

THE COUNCIL OF NATIONAL DEFENSE
NATIONAL DEFENSE RESEARCH COMMITTEE
Office

August 16, , 19 41

REQUEST FOR AUTHORIZATION

Name Dr. L. Szillard Title Consultant - Special Section

Columbia University Official Station New York, N. Y.

1. Itinerary and justification of proposed travel:

From New York, N. Y., to Washington, D. C., and return.

To attend a conference.

2. Duration of travel or authority requested August 20 - August 27, 1941

3. Mode of travel (check "X"): (Show beginning and ending dates)

Common carrier. Privately-owned automobile

Airplane. Extra-fare train _____

4. Allowance for privately-owned automobile recommended on following basis (check)

(a) _____ cents per mile, as being more economical and advantageous to the Government.

(b) _____ cents per mile limited to cost of similar travel by common carrier.

5. Per diem allowance recommended:

\$7.50

6. Number of transportation requests required 3

7. Government Identification Card required No

8. Special provisions:

Approved:

MARVIN L. PARIS
Administrative Aide

Name

Title

OFFICE FOR EMERGENCY MANAGEMENT
Washington, D. C.

TRAVEL AUTHORIZATION

No OEM 851Date August 16, 1941

Name Leo Szilard Title Consultant - Special Section
Official Station New York, New York Division Scientific Research and Development

1. You are hereby authorized to incur such expenses as may be necessary for the purpose and during the period stated below, to be paid from available appropriations in accordance with the Standardized Government Travel Regulations and the fiscal regulations of the Office for Emergency Management.
2. Travel from: New York, New York To: Washington, D. C. and return.

For the purpose of: Official business for the Office of Scientific Research and Development, Office for Emergency Management.

3. Mode of travel is authorized as indicated in paragraph(s) (a) below:
 - (a) By common carrier
 - (b) By air line
 - (c) By privately owned automobile on a mileage basis at the rate specified below, not to exceed the cost of travel by common carrier, in accordance with paragraph 12(a) of the Standardized Government Travel Regulations.
 - (d) By privately owned automobile on a mileage basis at the rate specified below, which has been administratively determined in advance to be more economical and advantageous to the United States, in accordance with paragraph 12(a) of the Standardized Government Travel Regulations.
 - (e) By privately owned automobile on a mileage basis at the rate specified below, when it is determined to be more economical and advantageous to the United States. As the economy and advantage accruing to the United States has not been determined in advance, a comparative cost statement must be submitted with expense voucher. See paragraph 12(a) of the Standardized Government Travel Regulations.
 - (f) Special Authority
4. Date effective August 20, 1941 Terminating approximately August 27, 1941
5. Per diem allowance \$7.50 Mileage rate none

Asst. Budget and Finance Officer
Title

OFFICE FOR EMERGENCY MANAGEMENT
NATIONAL DEFENSE RESEARCH COMMITTEE
OF THE
OFFICE OF SCIENTIFIC RESEARCH AND DEVELOPMENT

JAMES B. CONANT, Chairman
RICHARD C. TOLMAN, Vice Chairman
ROGER ADAMS
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FRANK B. JEWETT
MAJ. GEN. R. C. MOORE
CAPT. LYBRAND P. SMITH

1530 P STREET NW.
WASHINGTON, D. C.

August 19, 1941

IRVIN STEWART, Executive Secretary

REGISTERED MAIL

Dr. L. Szilard
Columbia University
New York, New York

Dear Dr. Szilard:

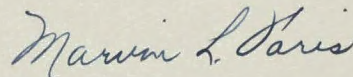
In accordance with the request of Professor Gregory Breit, there are enclosed Travel Authorization No. 851 and Government Transportation Requests Nos. 10,655, 56 and 57.

All travel for which reimbursement of expenses is to be claimed should be in accordance with the Standardized Government Travel Regulations, a copy of which is attached.

It is necessary that an original (Form 1012) and four (Form 1012a) copies of reimbursement vouchers be submitted to this office when claiming expenses.

Please sign the receipt for the transportation requests and return it to this office immediately.

Yours very truly,



Marvin L. Faris
Administrative Aide

Enclosures

August 21, 1941

Mr. Marvin L. Paris
Administrative Aide
National Defense Research Committee
1530 P Street, NW
Washington, D. C.

Dear Sir:

At the request of Dr. L. Szilard, I am returning the receipt, duly signed, for the "Transportation Request Book" No. C-27, T.R.'S. NDC-10,655, 6, 7, the receipt being dated, August 19, 1941.

Very truly yours,

Acting Secretary
Dept. of Physics

MEB
Enclosure

March 16, 1942

Dr. Arthur T. Compton
Metallurgical Laboratory
University of Chicago
Chicago, Illinois

Dear Dr. Compton:

Some clarification seems desirable in connection with the responsibility as between our groups for analysis and control of metal and oxide manufacture, in addition to the statement in your letter of March 4 to Dr. Conant. The following is my understanding of our respective duties.

If an impurity is known to be present, and a suitably delicate method of analysis is available, it is our business to have analyses of raw materials and final products made, and to see that the impurity, in deliveries to your group, does not exceed specifications.

However, almost every element, in some proportion, will be injurious and the absence of most of them has not been demonstrated. The task of ascertaining that no harmful amount of impurity is present, or alternatively of identifying other harmful impurities than those now known, and developing methods of analysis, remains with you. Once a definite method of analysis has been developed, and a specification limit has been set, we will undertake the routine control of the product.

Very truly yours,

E. V. MURPHREE

EWT:GT

cc: Messrs. R. Rosen
E. W. Thiele
L. Szilard ✓

THIS DOCUMENT CONTAINS INFORMATION AFFECTING THE NATIONAL DEFENSE OF THE UNITED STATES WITHIN THE MEANING OF THE ESPIONAGE ACTS OF U.S.C. 81 AND 82. THE TRANSMISSION OR THE REVELATION OF ITS CONTENTS IN ANY MANNER TO AN UNAUTHORIZED PERSON IS PROHIBITED BY LAW.

Dr. A. H. Compton
University of Chicago
Chicago, Illinois

Dear Dr. Compton:

I was discussing with Dr. Alexander this morning the question of contract for Metal Hydrides, Inc. In this discussion he brought up several questions in regard to the control work on product quality. Apparently Dr. Rodden had been discussing the matter with him.

Dr. Alexander feels that supplies of calcium and uranium oxide should be analyzed and accepted from a quality standpoint prior to shipment by the producers. He had gotten the impression from Dr. Rodden that it was planned to test the shipments after the receipt by Metal Hydrides who would pass or reject them at that time. This would certainly be a very awkward procedure.

Dr. Alexander did not (at least in his conversation with me) like the idea of having a laboratory primarily operated by some organization other than his in his plant. I got the impression from him that it was now being planned for the Bureau of Standards to operate a laboratory which they would put up inside of Metal Hydrides' plant and use this laboratory for testing the raw materials and the finished products. I think a procedure like this would lead to very considerable friction and would feel that any acceptance analyses ought to be on the raw materials before shipment to Metal Hydrides and on the finished products produced by Metal Hydrides. I think Metal Hydrides should be equipped to make analyses themselves on their own intermediate products to satisfy themselves as to impurities. The analyses on raw materials and finished products could be carried out by any group that you would wish to designate in a laboratory that could be at any location.

I do not know that I have correctly translated Dr. Alexander's thoughts on this matter or not but I am giving you

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1958

February 19, 1942

Dr. A. H. Compton

2.

2/19/42

~~CONFIDENTIAL~~

at least what was my understanding. He seemed to be a little bit stirred up on the whole situation and I think it might be desirable for Dr. Szilard and myself to discuss this question in the near future.

ARGONNE NATIONAL LABORATORY
AND WAS TURNED OVER TO
DR. SZILARD ON

Very truly yours,

E. V. Murphree
~~1942~~

E. V. MURPHREE

EVM:BF

Copy to Dr. R. Rosen /
Dr. Szilard /

THIS DOCUMENT HAS BEEN
TAKEN FROM A FILE OF THE
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DR. LEO SZILARD ON
1956

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February 20, 1942

THIS DOCUMENT CONTAINS INFORMATION AFFECTING
THE NATIONAL DEFENSE OF THE UNITED STATES WITH-
IN THE MEANING OF THE ESPIONAGE ACT, 18 U.S.C. 31
AND 32. ITS TRANSMISSION OR THE REVELATION OF ITS
CONTENTS IN ANY MANNER TO AN UNAUTHORIZED PER-
SON IS PROHIBITED BY LAW.

