be eliminated from this memorandum.

L. R. GROVES,
Brigadier General, C. E.

cc: to the following:
Dr. Conant, Dr. Tolman,
Dr. Allison, Captain Parsons,
Dr. Thomas, Mr. Chipman,
Mr. Smith, Colonel Marshall,
Lt. Col. Ashbridge, Major Peterson

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