

U. S. NAVY  
OFFICE OF NAVAL RESEARCH  
BRANCH OFFICE  
844 NORTH RUSH STREET  
CHICAGO 11, ILLINOIS

ONR Chi/L4-3  
Univ of Chicago  
(JJM:lh)  
Serial No. 4221-50

5 May 1950

Mr. W. B. Harrell  
Business Manager  
University of Chicago  
Chicago 37, Illinois

Dear Mr. Harrell:

We wish to acknowledge receipt of your 3 May letter enclosing the proposal "Study of the Growth, Adaptation, and Mutation of Bacteria and Bacterial Viruses, Carried Out with New Biophysical Methods" by Dr. Leo Szilard.

This proposal has been forwarded to ONR Washington for consideration by the Bio Sciences Division. It is anticipated that you will be advised directly when a decision regarding possible support has been reached.

Yours very truly,

HARRY C. KELLY  
Head, Scientific Section  
By direction of the Commanding Officer

Copy to:  
Dr. Leo Szilard  
CNR Wash (439)



DEPARTMENT OF THE NAVY  
OFFICE OF NAVAL RESEARCH  
WASHINGTON 25, D. C.

MAY 10 1950

IN REPLY REFER TO

ONR:439:deg

Ser:

9654

Dr. Leo Szilard  
Professor of Biophysics  
Institute of Radiobiology and Biophysics  
University of Chicago  
Chicago 37, Illinois

Dear Doctor Szilard:

This is to acknowledge the receipt of your research proposal requesting support for work on "A Study of the Growth, Adaptation and Mutation of Bacteria and Bacterial Viruses Carried out with New Biophysical Methods".

This research proposal is being sent to the cognizant Branch for consideration.

You may expect to hear from the Branch Head in the near future.

Sincerely yours,

*D. E. Gruber*

D. E. GRUBER  
Exchange of Information Clerk

Copy to:  
ONR, Chicago



DEPARTMENT OF THE NAVY  
OFFICE OF NAVAL RESEARCH  
WASHINGTON 25, D. C.

IN REPLY REFER TO  
ONR:443;RDR:bw  
NR 135-056  
Ser: 7230

APR 3 1951

Dr. Leo Szilard  
Institute of Radiobiology and Biophysics  
The University of Chicago  
Chicago 37, Illinois

Dear Doctor Szilard:

Thank you for your letter dated 5 March 1951 with reference to your proposal NR 135-056 which is presently in the hands of the Microbiology Branch of the Office of Naval Research. I am also pleased to have the reprints enclosed.

We had hoped to be in a position to support this proposal at the level suggested in the revised budget submitted to us on 21 February 1951. Since funds are not presently available, I appreciate your suggestion that the proposal be referred to the Biochemistry Branch. I have, therefore, discussed the matter briefly with Mr. William V. Consolazio, Head of that branch, and will pass on his suggestion to you; that is, to acquaint him with the nature of the project as it is now being considered. You state that "our work has in the meantime shifted somewhat towards the biochemical side". In view of this, it would be advisable to submit an entirely new proposal directly to the Biochemistry Branch. If you should care to do this, I would suggest that you take care of the matter immediately so that it might be reviewed at the next meeting of the Biochemistry Advisory Panel, which will be held in the not distant future.

With kindest regards.

Sincerely yours,

A handwritten signature in cursive script that reads "Roger D. Reid".

ROGER D. REID

Head, Microbiology Branch

By direction of Chief of Naval Research

Copy to: ONR Chicago Branch Office  
Code 442

Code 443  
Code for Old Chicago Branch Office

In direction of Chief of Naval Research  
Head, Microbiology Branch

ROBERT D. HEID

Sincerely yours,

60  
58  
76  
34  
42  
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43

7 | 373  
53

With kindest regards,

not disjunct figures.  
meeting of the Biochemically Advisory Panel, which will be held in the  
care of the matter immediately so that it might be reviewed at the next  
Branch. If you should care to do this, I would suggest that you take  
advantage to submit an entirely new proposal directly to the Biochemically  
somewhat towards the biochemical side". In view of this, it would be  
being considered. You state that your work has in the opinion of  
that is, to retaining him with the name of the project as it is now  
soluble, head of that branch, and will base on his suggestion to you;  
have, therefore, discussed the matter briefly with Mr. William V. Con-  
fection that the proposal be referred to the Biochemically Branch. I  
1931. Since funds are not presently available, I enclose the your an-  
level suggested in the revised budget submitted to us on 21 February.  
We had hoped to be in a position to support this proposal at the  
to have the requisite enclosed.