Dr. A. H. Compton
University of Chicago
Chicago, Illinois

Dear Dr. Compton:

I am writing in reference to your letter of
February 7.

I discussed the purchase of uranium oxide with
you at the meeting last Friday in Washington. I think we
agreed that you should go ahead and place your orders
directly for the metallic oxide but should keep me advised
as to the amounts ordered.

Very truly yours,

E. V. MURPHREE

EVM:BF

Copy to Dr. L. Szilard ✓

~~SECRET~~

M. J. Compton

THIS DOCUMENT HAS BEEN
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AND WAS TURNED OVER TO AN
UNAUTHORIZED PERSON

THIS DOCUMENT CONTAINS INFORMATION AFFECTING
NATIONAL DEFENSE OF THE UNITED STATES WITH-
IN THE MEANING OF THE ESPIONAGE ACT, 50 U.S.C. 31
2. ITS TRANSMISSION OR THE REVELATION OF ITS
CONTENTS IN ANY MANNER TO AN UNAUTHORIZED PER-
SON IS PROHIBITED BY LAW.

February 4, 1942

W. C. Johnson
Dr. Clement J. Rodden
National Bureau of Standards
Washington, D. C.

Dear Dr. Rodden:

I am replying to your letter of January 29 in which you raised questions as to control of quality of the metallic uranium produced by Metal Hydrides.

I recently discussed the problem of metal quality with Dr. Compton and it has been agreed that his group will assume responsibility for the quality of the metal produced. In so doing Dr. Compton's group will see that whatever samples are necessary will be obtained. I would think that they should consider the desirability of installing a spectro-chemical laboratory at Metal Hydrides, and I am sending them a copy of your letter from this standpoint.

I am glad to hear that you are making good progress on the calcium distillation, and was particularly pleased with your wire indicating that the first sample you had distilled was of very low boron content.

In regard to your meeting with Mr. Critchett, I thought it would be helpful to give Union Carbide and Carbon all the background that is available on preparation of boron-free calcium. I think you should tell Mr. Critchett just what sort of an apparatus you are using and what results you have obtained. I assume you will make arrangements to get in touch with Mr. Critchett before long.

I believe it would be helpful for Dr. L. Szilard, of Columbia University, to sit in with you during your discussion with Mr. Critchett, and I am therefore asking you and Dr. Szilard to arrange together for this meeting.

Very truly yours,

E. V. MURPHREE

EVM:BF
Copy to Dr. L. J. Briggs
Dr. A. H. Compton
Dr. L. Szilard ✓

August 26, 1941

Mr. Marvin L. Faris
Administrative Aide
National Defense Research Committee
1530 P Street, NW
Washington, D. C.

Dear Mr. Faris:

Referring to your letter of August 19th, enclosed I am sending you two unused transportation requests and the copy of the transportation request which I used. Since I am not sufficiently aware of how to fill out the vouchers which you sent me, I shall give you the following detailed description of my movements, and perhaps your Office would be kind enough to fill out those vouchers and return them to the Physics Department of Columbia University for my signature. I shall very much appreciate your help in this connection, since the regulations seem to be somewhat complicated.

d-221

I left New York from Laguardia Field by airplane for Washington on August 21st, taking the plane at 6:15 p.m. daylight saving time. I am enclosing a receipt for \$2.15 representing the taxi cab fare from my home to Laguardia Field. The taxi fare from Washington Airport to my hotel amounted to \$1.00. I left Washington by airplane on Monday, August 25th, at 10:15 Standard Time and took a taxi cab from my hotel to the air field, the fare of which was \$1.00. In New York I took a taxi from Laguardia Field to my home, the fare of which amounted to \$2.20, for which I am enclosing the receipt.

I wish to add that the reason for my taking an airplane from New York to Washington was the fact that I was not free to leave before 6:25, and so the only alternative would have been to take a sleeper.

Mr. Marvin L. Faris

-2-

August 26, 1941

Since I am not able to sleep satisfactorily in the train and since I have to travel quite a lot, I am trying to avoid going by sleeper whenever this is possible.

The reason for my traveling by air from Washington to New York on the return trip was the fact that I was sent only a transportation request for the trip to Washington and return, and so was unable to arrange to fly to Washington and return by coach as I would have done otherwise.

Thanking you for the attention which your Office is giving to this matter, I am

Yours very truly,



(Leo Szilard)

LS:MEB

CC: Professor Fermi

Enclosures

OFFICE FOR EMERGENCY MANAGEMENT
NATIONAL DEFENSE RESEARCH COMMITTEE
OF THE
OFFICE OF SCIENTIFIC RESEARCH AND DEVELOPMENT

1530 P STREET NW.
WASHINGTON, D. C.

JAMES B. CONANT, Chairman
RICHARD C. TOLMAN, Vice Chairman
ROGER ADAMS
CONWAY P. COE
KARL T. COMPTON
FRANK B. JEWETT
MAJ. GEN. R. C. MOORE
CAPT. LYBRAND P. SMITH

IRVIN STEWART, Executive Secretary

September 9, 1941

Dr. Leo Szilard
Department of Physics
Columbia University
New York, New York

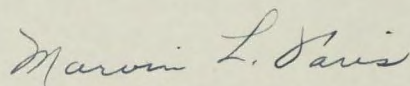
Dear Dr. Szilard:

In reply to your letter of August 26, I am transmitting herewith a voucher which we have prepared to cover your trip from New York to Washington during the period of August 21 to 25.

If the items we have shown in the diary of the voucher appear to be in order, please sign the voucher before a notary and return it to us for transmittal to the Budget and Finance Office of the Office for Emergency Management.

If you wish to make some changes on the voucher you may do so, but be sure to initial all changes you make.

Yours very truly,



Marvin L. Faris
Administrative Aide

Enclosure

THIS DOCUMENT HAS BEEN
TAKEN FROM A FILE OF THE
NATIONAL BUREAU OF STANDARDS
AND WAS RETURNED OVER TO
THE NATIONAL LABORATORY
ON
July 3, 1943

Lt. Col. H. E. Metcalf
1530 P Street, N. W.
Washington, D. C.

Dear Colonel Metcalf:

I wonder if it would not be useful for you to make inquiries at Columbia University which would enable you to decide the question whether or not the Government can claim any shop rights in inventions made by me before November 1, 1940. It seems to me that the answer to this question depends on the answer to a number of questions, the most important of which are the following:

1. Can Columbia University base any claim to shop rights on my work done during my employment at Columbia University from November 1, 1940 to inventions made by me before that date? In answering this question, it should be taken into consideration that an agreement existed between me and Columbia University concerning my inventions which cover the period after November 1, 1940.

2. Assuming that Columbia University can, to certain of my inventions, claim shop rights on the basis of work done by me at Columbia University before November 1, 1940, can Columbia University transfer such shop rights to the Government? In trying to answer this question, it should be taken into consideration that no agreement existed between Columbia University and the Government prior to November 1, 1940 and that no support was received by Columbia University from the Government prior to March or April, 1940.

Colonel Metcalf

-2-

July 3, 1943

THIS DOCUMENT HAS BEEN TAKEN FROM THE FILES OF THE ARGONNE NATIONAL LABORATORY AND WAS RETURNED OVER TO DR. LEO SZILARD ON 1/28/58
My Commission Expires July 19, 1948

If the answers to questions 1 and 2 are negative, then the Government cannot claim shop rights to any of my inventions made prior to November 1, 1940. If the answer to question 2 is positive, then one has to look into question 3 which is as follows:

3. Can Columbia University claim shop rights to any of my inventions and base this claim on work done by me at Columbia University prior to November 1, 1940? In trying to answer this question, one should take into consideration that experiments carried out at Columbia University between March 3 and June 30, 1939 were in part financed by me, that I had no office at Columbia University and did not engage in any experiments at Columbia University between June 30, 1939 and March or April 1940, and that I did not use an facilities of Columbia University for the purpose of my inventions prior to November 1, 1940.

Very truly yours,



LEO SZILARD

a

Metallurgical Laboratory

August 18, 1943

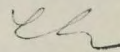
Professor W. K. Lewis
Massachusetts Institute of Technology
Cambridge, Massachusetts

Dear Professor Lewis:

I was sorry that I was not able to make any suggestions to your committee concerning the specific question of the future organization of the P-9 work. May I, however, with your permission, emphasize now the following general point of view:

When the deliberations of your committee have reached the stage at which you are able to formulate several alternative schemes for the future set-up of the P-9 work, then it might be important that you give to those whom you wish to consult an opportunity to state, in the light of their past experience, what they think is likely to go wrong with one or the other of the proposed set-ups. I wonder whether such a procedure would meet with your approval.