biological branch of the Office of Naval Research. I am also pleased  
your proposal NSR 133-018 which is presently in the hands of the Micro-

Thank you for your letter dated 2 March 1931 with reference to

Dear Doctor Swingle:

Chicago 34, Illinois  
The University of Chicago  
Institute of Radiobiology and Biophysics  
Dr. Leo Swingle

APR 3 1931

4733

FOR: 4733  
BY: 133-018  
ONE: 443  
IN REPLY REFER TO



WASHINGTON 25, D. C.  
OFFICE OF NAVAL RESEARCH  
DEPARTMENT OF THE NAVY



DEPARTMENT OF THE NAVY  
OFFICE OF NAVAL RESEARCH  
WASHINGTON 25, D. C.

IN REPLY REFER TO  
ONR: 442:MH:dm  
Ser

9179

APR 18 1951

Dr. Leo Szilard  
Professor of Biophysics  
University of Chicago  
Chicago 37, Illinois

Dear Dr. Szilard:

Your proposal entitled "To Determine the Relationships between Chemical Structure and Mutagenic Activity" has been referred to the Biochemistry Branch of the Office of Naval Research under the code designation, GLH 146.

Your proposal will be reviewed at the next meeting of the Advisory Committee of Biochemistry which will probably be held in May.

Proposals endorsed by the Committee at the May 1951 meeting will be activated early in fiscal year 1952 within the limits of our allocations.

Your interest in the Naval Research program is very gratifying to us.

Sincerely yours,

*William V. Consolazio*  
WILLIAM V. CONSOLAZIO  
Head, Biochemistry Branch  
By direction of  
Chief of Naval Research

5650 Ellis Avenue

October 19, 1951

Dr. I. Estermann  
Department of the Navy  
Office of Naval Research  
Washington 25, D. C.

Dear Estermann:

I wonder whether you could help us in the following matter:  
I applied in April for a grant of \$8,834.00 to the Biochemistry Branch of the Office of Naval Research and heard soon afterwards through the grapevine that the panel made a strong recommendation in its favor. According to a letter dated October 12th, ONR:442:LL:dm, Serial #27574, written by Louis Levin to T. H. Davies, the Acting Director of the Institute of Radiobiology and Biophysics, my application has been approved and has been held in the hope that funds which may become available will make it possible to activate the project. The letter goes on saying, "It must be admitted, however, that at the present time the prospects are not encouraging. It therefore may be well for you and Dr. Szilard to explore other avenues of obtaining support for this worthy project."

I am writing to find out whether it would be possible to have funds of the Physics or Biophysics Branch made available for this work, inasmuch as I am really a physicist more than a biochemist. The project, as described in the application, deals with the relation

Dr. I. Estermann

- 2 -

October 19, 1951

between chemical structure and mutagenic activity. I would appreciate your letting me know at your convenience whether such a transfer of application is feasible and advisable and what we would have to do to accomplish it.

Sincerely yours,

Leo Szilard

LS/sds

cc: T. H. Davies



DEPARTMENT OF THE NAVY  
OFFICE OF NAVAL RESEARCH  
WASHINGTON 25, D. C.

IN REPLY REFER TO  
ONR:419:IE:alp  
2 November 1951

Dr. Leo Szilard  
Institute of Radiobiology  
and Biophysics  
The University of Chicago  
5650 Ellis Avenue  
Chicago 37, Illinois

Dear Szilard:

Since I had planned to attend the meetings of the American Institute of Physics in Chicago last week I did not reply to your letter of 19 October, hoping to be able to give you the information verbally. It is an unfortunate situation that the number of proposals received by the Office of Naval Research during the last year has increased by a large amount, while the available funds have remained more or less constant. For this reason, many worthwhile proposals had to be held up temporarily. Regarding your own project, it is quite possible to transfer it to the Biophysics Section, but the situation regarding funds there may be quite similar to that in the Biochemistry Branch. I have discussed your program with Mrs. Elizabeth Kelly, who is in charge of the Biophysics program, and she will try to do whatever can be done. A formal transfer of the application is not necessary.