Yours sincerely,



L. SZILARD

CC: Compton ✓
Wigner
Vernon
Fermi
Smyth
Young
Creutz
Ohlinger

Handwritten signature

OFFICE FOR EMERGENCY MANAGEMENT
NATIONAL DEFENSE RESEARCH COMMITTEE
OF THE
OFFICE OF SCIENTIFIC RESEARCH AND DEVELOPMENT

JAMES B. CONANT, Chairman
RICHARD C. TOLMAN, Vice Chairman
ROGER ADAMS
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MAJ. GEN. R. C. MOORE
CAPT. LYBRAND P. SMITH

1530 P STREET NW.
WASHINGTON, D. C.

M.I.T.
Cambridge, Mass.
August 31, 1943

IRVIN STEWART, Executive Secretary

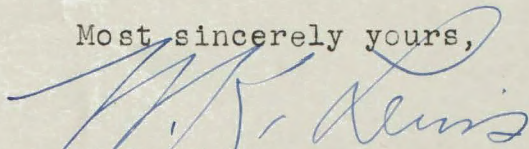
Dr. L. Szilard
Metallurgical Laboratory
University of Chicago
Chicago, Illinois

Dear Dr. Szilard:

I regret that reply to your letter of August 18 has been delayed by my absence from the city on other work.

The report of our Committee made shortly after our return East was necessarily limited to general considerations, and formulation of specific procedures were outside our province. The Committee had been discharged before receipt of your letter but I trust that the powers that be work out a truly satisfactory modus vivendi.

Most sincerely yours,



W. K. Lewis

~~SECRET~~

Mr. J...

This document consists of 1 pages and ^{ATT} figures. No. ~~1~~ of 3 copies, Series A

MUC-PA-302

THE UNIVERSITY OF CHICAGO

DATE November 15, 1943

To Dr. Leo Szilard DEPARTMENT
FROM Lt. Col. H. E. Metcalf DEPARTMENT Chicago Patent Group (O.S.R.D.)

IN RE:

The following is quoted from a letter from Captain Lavender, dated November 13, 1943:

"There are enclosed herewith the original and two copies of the contract in the Szilard matter that has been approved by General L. R. Groves for the payment of \$25,000.00 by the United States Engineer Corps, Manhattan District. The contract is the same, with a few minor changes in phraseology, as the draft approved by Dr. Szilard and Mr. Hume with the exception that clause 2 of the draft approved by Dr. Szilard excepts from the sale any rights and interest of Szilard in the two abandoned applications Serial Nos. 235,859 and 263,017 that are recited in the 3rd "Whereas" clause. The approved contract only excepts from the provisions thereof Szilard's United States Letters Patent No. 2161,985. In the discussions with Dr. Szilard prior to his settlement of the suit brought by Mr. Adams in the New York Supreme Court, he indicated that he did not desire to assign any rights in these abandoned applications but it is felt that he had no real reason for not transferring any rights in these two abandoned applications so that there is no reason why they should not be included.

"Captain Lavender expects to be in Chicago on Wednesday of next week and it is hoped that by that time Dr. Szilard will have executed the agreement so that Captain Lavender can bring the same back with him.

"The application referred to in the 1st "Whereas" clause, although not examined by this Office, should be executed by the inventors so that if there are no changes resulting from the review thereof by this Office it will be ready for filing at an early date."

I am attaching a copy of the contract in case you desire to discuss the contract with Mr. Hume. The original of the contract and the copies of the application papers referred to are available at my office.

H. E. Metcalf
H. E. METCALF
Advisor on Patent Matters
O.S.R.D., Chicago Group

This document contains information affecting the National defense of the United States within the meaning of the Espionage Act, U.S.C. 564. Its transmission or the revelation of its contents in any manner to an unauthorized person is prohibited by law.

HEM:VK

~~SECRET~~

November 19, 1943

Colonel Metcalf

L. Szilard

~~SECRET~~

Handwritten initials and scribbles in red ink.

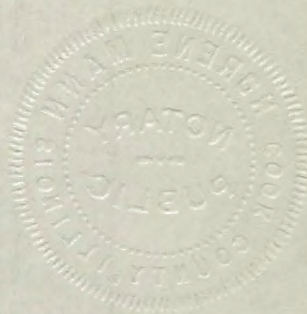
If I understood you correctly, you said to me yesterday that Captain Lavender and you had recommended to Dr. Compton that he be put back on the payroll as from January 1 and that this was not conditional on whether or not I shall inter into an agreement with the Government concerning inventions made by me before November 1, 1940. Since, in a conversation which I had with Dr. Compton last night, there was some doubt about this point, I am writing to you in order to ask you to inform Dr. Compton of the position which you are taking with respect to this question.

Handwritten signature in blue ink.

8291 MY COMMISSION EXPIRES JULY 1944

Handwritten signature in blue ink.

L. Szilard



CC: A.H.Compton

~~SECRET~~

This document contains information affecting the national defense of the United States within the meaning of the Espionage Act, U. S. C. 50: 31 and 32. Its transmission or the revelation of its contents in any manner to an unauthorized person is prohibited by law.

Metallurgical Laboratory

November 25, 1943

Lt. Col. Metcalf

Dr. L. Szilard

THIS DOCUMENT HAS BEEN TAKEN FROM A FILE OF THE ARGONNE NATIONAL LABORATORY AND WAS TURNED OVER TO DR. LEO SZILARD ON 1/23/51

I am still without word from Dr. Compton or Captain Lavender whether an inclusion of an item representing compensation for my time in 1939 and 1940 would be in order, or whether it would be felt that the inclusion of such an item would destroy the non-profit character of the transaction which I would wish to maintain. Pending an answer to this question, I am putting forward a draft of the letter which I might send to Captain Lavender, and which you will find enclosed.

Captain Lavender had formerly taken the position that the 1936 agreement which was subject to a controversy between myself and Mr. I. Adam stood in the way of the proposed transaction with the Government in that the rights desired by the Government might not be free for me to transfer. I would, therefore, appreciate if in his reply Captain Lavender could acknowledge the fact that this position had been taken by him and that the settlement of the controversy and the counselling of the 1936 agreement which I have arranged was a prerequisite for the conclusion of the agreement with the Government.

I have phrased the enclosed draft of the letter in such a manner that it need not be stamped secret, and I would appreciate it if Captain Lavender's answer would also be phrased in such a manner that it need not be made secret. I could then submit these letters to the income tax people, whereas, I would not be able to submit the agreement itself which is secret.

L. Szilard

You will note that all the changes suggested are approved with the following additional changes that should be made:

1. Change 502 to 501.
2. Page 4, line 4, erase "said" and substitute --U. S. Letters Patent No. 2161,985 and British Patent No. 440,023--. Erase "any" and substitute --either--. The reason for making this change is that exception is not made to any U. S. rights involved in the invention covered by the secret British Patent.
3. Paragraph 3, line 12, after "affixing" insert --hereto--. Lines 13 and 14, erase "said University of Chicago" and substitute --each respective University--.
4. Move the "Assented and Approved by" section to the position indicated on page 6, which is immediately following the signature of the contracting officer.

METALLURGICAL LABORATORY
University of Chicago
Chicago, Illinois

RECEIPT

TO: L. S. G. [Signature]

RE: Receipt of Material

Original to be signed personally by the recipient and returned to the sender.
Duplicate to be retained by the recipient.
Triplicate retained by sender for suspense file.

I have personally received from

[Signature]

, the material as identified below. I assume full responsibility for the safe handling, storage, and transmittal elsewhere of this material in accordance with existing regulations. The material, including enclosures and attachments is identified as follows (in identifying material avoid any reference which might cause the receipt form to become CLASSIFIED):

Description	Date of Document	From	Reference or File No.	Addressed To	Date Mailed
<i>1 draft of Govt contract</i>					

SO:signed original; CC:carbon copy; PC:photostat copy; TC:typed copy; DC:ditto cop

(Signature)

(Date)

(Postal Registry Number)

PLEASE SIGN AND RETURN ORIGINAL RECEIPT IMMEDIATELY

~~SECRET~~

Dr Szilard

Unexecuted Copy of final agreement

File 12/3/43 *MRD* *Obv*

MEMORANDUM OF AGREEMENT made this _____ day of _____

, 1943 between Leo Szilard of Chicago, Illinois (hereinafter referred to as Szilard) and the Government of the United States (hereinafter referred to as the Government) represented for the purpose hereof by the Contracting Officer of the United States Engineers, Manhattan District, War Department.

THIS DOCUMENT HAS BEEN TAKEN FROM A FILE OF THE NATIONAL LABORATORY AND WAS TURNED OVER TO DR. SZILARD ON 12/3/43

WHEREAS, Szilard, as joint inventor, has invented certain new and useful improvements in Methods for Testing Materials, for which he is about to file an application for U. S. Letters Patent, identified as 3-1/501, and believes that he now owns the hereinafter granted rights, privileges, and interests relative thereto, and

WHEREAS, Szilard believes that he is the sole or joint inventor of certain inventions, discoveries and improvements in the field of Nuclear Physics made prior to 1 November 1940; and

WHEREAS, Szilard believes that he is now the owner of the entire right, title and interest in and to all of the hereinafter granted inventions, discoveries and improvements made by him in the field of Nuclear Physics prior to 1 November 1940 and that he is now the owner of an undivided right, title and interest in and to any and all of the hereinafter granted inventions, discoveries and improvements jointly made by him with others in the field of Nuclear Physics prior to 1 November 1940; and

WHEREAS, Szilard believes that he is the sole or joint inventor of certain inventions, discoveries and improvements in the field of Nuclear Physics made after 1 November 1940, and alone or jointly has conceived and developed methods, apparatus, devices and compositions in said field after 1 November 1940, all while in the employ of the Trustees of

~~SECRET~~

~~SECRET~~

Columbia University in the City of New York and/or the University of Chicago starting 1 November 1940, pursuant to certain employment agreements with said Universities, respectively, and believes that he now owns the hereinafter granted rights, privileges, and interests relative thereto, and admits that he is obligated to do whatever is necessary to take out patents on any and all inventions, discoveries, and improvements in any and all countries made by him during the periods of his said employments as and when requested by the Trustees of Columbia University in the City of New York and/or The University of Chicago and to assign upon request of the Trustees of Columbia University in the City of New York and/or The University of Chicago all rights, title and interest in and to any and all sole or joint inventions, discoveries and improvements thereon, as well as any and all patents and applications therefor to the Trustees of Columbia University in the City of New York and/or The University of Chicago or to other assignees designated by the Trustees of Columbia University in the City of New York and/or The University of Chicago; and

WHEREAS, the Government is desirous of acquiring the rights, privileges and interests hereinafter granted and believed to be at the present time owned by Szilard in and to said applications to be filed and identified as S-1/501, for Method of Testing Materials and in and to the inventions, discoveries and improvements disclosed therein; and the entire right, title and interest of Szilard in and to any and all sole or joint inventions, discoveries and improvements in the field of Nuclear Physics made prior to 1 November 1940 and now believed to be owned by Szilard with the exception of United States Letters Patent No. 2161,985

~~SECRET~~

~~SECRET~~

issued to Szilard 3 June 1939 and entitled "Process of Producing Radioactive Elements," British Patent No. 440023, and Secret British Patent assigned to the British Government in 1936, or the inventions covered by said patents, or any of them; and

WHEREAS, the Government is desirous of acquiring Szilard's entire right, title and interest in and to any and all sole or joint inventions, discoveries and improvements made by Szilard while employed by the Trustees of Columbia University in the City of New York and/or the University of Chicago on behalf of the Government;

NOW THEREFORE to all whom it may concern, be it known that for and in consideration of the sum of Fifteen Thousand Four Hundred Seventeen Dollars and Sixty Cents (\$15,417.60) to Szilard, in hand paid by the Government and for other good and valuable considerations, the receipt of which is hereby acknowledged:

1. Szilard has sold, assigned, and transferred, and by these presents does sell, assign and transfer unto the Government as represented for the purpose hereof, by the Director of the Office of Scientific Research and Development, Office for Emergency Management, Executive Office of the President and/or his assigns, his entire right, title and interest that he now owns as joint inventor in the United States Patent Application, to be filed and identified as S-1/501, for the Method of Testing Materials and in and to the inventions, discoveries and improvements disclosed in said United States Patent application to be filed.

2. Szilard has sold, assigned and transferred and by these presents does sell, assign and transfer unto the Government as represented for the purpose hereof by the Director of the Office of Scientific Research and Development,

~~SECRET~~

~~SECRET~~

Office for Emergency Management, Executive Office of the President and/or his assigns, his entire right, title and interest in and to any and all inventions, discoveries and improvements in the field of Nuclear physics made by him alone or jointly with others prior to 1 November 1940 and in and to any and all Letters Patent wherever they may be granted thereon as well as reissues and extensions of said Letters Patent, together with any and all of his inventions covered by applications filed by him and subsequently abandoned, the same to be held and enjoyed by the said Government to the full end of the term or terms for which Letters Patent are or may be granted, reissued or extended, as fully and entirely as the same would have been held or enjoyed by him had this assignment not been made, except however the assignment made in this paragraph two does not extend to nor does the present agreement concern in any manner United States Letters Patent No. 2161,985 issued to Szilard 3 June 1939 and entitled "Process of Producing Radioactive Elements," British Patent No. 440023, and Secret British Patent assigned to the British Government in 1936, or the inventions covered by said patents, or any of them.

3. Szilard has sold, assigned and transferred and by these presents does sell, assign and transfer unto the Government as represented for the purpose hereof by the Director of the Office of Scientific Research and Development, Office for Emergency Management, Executive Office of the President and/or his assigns his entire right, title and interest in and to any and all inventions, discoveries and improvements made by him alone or jointly with others while employed by the Trustees of Columbia University in the City

~~SECRET~~

~~SECRET~~

of New York and/or The University of Chicago, on behalf of the Government of the United States. The assignment in this paragraph three is made by Szilard in accordance with and at the request of the Trustees of Columbia University in the City of New York and/or The University of Chicago, which is hereby made by the affixing hereto of the signature of a duly authorized person, acting for and on behalf of each respective University.

4. Szilard agrees to make, execute, and deliver unto the Government or to the Director of the Office of Scientific Research and Development, Office for Emergency Management, Executive Office of the President and/or his assigns any and all papers, documents, affidavits, renewal, divisional and reissue applications, statements, or other instruments in such usual or other form, terms and contents as may be required by the Government or the Director of the Office of Scientific Research and Development, Office for Emergency Management, Executive Office of the President or his assigns in or incident to the filing, prosecution or conduct of any and all applications, before as well as after the issuance of any Letters Patent thereon, or in the adjustment or settlement of any interferences or other actions or proceedings that said applications may encounter or in which they may become involved, and Szilard agrees that he will aid and assist the Government of the United States in every way in protecting the inventions as may be requested by the Government or the Director of the Office of Scientific Research and Development, Office for Emergency Management, Executive Office of the President or his assigns, except that any expenses incurred in connection with such assistance shall be paid by the Government under proper arrangements to be made by the Government with Szilard for

~~SECRET~~

~~SECRET~~

that purpose and in case the services of Szilard are required involving loss of time and income by Szilard, Szilard shall be paid by the Government at the prevailing rate for the type of services rendered by proper arrangements to be made by the Government with Szilard for that purpose.

5. Szilard understands and agrees that with respect to any patentable discovery or invention coming under this agreement, the Contracting Officer of the Office of Scientific Research and Development, Office for Emergency Management, Executive Office of the President and/or the Contracting Officer of the United States Engineers, Manhattan District, War Department, or their duly appointed representative, shall have the sole power to determine whether or not a patent application shall be filed covering any and all of said inventions, discoveries and improvements made by Szilard.

6. Szilard further agrees that the Government shall have the irrevocable and exclusive right to prosecute all patent applications, wherever filed, covering inventions made by him and Szilard hereby grants to the Government the full power of substitution and revocation to make alterations and amendments to any and all said patent applications, to receive all Letters Patent and to transact all business in any Patent Office in connection with any applications, and to prosecute, conduct and make adjustments and settlements of any interferences or other acts or proceedings that any and all inventions and/or said applications and patents may encounter or in which they may become involved.

~~SECRET~~

~~SECRET~~

IN TESTIMONY WHEREOF, THIS AGREEMENT HAS BEEN EXECUTED

THIS _____ DAY OF _____, 1943.