I regret very much that I cannot do more at this time since both Biophysics and Biochemistry are outside the scope of my division.

With best regards.

Sincerely yours,

*I. Estermann*  
I. ESTERMANN, Director  
Material Sciences Division



DEPARTMENT OF THE NAVY

OFFICE OF NAVAL RESEARCH

WASHINGTON 25, D. C.



2 November 1951  
GMR:AI:IR:alg

[Redacted]

Dr. Leo Salard  
Institute of Radiobiology  
and Biophysics  
The University of Chicago  
5630 Ellis Avenue  
Chicago 37, Illinois

Dear Sir:

Handwritten initials "H" and "W" with a large diagonal line through them.

Since I had to attend the meeting of the American Institute of  
Physics in New York last week I did not reply to your letter of 19 October,  
hoping to be able to give you the information very shortly. It is an un-  
fortunate circumstance that the number of proposals received by the Office of  
Naval Research during the first year has increased by a large amount, while  
the available funds has remained more or less constant. For this reason,  
many worthwhile proposals had to be held up temporarily. Regarding your  
own project, it is quite desirable to transfer it to the Biophysics Section,  
but the situation regarding funds there is quite similar to that in  
the Biochemistry Branch. I have discussed your program with Mrs. Elizabeth  
Kelly, who is in charge of the Biophysics program, and she will try to do  
whatever can be done. A formal transfer of the application is not necessary.  
I regret very much that I cannot do more for this time since both Biophysics  
and Biochemistry are outside the scope of my Division.

[Redacted]

With best regards,

Sincerely yours,

J. ESTERMAN, Director  
Material Sciences Division

Handwritten scribbles and lines, including a signature that appears to be "H. W." and several vertical and diagonal lines.



DEPARTMENT OF THE NAVY  
OFFICE OF NAVAL RESEARCH  
WASHINGTON 25, D. C.

IN REPLY REFER TO  
ONR:441:gjs  
NR 119-221  
Ser 31659

DEC 4 1951

Dr. Leo Szilard  
Professor of Biophysics  
Institute of Radiobiology and Biophysics  
University of Chicago  
Chicago, Illinois

Dear Dr. Szilard:

We are pleased to inform you that your research proposal on "Study of the Growth, Adaptation and Mutation of Bacteria and Bacterial Viruses Carried out With New Biophysical Methods" has been approved for support and has been forwarded to the Contract Division for negotiation. The number NR 119-221 has been assigned to this project for reference purposes.

Since contractual negotiations are the function of the Contract Division, this notification of approval does not include authorization for contractual liabilities under the proposed contract. The Contract Division of this Office will communicate with your laboratory in the near future regarding negotiation of this contract.

Sincerely yours,

A handwritten signature in cursive script, reading "F. H. Quimby".

F. H. QUIMBY  
Head, Physiology Branch  
By direction of  
Chief of Naval Research

Copy to:  
ONR - Chicago

Copies made for: Mr. Harrell  
Dean Coggeshall  
Mr. Davies  
Mr. Short

1155 East 57th Street  
Chicago 37, Illinois  
December 11, 1951

Mrs. Elizabeth K. Kelly  
Department of the Navy  
Office of Naval Research  
Washington 25, D.C.

Dear Mrs. Kelly:

I am writing to say how very much we appreciate the kind interest which you have taken in the research proposal which we had submitted to the Office of Naval Research. It was exceedingly kind of you to concern yourself with this matter, and we consider ourselves fortunate in having you as a Guardian Angel in the Office of Naval Research.

Very sincerely yours,

Leo Szilard

1155 East 57th Street  
Chicago 37, Illinois  
December 12, 1951

Mr. F. H. Quimby  
Head of the Physiology Branch  
Department of the Navy  
Office of Naval Research  
Washington 25, D.C.