Witness:

THIS DOCUMENT HAS BEEN TAKEN FROM A FILE OF THE ARGONNE NATIONAL LABORATORY AND WAS TURNED OVER TO DR. LEO SZILARD ON _____

(SEAL)

GOVERNMENT OF THE UNITED STATES

By _____
Contracting Officer
United States Engineers
Manhattan District
War Department

Assented to and approved by:

Trustees of Columbia University
in the City of New York

By _____

Assented to and approved by:

Board of Trustees of
The University of Chicago

By _____

STATE OF ILLINOIS)
) ss.
COUNTY OF COOK)

I, _____, a Notary Public in and for the County and State aforesaid, do hereby certify that LEO SZILARD, personally known to me to be the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that he signed, sealed and delivered the said instrument as his free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and Notarial Seal this _____ day of _____, 1943.

Notary Public

~~SECRET~~

MUC-LS-29

This document consists of 1
pages and 0 figures
No. 2 of 2 copies, Series A

July 20, 1944

TO: Col. H. E. Metcalf

FROM: Mr. L. Szilard

According to the agreement concluded in December of last year an application for U. S. letter patent identified as S-1/501 was supposed to be filed with the U. S. patent office. I am writing in order to find out whether this application has in fact been filed by your organization and to learn the filing date of the application.

I would also appreciate it if you would send me a photocopy of the assignment of this application which I signed early this year. I had asked for such a copy at the time when I signed the assignment but so far I have not received it.

L. Szilard

ls/s

July 21, 1944
THIS DOCUMENT HAS BEEN
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AND WAS TURNED OVER TO
DR. LEO SZILARD ON

TO: Lt. Col. H. E. Metcalf
FROM: Mr. L. Szilard

I refer to a letter written to me by Captain R. A. Lavender dated July 11, 1944 of which I understand he sent you a copy. I regret to see from Captain Lavender's letter that he does not intend to recommend that the limitations upon Mr. Hume's clearance be removed so that I can discuss with Mr. Hume the question of joint inventorship with respect to the draft of the patent application which you wish to file in the names of Fermi, Wigner and my own name.

According to the last paragraph of his letter, Captain Lavender wants me either to sign the patent application or if I feel that I cannot sign that application he wants me to inform you in writing of my reasons. Captain Lavender suggests that I base my decision as to joint inventorship on an analysis of the principles of joint inventorship which I shall receive from you and on the technical facts which are within my knowledge.

I am sure you will appreciate that if I am called upon to base my action on an analysis of the principles of joint inventorship furnished by you that it will be desirable for me to have your analysis of the principles of joint inventorship in writing rather than orally.

If you can furnish me with such an analysis of the principles of joint inventorship and let me have it together with a copy of the proposed patent application at your earliest convenience, I shall then proceed to apply your analysis to the technical facts which are within my knowledge in order to decide whether or not I am one of the joint inventors of the proposed application. Accordingly, I may then either sign the proposed patent application or give you the written statement requested as an alternative by Captain Lavender.

LS:jjp

Lh.

~~SECRET~~

MUC-PA-5060*

Metallurgical Laboratory

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and 0 figures. No. 2 of 3 copies,
Series a

21 July 1944

THIS DOCUMENT HAS BEEN
TAKEN FROM A FILE OF THE
ARGONNE NATIONAL LABORATORY
AND WAS TURNED OVER TO
DR. LEO SZILARD ON
JULY 29, 1944

*WPD
Jm*

1944
Captain R. A. Lavender
O.S.R.D.
1530 P. Street, N. W.
Washington, D. C.

Dear Captain Lavender:

In a letter dated 20 July 1944, Dr. Szilard has requested information as to whether application identified as S-1/501 has been filed in the Patent Office and, if so, what is the filing date.

He has also requested a photo copy of the assignment of this application which he signed early this year.

Very truly yours,

H. E. Metcalf
H. E. Metcalf
Advisor on Patent Matters
O.S.R.D., Chicago Group

HEM/vwp
cc: Dr. Szilard ✓

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~~SECRET~~

MUC-PH-5409

This document consists of 1 pages
and 0 figures. No. 1 of 5 copies,
Series a

To: Dr. Leo Szilard

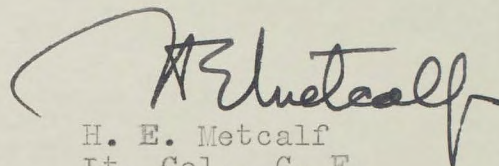
From: H. E. Metcalf, Chicago Patent Group (OSRD)

MPD
JL

In your letter of July 21, 1944 to me, you stated that if this office would furnish you with an analysis of the principles of joint inventorship, together with a copy of a proposed patent application, you would then either sign the papers in the proposed patent application or give me a written statement requested as an alternate by Captain Lavender.

To date I have not received any communication from you with regard to this matter and am inquiring as to the present status of Captain Lavender's request. An abstract of various law cases on joint inventorship was furnished you and you spent six periods of approximately two hours each with Lt. Johnson, going over the cases.

We will be glad to hear from you in this matter.



H. E. Metcalf
Lt. Col., C. E.
Advisor on Patent Matters
O.S.R.D., Chicago Group

HEM/vwp

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SECRET

MUC-PA- 5177^x

Metallurgical Laboratory
P.O. BOX 5207
CHICAGO 80, ILLINOIS

This document consists of 1 pages
and 0 figures. No. 1 of 4 copies,
Series a

8 August 1944

WRV
John

Dr. Leo Szilard
P. O. Box 5207
Chicago 80, Illinois

Dear Dr. Szilard:

In response to your letter of 4 August 1944,
you are advised that the patent application of Fermi
and Szilard, O.S.R.D. Case S-501, forming partial
consideration for your contract with the Government
dated 3 December 1943, was filed in the United States
Patent Office on 8 May 1944.

Very truly yours,

Robert A. Lavender
Advisor on Patent Matters

H. E. Metcalf

H. E. Metcalf
Advisor on Patent Matters
O.S.R.D. Chicago Group
By Direction

HEM/vwp

RECEIVED
in P.A.'s Office
AUG 8 1944
DISPATCHED _____
By _____

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SECRET

August 23, 1944

Lt. Col. H. E. Metcalf

Mr. L. Szilard

MUC-LS-39
This document consists of 1
pages and 0 figures
No. 2 of 2 copies, Series A

I refer to your undated memo MUC-PA-5409 and I understand that this memo crossed with the copy of my letter addressed to Captain Lavender which I sent you. My letter to Captain Lavender constitutes the answer to your memo.

ls/ls

ls

~~SECRET~~

Metallurgical Laboratory

P.O. BOX 5207
CHICAGO 80, ILLINOIS

This document consists of 1 pages
and 0 figures. No. 708 of 2 copies,
Series a

M. E. Metcalf 708 f
BUTTERFIELD 4300

15 November 1944

*NRJ
E. E. Metcalf*

To: Dr. Leo Szilard

From: H. E. Metcalf

In accordance with your telephone request I took the matter up with Captain Lavender on supplying you with a copy of your December 3, 1943 contract with the deletions rendering the contract non-secret. Captain Lavender informs me that only the Manhattan District can supply you with such copy.

H. E. Metcalf

H. E. Metcalf
Lt. Col. C. E.
Advisor on Patent Matters
O.S.R.D., Chicago Group

HEM/sds

CLASSIFICATION CANCELLED
Date 10/3/56
For The Atomic Energy Commission
C. K. Marshall/mcr
Director, Division of Classification

G7678

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16 November 1944

Captain R. A. Lavender
O.S.R.D.
1530 P Street, N. W.
Washington, D. C.

THIS DOCUMENT HAS BEEN
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ARGONNE NATIONAL LABORATORY
AND WAS TURNED OVER TO
DR. LEO SZILARD ON
OCT. 27, 1952

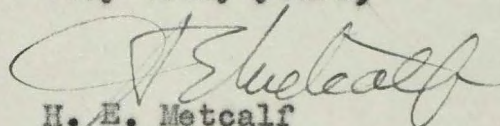
Re: Dr. Szilard's Letter of
30 October 1944

Dear Captain Lavender:

Lieutenant Johnson has had an opportunity to discuss with Dr. Szilard his letter of 30 October 1944 to you. It appears that we have completely misunderstood his position in the matter of having the application referred to him for signature, in that he had not intended to require us to have the formal papers signed by the other inventors prior to being submitted to Dr. Szilard for signature. Dr. Szilard's position has been clearly demonstrated by the fact that Dr. Szilard was completely willing and did sign the oath in Case 2172 prior to the other inventor having executed the same case.

I think it is only fair to Dr. Szilard to clear up this misunderstanding on the record and I am sending a copy of this letter to Dr. Szilard, and to Dr. Dempster with whom the matter has been discussed. Unless you have other reasons to the contrary, the signing of Case 2172 by Dr. Szilard is believed to have rendered a reply by you to his letter unnecessary.

Very truly yours,



H. E. Metcalf
Lt. Col., C. E.
Advisor on Patent Matters
O.S.R.D., Chicago Group

HEM/vwp

Copy No. 1 - Lavender
2 - Dempster
3 - Szilard
4 - Szilard File
5 - Case 2172

~~SECRET~~
ruf
Stiller

~~SECRET~~

THE UNIVERSITY OF CHICAGO

DATE

TO Dr. Szilard

DEPARTMENT

FROM W. E. Hutchinson

DEPARTMENT

Patent

IN RE: Case 2172

Talked to Dr. Fermi on the phone this morning & he told me he was willing to sign this case with you. He has carefully checked the case and will sign the papers as soon as forwarded to him with your signature. It will then be sent immediately to Washington and filed.

W. E. Hutchinson

THIS DOCUMENT HAS BEEN
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ARGONNE NATIONAL LABORATORY
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DR. LEO SZILARD ON

Aug. 29, 1956.

Harvey E. Golston

Lavender

DATE

DEPARTMENT

DEPARTMENT

THE UNIVERSITY OF CHICAGO

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TO

FROM

IN REPLY

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Metallurgical Laboratory

P.O. BOX 5207
CHICAGO 80, ILLINOIS

Misc PA 7579

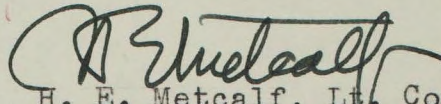
2 January 1945

To: Dr. Leo Szilard
From: Lt. Col. H. E. Metcalf

*MED
John*

This will acknowledge your handing to Lt. H. W. Johnson executed formal papers dated 2 January 1945 for the filing of British and Canadian patent applications corresponding to your joint case with Dr. Fermi, Serial No. 568,904, filed 19 December 1944.

These papers are being forwarded to the O.S.R.D. Patent Group, Washington, D.C., who will assume responsibility for future handling thereof.



H. E. Metcalf, Lt. Col. C.E.
Advisor on Patent Matters
O.S.R.D., Chicago Group

HWJ:VK

cc to Lavender

~~SECRET~~

~~SECRET~~

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Metallurgical Laboratory #7

P.O. BOX 5207
CHICAGO 80, ILLINOIS

15 February 1945

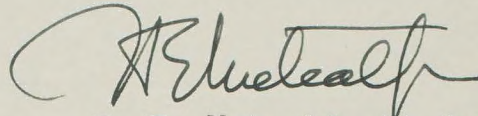
BUTTERFIELD 4300

MUC PA 8/31
NPD
Jm

To: Dr. Leo Szilard

From: H. E. Metcalf

This will acknowledge receipt of your letter original and carbon copy, dated February 9, 1945 MUC-LS 54 and MUC-LS 55, relating to Cases S-2321 and S-668X respectively. Copies of these letters were sent to Capt. R. A. Lavender under date of 12 February, and it is believed that Capt. Lavender will answer you directly concerning the matters which you called to our attention.



H. E. Metcalf, Lt.Col.,C.E.
Advisor on Patent Matters
O.S.R.D., Chicago Group

HWJ:mf

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Series A

Metallurgical Laboratory

P.O. BOX 5207
CHICAGO 80, ILLINOIS

Muc - 0a 8293

BUTTERFIELD 4300

26 February 1945

NIPV
John
deput

To: Dr. Leo Szilard

From: H. E. Metcalf

I have asked Mr. Test and Mr. Johnson to present the following cases to you for signature.

Case 506 This case, at your own suggestion, was first sent to Dr. Fermi for review and signature. It is now signed by Dr. Fermi.

Case 348 This case, at your own suggestion, was first modified and, again at your own suggestion, was reviewed by Dr. Wigner. It is now signed by Dr. Wigner.

Case 668X This case, at your own suggestion, had a broad claim added, and again, at your own suggestion was referred to Dr. Tellar, for advice as to whether you should sign it. Dr. Tellar has advised you that it is proper for you to sign this case.

Case 1051 This is a case on bismuth cooling, your sole invention written up from information furnished by you. You have had it for review for several weeks. When can I expect your consideration and signature on this case?

I see no reason why you cannot now execute these cases but if you now feel you have any valid reason you cannot sign these cases, please advise me in writing immediately.

H. E. Metcalf

H. E. Metcalf, Lt. Col., C.E.
Advisor on Patent Matters
O.S.R.D., Chicago Group

mf

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SECRET

March 20, 1945

Tolman

Dr. Richard C. Tolman
2101 Constitution Avenue
Washington, D. C.

Dear Dr. Tolman:

Dr. Szilard, who is out of Chicago, has asked me to send the inclosed documents to him in your care and to tell you that he will call you on his arrival in Washington either Thursday or Friday to make an appointment to discuss these documents with you.

Yours sincerely,

Secretary

This document consists of 1 pages
and 0 figures. No. 1 of 5 copies,
Series 7

Muc-Oa 8486

Metallurgical Laboratory

P.O. BOX 5207
CHICAGO 80, ILLINOIS

22 March 1945

~~SECRET~~

BUTTERFIELD 4300

MPJ

*other papers returned
to Lt Johnson 5-2-45
as Szilard has agreed
to sign papers.*

*508c
P. S. / Szilard*

Director, Metallurgical Laboratory

Dear Sir:

Dr. Leo Szilard has delayed signing an important patent application, namely Case S-506, air-cooled neutronic reactor, as a joint inventor with Dr. Fermi, who has already signed the application. Dr. Szilard has given as a reason for not signing this application as well as others, that he first desires to have a personal private copy of the applications. This request has been refused by Captain Lavender.

However, this particular application covers work done by Dr. Szilard while in the employment of the Metallurgical Laboratory, as evidenced by a report entitled "On the Cooling of the Power Plant", dated June 15, 1942.

An investigation of the personnel file of Dr. Szilard indicates he was at that time bound by the provisions of a patent agreement signed by him on June 29, 1942 "to do whatever is necessary to take out patents" on inventions made in connection with the work on which he was employed "from the time of entering the employment of said Laboratory" which was 1 February 1942.

It is therefore formally requested that Dr. Szilard be required to abide by the terms of his employment and patent agreements and to sign Case 506, with which he is thoroughly familiar.

I am enclosing a copy of the patent agreement he signed, and the application on Case 506, together with the formal papers therefor, flagged in the places requiring Dr. Szilard's signature.

H. E. Metcalf

H. E. Metcalf, Lt. Col., C.E.
Advisor on Patent Matters
O.S.R.D., Chicago Group

- Copy 1 - Addressee
- 2 - Hawkins
- 3 - File
- 4 - File

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~~SECRET~~

C O P Y

Chicago, Ill. June 29, 1942

C
O
P
Y

IN CONSIDERATION of my employment by the Metallurgical Laboratory of the University of Chicago, I agree that I will communicate to the Director, or such other individual as the Director may from time to time designate, all inventions in connection with the work on which I am employed and generally any and all inventions relating to physics, chemistry or the mechanical or electrical arts, or their application to industry, which I may make from the time of entering the employment of said Laboratory until I leave said employment, and will, under the direction of said Laboratory, do whatever is necessary to take out patents on these inventions in all or any countries as, and when, requested before or after leaving its employment, and will assign the inventions and all patents and applications relating to them to the University of Chicago, as and when, requested before or after leaving its employment, it being understood that the necessary cost and expense of making such assignments and procuring such Letters Patent shall be paid by others than myself. I recognize that the making of such inventions and transferring them to the University of Chicago is an important part of the work for which I and the other employees of said Division in its laboratory are employed, and I accept my employment with this understanding and agree to perform said duties fully in letter and in spirit.

Witness my hand and seal.

Signature L. Szilard (Seal)

Witness Mildred Thompson

C O P Y

~~SECRET~~

+

MR Tolman

OFFICE FOR EMERGENCY MANAGEMENT
NATIONAL DEFENSE RESEARCH COMMITTEE
OF THE
OFFICE OF SCIENTIFIC RESEARCH AND DEVELOPMENT

JAMES B. CONANT, Chairman
RICHARD C. TOLMAN, Vice Chairman
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MAJ. GEN. CLARENCE C. WILLIAMS

IRVIN STEWART, Executive Secretary

1530 P STREET NW.
WASHINGTON, D. C.

Room 1814
Munitions Bldg.