Reference No.  
ONR: 441: gjs  
NR 119-221  
Ser 31659

Dear Mr. Quimby:

I am writing to thank you for your letter of December 4th. It was, indeed, a great pleasure to learn that your branch has approved my research proposal and I appreciate very much the action taken by you.

I am enclosing a manuscript giving our latest results which have been written up. This paper will appear in the 1951 issue of the Cold Spring Harbor Symposia.

Sincerely yours,

Leo Szilard

m  
Encl.



DEPARTMENT OF THE NAVY  
OFFICE OF NAVAL RESEARCH  
WASHINGTON 25, D. C.

IN REPLY REFER TO  
ONR:441:EKK:mpm  
NR 119-221  
Ser

15783

JUN 12 1952

Dr. Leo Szilard  
University of Chicago  
Institute of Radiobiology and Biophysics  
Chicago, Illinois

Dear Dr. Szilard:

After reading your "Mark Gable Foundation," I thought you might find the enclosed clipping of interest. Frankly, these new biological possibilities make life of the future sound rather dull.

After discussing the overhead problem once more with our Contract Division, it remains my understanding that it is not an ONR policy to pay a higher overhead rate than some other agency, when essentially the same research program is being supported by both agencies. If you are planning on requesting renewal of your contract, you should discuss the overhead rate with Mr. Harrell of your business office.

As always, my visit to your laboratory was most interesting.

Sincerely yours,

*Elizabeth K. Kelly*

ELIZABETH K. KELLY  
Head, Biophysics Section  
Physiology Branch  
Biological Sciences Division

Copy to:  
ONR - Chicago

*Copy made for Mr. Davies 6/23/52. sda*

## ENVISIONS MAN MADE TO ORDER

A University of Chicago physiologist recently envisioned the possibility of "man made to order" by control of heredity and pre-natal environment.

Dr. Ralph W. Gerard said that scientists of the future may be able to mate the eggs and sperm of selected parents in a laboratory test tube, with the embryonic infant then being transferred to the womb of a foster mother for nurture and delivery.

Such "biological tinkering" as he described would create new problems, Dr. Gerard admitted. One would be the question whether all persons should be kept uniform or different castes be cre-

ated. "A world in which all persons have the same height or brawn or beauty or longevity and the same capacity for reasoning, memory, humor or altruism could be a monotonous one," he added.

Dr. Gerard cautioned that the new ages to be ushered in by these epochal advances are still some time away.

"It is rash to mention them," he explained. "It would be foolhardy to date them."

When and if they do come, Dr. Gerard added, it will be due to the vast accumulation of basic biological research that is going on throughout the nation's scientific laboratories.

5650 Ellis Avenue

June 23, 1952

Your reference:  
ONR:441:EKK:mpm  
NR 119-221  
Ser 15783

Dr. Elizabeth K. Kelly, Head  
Biophysics Section  
Physiology Branch  
Biological Sciences Division  
Office of Naval Research  
Washington 25, D. C.

Dear Mrs. Kelly:

Many thanks for your very kind letter of June 12th. Since you left, considerable progress was made in England in the direction of the "Mark Gable Foundation". Thirty-nine cows were inseminated with bull sperm that had been kept frozen for a while, and thirty pregnancies were obtained. This means we are practically "in business".

I shall discuss the problem of our contract with Harrison Davies, whom you have met, and if possible dump it into his lap.

Sincerely yours,

Leo Szilard

LS/sds

July 29, 1952

Your reference:  
ONR:441:EKK:mpm  
NR 119-221  
Ser 15783

Mrs. Elizabeth K. Kelly, Head  
Biophysics Section  
Physiology Branch  
Biological Sciences Division  
Office of Naval Research  
Washington 25, D. C.

Dear Mrs. Kelly:

I am coming back to your very kind letter of June 12, 1952. In this matter I suggested to Mr. Harrell that in my application for the renewal of the contract we charge either the same overhead as is allowable on grants from the National Institutes of Health or else, preferably, that we charge no overhead at all. Mr. Harrell, however, has informed me that he could not forward my application for renewal if it contained any other overhead than the standard overhead of 46% applicable to this type of contract. This leaves me no choice but to put in the standard overhead and let Mr. Harrell argue the matter with your Contract Division.