March 24, 1945

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Tolman

Dr. L. Szilard
Metallurgical Laboratory
University of Chicago
Chicago, Illinois

My dear Dr. Szilard:

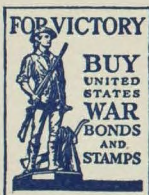
In accordance with our recent discussion,
I am returning herewith one of your manuscripts.
Thank you very much for letting me see it. I am
keeping the other manuscript as agreed.

Sincerely yours,

Richard C. Tolman

Richard C. Tolman
Vice-Chairman
NDRC

Enclosure - 1



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Metallurgical Laboratory

P.O. BOX 5207
CHICAGO 80, ILLINOIS

17 April 1945

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Muc 82 A932

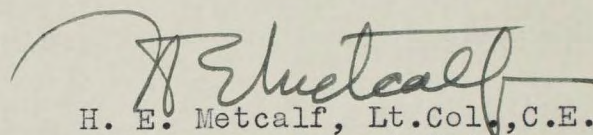
To: Dr. Leo P. Szilard

From: H. E. Metcalf

Re: Case S-501

In response to your request and in connection with Canadian and British applications corresponding to the above case number which you executed today, I would advise that the British agent whom you appointed is Bennett Archambault of the London Mission Office of Scientific Research and Development, United States Embassy, London, England.

Lt. Johnson has advised me that inasmuch as clearance has been obtained for your attorney, Mr. Hume, for giving advice as to interpretation of your December 3rd contract, you will be in a position within a few days to reconsider the execution of the cases previously presented to you which include S-348, S-506 and S-1051. Inasmuch as considerable delay has been occasioned in connection with these cases your consideration of this matter at an early date will be greatly appreciated.



H. E. Metcalf, Lt. Col., C.E.
Advisor on Patent Matters
O.S.R.D., Chicago Group

HWJ:mf

~~SECRET~~

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Series 7

Muc-Oa 9301

METALLURGICAL LABORATORY
O.S.R.D. Chicago Patent Group
April 30, 1945

*MRO
Lauender*

To: Leo P. Szilard
From: H. E. Metcalf

Re: Canadian Agents appointed for
Prosecution of your Cases in Canada

You recently inquired as to the agent whom you appointed to prosecute Canadian applications in which you are the sole or joint inventor. At the present time, the Washington office of the O.S.R.D. Patent Group is filing Canadian applications directly with the Canadian Commissioner of Patents through the U. S. Embassy and no agent at present has been appointed.

This procedure has been adopted in view of the fact that the Canadian applications are all under secrecy orders in accordance with Canadian defense regulations. Papers, therefore, are complete when presented to you even though the name of the agent is left blank, as such is the requirement of the Canadian Commissioner of Patents with respect to these cases. I trust that this answers your recent questions that you presented to Lt. Johnson.

H. E. Metcalf
H. E. Metcalf, Lt. Col., C.E.
Advisor on Patent Matters
O.S.R.D., Chicago Group

HWJ:mf

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R E S T R I C T E D

No. 1 A

METALLURGICAL LABORATORY
P.O.Box 5207
Chicago 80, Illinois

~~XXXXXX~~

March 11, 1946

Re: Case No. S-348
Serial No. 649,808
Filing Date February 20, 1946

Dear Dr. Szilard,

Your patent application identified above has been filed in the United States Patent Office. You no doubt will receive from the Patent Office a notice of issuance of an order of Secrecy under Public Law 700 together with a request that the application be tendered for the use of the United States Government. You will also receive a receipt to be filled in and returned to the Patent Office in Washington.

Kindly execute and return the receipt to the Patent Office. Do NOT tender the invention in this application to the Government as requested by the notice, as you have already assigned the invention to the Government as represented by the Director of the Office of Scientific Research and Development.

If you should receive a request for tender from some other Government agency, please send such request to me or to Captain Robert A. Lavender, 1530 P St., N.W., Washington 25, D. C. A tender by you to some other Government agency would only complicate matters in view of the fact that you have already assigned the invention to the Government.

Very truly yours,

R. S. Chisholm, Lt. Comdr. USNR

~~XXXXXXXXXXXXXXXXXXXX~~

O.S.R.D., Chicago Group

nhm

Dr. Leo Szilard
Eck. Hall

R E S T R I C T E D

~~SECRET~~

This document consists of 1 pages
and 0 figures. No. 1 of 2 copies.
Series A Muc O a 9376

METALLURGICAL LABORATORY
P. O. Box 5207
Chicago 80, Illinois

May 2, 1945

*Attached papers
returned to Patent
Office 5/28/45*

*508e
P. 26
Szilard*

*NRD
John*

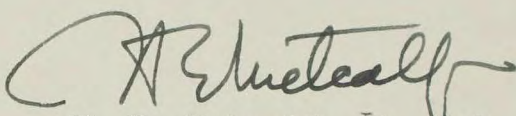
To: Director of Metallurgical Laboratory
Attention: Mr. J. C. Stearns

From: H. E. Metcalf

This will further acknowledge receipt of the formal papers from you in connection with an application to be filed for Dr. Leo Szilard, our reference Case No. S-506, and to advise you that this case was executed by Dr. Szilard today.

I am enclosing herewith another Case S-1578, covering work done by Dr. Szilard jointly with Gale J. Young while in the employment of the Metallurgical Laboratory on or about October 1, 1943. In view of this fact, Dr. Szilard is bound by provisions of a patent agreement signed by him on June 29, 1942 "to do whatever is necessary to take out patents" on inventions made in connection with the work on which he was employed "from the time of entering the employment of said Laboratory".

It is requested that the enclosed papers relating to Case S-1578 be presented to Dr. Szilard for his signature in the places ~~flashed~~ therefor.



H. E. Metcalf, Lt. Col., C.E.
Advisor on Patent Matters
O.S.R.D., Chicago Group

HEM:mf

~~This document contains information affecting the National Defense of the United States within the meaning of the Espionage Act, U.S.C. 50: 31 and 32. Its transmission or the revelation of its contents in any manner to an unauthorized person is prohibited by law.~~

~~SECRET~~

RESTRICTED

No. 1 A

METALLURGICAL LABORATORY
P.O.Box 5207
Chicago 80, Illinois
14 June 1945

~~XXXXXX~~

Re: Case No. S-506
Serial No. 596,465
Filing Date May 29, 1945

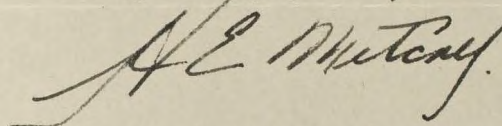
Dear Dr. Szilard:

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Very truly yours,



H. E. Metcalf, Lt. Col., C.E.
O.S.R.D., Chicago Group

rs

RESTRICTED

Eckhart

~~SECRET~~

Metallurgical Laboratory MUC-LS-72

This document consists of 1 pages and 0 figures
No. 2 of 2 copies, Series A

July 25, 1945

THIS DOCUMENT HAS BEEN
TAKEN FROM A FILE OF THE
ARGONNE NATIONAL LABORATORY
AND WAS TURNED OVER TO
DR. LEO SZILARD ON
1950

MRD
copy

1950
Dr. Leo Szilard
1950

Dr. R. C. Tolman
National Defense Research Committee
Munitions Building, Room 1016
Washington, D. C.

Dear Dr. Tolman:

I am enclosing a letter which I wrote to Captain Lavender on February 27 of this year and a letter which I am writing today to Major Pierce in General Groves' office.

While I have no reason to believe that you are concerned with matters of this sort it is my understanding that someone told you of the difficulties which are in the way of getting the patents filed of which I am supposed to be the inventor. The enclosed copies will give you information as to the cause of these difficulties.

I am also enclosing a copy of a petition which was signed by 67 scientists within the Chicago Project. As you will see it is limited to the moral aspect in the issue.

Very sincerely yours,

Leo Szilard

LS:sw

enc. (3)

~~SECRET~~

Metallurgical Laboratory

P.O. BOX 5207
CHICAGO 80, ILLINOIS

BUTTERFIELD 4300

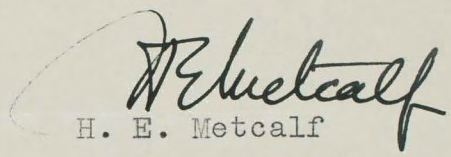
4 August 1945

TO: Dr. Leo Szilard:

FROM: Lt. Col. H. E. Metcalf

Re: S-668X

Confirming conversation that you had with Lt. Johnson, I am unable to comply with your request to make a copy of application S-668X available immediately, inasmuch as the complete records on this case were forwarded recently to our Washington office. I have suggested that the Washington office return a copy of this case, so that it may be made available to you as soon as possible.


H. E. Metcalf

HEM:gpp

Metallurgical Laboratory

P.O. BOX 5207
CHICAGO 80, ILLINOIS

BUTTERFIELD 4300

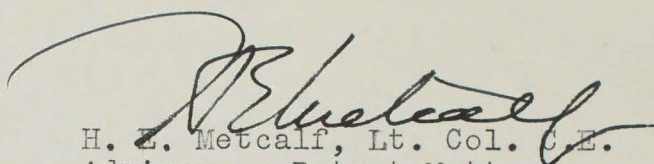
20 August 1945

To: Dr. Szilard
From: H. E. Metcalf, Lt. Col., C.E.
Re: S-668-X

Dear Dr. Szilard:

In line with my letter to you 4 August 1945, I can now advise that a copy of your case, number above identified, has been received and it is available for your inspection at any time you find it convenient to go over the file.

Very truly yours,



H. E. Metcalf, Lt. Col. C.E.
Advisor on Patent Matters
O.S.R.D., Chicago Group

HWJ:dm

R E S T R I C T E D

METALLURGICAL LABORATORY
P. O. Box 5207
Chicago 80, Illinois

Dr. Leo Szilard
c/o Director of Metallurgical Labs. May 11, 1946

Re: Case No. S-1738
 Serial No. 662,512
 Filing Date April 16, 1946

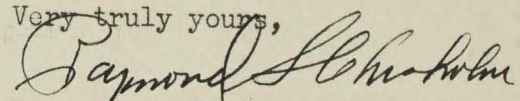
Dear Dr. Szilard:

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Very truly yours,



Raymond S. Chisholm, Lt. Cmdr. USNR
O.S.R.D., Chicago Patent Group

rs

R E S T R I C T E D

R E S T R I C T E D

METALLURGICAL LABORATORY
P. O. Box 5207
Chicago 80, Illinois

Dr. Leo Szilard
c/o Director of the Metallurgical Laboratory

May 16, 1946

Re: Case No. S-1036
Serial No. 663,452
Filing Date April 19, 1946

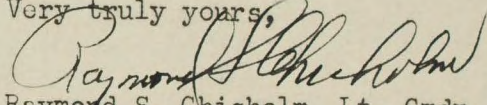
Dear Dr. Szilard:

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Very truly yours,


Raymond S. Chisholm, Lt. Cmdr. USNR
O.S.R.D., Chicago Patent Group

rs

R E S T R I C T E D

R E S T R I C T E D

METALLURGICAL LABORATORY
P. O. Box 5207
Chicago 80, Illinois

May 17, 1946

Dr. Leo Szilard
c/o Farrington Daniels
Director of Metallurgical Laboratory

Re: Case No. S-1051
Serial No. 664,145
Filing Date April 23, 1946

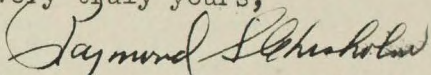
Dear Dr. Szilard:

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Very truly yours,



Raymond S. Chisholm, Lt. Cmdr. USNR
O.S.R.D., Chicago Patent Group

rs

R E S T R I C T E D

RESTRICTED

METALLURGICAL LABORATORY
P. O. Box 5207
Chicago 80, Illinois

May 17, 1946

Dr. Leo Szilard
c/o Farrington Daniels
Director of Metallurgical Laboratory

Re: Case No. S-1578
Serial No. 664,732
Filing Date April 25, 1946

Dear Dr. Szilard:

Your patent application identified above has been filed in the United States Patent Office. You no doubt will receive from the Patent Office a notice of issuance of an order of Secrecy under Public Law 700 together with a request that the application be tendered for the use of the United States Government. You will also receive a receipt to be filled in and returned to the Patent Office in Washington.

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Very truly yours,

Raymond S. Chisholm
Raymond S. Chisholm, Lt. Cmdr. USNR
O.S.R.D., Chicago Patent Group

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OFFICE FOR EMERGENCY MANAGEMENT
OFFICE OF SCIENTIFIC RESEARCH AND DEVELOPMENT

1530 P STREET NW.
WASHINGTON, D. C.

VANNEVAR BUSH
Director

May 28, 1946

REFER: SO:IBG

Dr. Leo Szilard
Metallurgical Laboratory
P. O. Box 5207
Chicago 80, Ill.

Dear Dr. Szilard:

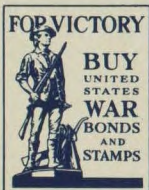
Thank you for your letter of May 15, 1946 in reply to Mr. Norcross's letter of May 8, 1946 relative to the return of classified documents.

Our records show that the only OSRD appointments you held were concerned with S-1 work. We have been conferring with the Manhattan District and attempting to formulate a policy and procedure to be followed by former OSRD appointees in connection with the disposition of their records relating to nucleonic research. If you find that you have any material relating to nucleonic research, you should continue to store it in accordance with security regulations, and, as soon as we reach an understanding with the Manhattan District, we shall send you specific instructions relative to the disposition of the material.

I am sorry that we are not able to give you a list of the documents for which you are accountable to the OSRD, but a review of your file indicates that the ones for which you are accountable would be those you may have received as a result of your appointments as Consultant to Section S-1 and as a Member of Subsections 2 and 4 of Section S-1. If there is any doubt in your mind whether you are accountable to the OSRD for any of the material in your files, it may be well for you to send us a list of the documents which you believe you received as a result of your appointments, and we shall then be able to advise you more specifically.

Very truly yours,

Lee Anna Embrey
Lee Anna Embrey
Administrative Officer



R

METALLURGICAL LABORATORY
P. O. Box 5207, Chicago 80, Ill.
OFFICE OF THE DIRECTOR

R E S T R I C T E D

MAY 31 1946

METALLURGICAL LABORATORY
P. O. Box 5207
Chicago 80, Illinois

A.M. P.M.
7|8|9|10|11|12|1|2|3|4|5|6

May 29, 1946

Dr. Leo Szilard
c/o Director of Metallurgical Laboratory
University of Chicago

Re: Case No. S-2247
Serial No. 668,110
Filing Date May 8, 1946

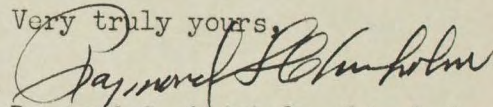
Dear Dr. Szilard:

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Very truly yours,



Raymond S. Chisholm, Lt. Cmdr. USNR
O.S.R.D., Chicago Patent Group

R E S T R I C T E D

METALLURGICAL LABORATORY
P. O. Box 5207, Chicago 80, Ill.
OFFICE OF THE DIRECTOR

JUN 7 - 1946

A.M. P.M.
7 8 9 10 11 12 1 2 3 4 5 6

R E S T R I C T E D

METALLURGICAL LABORATORY
P. O. Box 5207
Chicago 80, Illinois
6 June 1946

Dr. Leo Szilard
c/o Director of Metallurgical Laboratory
University of Chicago

Re: Case No. S-98
Serial No. 669,524
Filing Date May 14, 1946

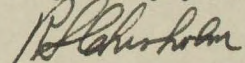
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Very truly yours,


Raymond S. Chisholm, Lt. Cmdr. USNR
O.S.R.D., Chicago Patent Group

rs

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This document consists of 1 page
No. 1 of 2 copies, series 17

No. 1

Metallurgical Laboratory

P.O. BOX 5207
CHICAGO 80, ILLINOIS

MUC PA

75-13

X

28 December 1944

BUTTERFIELD 4300

WRD
Jhm

Dr. Leo Szilard
330 Eckhart

Re: Case No. S-2321
Fermi & Szilard

Dear Dr. Szilard:

Your patent application identified above has been filed in the United States Patent Office. You no doubt will receive from the Patent Office a notice of issuance of an order of Secrecy under Public Law 700 requesting that the application be tendered for the use of the United States Government. You will also receive a receipt to be filled in and returned to the Patent Office.

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Very truly yours,

H. E. Metcalf

H. E. Metcalf, Lt. Col. C.E.
Advisor on Patent Matters
O.S.R.D., Chicago Group

gma

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~~SECRET~~