With best wishes,

Sincerely yours,

Leo Szilard

LS/sds



DEPARTMENT OF THE NAVY  
OFFICE OF NAVAL RESEARCH  
BRANCH OFFICE  
THE JOHN CRERAR LIBRARY BUILDING  
TENTH FLOOR, 86 EAST RANDOLPH STREET  
CHICAGO 1, ILLINOIS

Director  
ADDRESS REPLY TO  
DIRECTOR  
AND REFER TO:  
ONR Chi/L4-3  
Univ. of Chicago  
N6ori-02038/Gen  
NR 119-221  
RAC:va  
Ser 8954-52

15 December 1952

Mr. Wm. B. Harrell  
Business Manager  
University of Chicago  
Chicago 37, Illinois

Dear Mr. Harrell:

Reference is made to Contract N6ori-02038, NR 119 221, which expires on 31 December 1952.

As you know there are several contractual matters that must be complied with upon the expiration of the task order before this Office can certify and transmit for payment the final invoice and public voucher to be rendered under the task order.

Accordingly, please furnish the following documents to this Office:

1. An original and 4 copies of final certified property inventory lists of all Government property that was acquired by purchase, development, construction, transfer or otherwise.

The final inventory lists should make the following segregation of the property:

- (a) Plant equipment - Equipment of a capital nature - \$100 and over
- (b) Minor equipment - Equipment of a capital nature - under \$100
- (c) Material and Supplies
- (d) Special Tooling

Please indicate after the description or other appropriate location whether the property items were contractor purchased (CP) or Government furnished (GF). Also estimate a replacement value for any contractor constructed items.

Where an item of equipment appears to be neither on hand nor to have been expended in the performance of the task order, an explanation as to its disposition or loss must be furnished.

ONR Chi/LA-3  
Univ. of Chicago  
N6ori-02038/Gen  
Ser 8954-52

Page 17 of ONR's "Contractors' Manual", in your possession, contains a type of certification that must accompany the property lists.

2. An original and three copies of a certification with reference to the participation agreement set forth in Section L of the contract.

3. Submit to the Department of Defense Auditor an original and 7 copies of a "Contractor's Release to the Government" plus such other fiscal documents precedent to final payment that will be made known to you by the Auditor. Page 35 of the "Contractors' Manual" has a suggested form for the "Release".

If any of the required documents, and particularly the property records, cannot be submitted within a short period, please inform this Office of the reasons for the delay.

Very truly yours,

JOHN O. RICHARDSON  
Head, Contract Administration Department  
By direction of the Director

Copy to:  
Dr. Leo Szilard  
SCI, CA





DEPARTMENT OF THE NAVY  
OFFICE OF NAVAL RESEARCH  
WASHINGTON 25, D. C.

IN REPLY REFER TO  
ONR:441:EKK:gjs  
NR 119-221  
2 January 1953

Dr. Leo Szilard  
Professor of Biophysics  
Institute of Radiobiology and Biophysics  
University of Chicago  
Chicago, Illinois

Dear Dr. Szilard:

I will be in Chicago on 8 January. Would it be possible to see you and Dr. Novick at that time?

I will call your office on the morning of my arrival to find out if you are available.

Best wishes for the New Year.

Sincerely yours,

*Elizabeth K. Kelly*  
ELIZABETH K. KELLY  
Head, Biophysics Section  
Physiology Branch

Copy to:  
ONR - Chicago

January 6, 1953

Dr. Elizabeth K. Kelly  
Head, Biophysic Section  
Physiology Branch  
Department of the Navy  
Office of Naval Research  
Washington 25, D. C.

Dear Mrs. Kelly,

I just received your letter of January 2, as I was about to go out of town. I have to give an address before the New York Chapter of the Society of American Bacteriologists tomorrow and I don't expect to be back by the 8th, <sup>and</sup> so I will unfortanately miss you. However Dr. Novick will be here and he will be very happy to tell you what we are doing.

With kind regards,

Sincerely yours,

Leo Szilard

LS/llt

THE UNIVERSITY OF CHICAGO

DATE January 26, 1953

TO Dr. Leo Szilard

DEPARTMENT Institute of Radiobiology

FROM W. B. Harrell

DEPARTMENT Business Manager

Enclosed for your files is copy of Amendment No. 2  
to Contract Number: N6ori-02038 which provides for a  
change in the overhead rate to 44.47% for the calendar year 1952.

Will you please append this document to your copy of  
the contract .

This rate will prevail until a new rate is negotiated  
for 1953 for Department of Defense contracts (Army, Navy, Air Force).

*W B Harrell*

WBH:F:ab  
Enc.

DEPARTMENT OF THE NAVY  
OFFICE OF NAVAL RESEARCH  
WASHINGTON 25, D. C.

CONTRACT NUMBER: N6ori-02038  
AMENDMENT NUMBER: 2

ONR:263:CAH:bs  
N6ori-02038  
(Biological Sciences  
Division)

16 January 1953

The University of Chicago  
5801 Ellis Avenue  
Chicago 37, Illinois

Gentlemen:

To provide for a fixed in lieu of a provisional overhead rate under Task Order N6ori-02038, said Task Order, as amended, is hereby further amended by deleting Section D in its entirety and substituting in lieu thereof the following:

"SECTION D - The percentage to be applied with respect to this Task Order in accordance with the provisions of Section 4(a)(1)(H) of the contract shall be a fixed percentage, in the amount or amounts, and for the period or periods, specified below:

<u>%</u>	Period for which Applied	
	<u>From</u>	<u>To</u>
44.47%	1 January 1952	31 December 1952."

This amendment makes no change in the estimated cost of Task Order N6ori-02038.

CONTRACT NUMBER: N6ori-02038  
AMENDMENT NUMBER: 2

If the foregoing is acceptable to you, please indicate your acceptance thereof by executing the enclosed two (2) copies of this letter, and return them to the Office of Naval Research, whereupon this letter and your acceptance thereof will constitute this an amendment to the above numbered Task Order.

Sincerely yours,

/s/ R. H. Hefler  
R. H. HEFLER  
LCDR, SC, USN  
Contracting Officer  
Department of the Navy

ACCEPTED THE UNIVERSITY OF CHICAGO  
(Contractor)

By /s/ W. B. Harrell  
W. B. Harrell  
TITLE Business Manager

WITNESSES:

(1) \_\_\_\_\_  
(2) \_\_\_\_\_

NOTE: In the case of a corporation witnesses are not required but certificate below must be completed.

CERTIFICATE

I, Howard H. Moore, certify that I am the Secretary of the Board of Trustees of the corporation named as Contractor in the foregoing amendment; that W. B. Harrell, who signed said amendment on behalf of the Contractor was then Business Manager of said corporation; that said amendment was duly signed for and in behalf of said corporation by authority of its governing body and is within the scope of its corporate powers.

/s/ Howard H. Moore  
(Signature of person certifying)

(CORPORATE SEAL)



DEPARTMENT OF THE NAVY  
OFFICE OF NAVAL RESEARCH  
WASHINGTON 25, D. C.

IN REPLY REFER TO

ONR:441:EKK:mre  
NR 119-221  
Ser

1699

29 JAN 1954

Dr. Leo Szilard  
Institute of Radiobiology and Biophysics  
University of Chicago  
Chicago, Illinois

Dear Dr. Szilard:

This will acknowledge receipt of your final technical report covering work performed under your Office of Naval Research Contract Nonr-1059(00). We are pleased to inform you that this report has been accepted as a Final Report.

We greatly appreciate your cooperation and interest in the Office of Naval Research, and we hope that our past pleasant relationship will continue in the future.

Sincerely yours,

A handwritten signature in cursive script, reading "F. H. Quimby", is written over the typed name.

F. H. QIMBY  
Head, Physiology Branch  
By direction of  
Chief of Naval Research

Copy to:  
ONR/Chicago





COPY

CERTIFICATE OF COMPLIANCE WITH

SECTION C(2) OF CONTRACT NO.

Nonr-1059(00)

The undersigned contractor hereby certifies that the conditions have been complied with as set forth in Section C(2) of Contract Nonr-1059(00) to the extent of participation by Professor Leo Szilard as Principal Investigator and Assistant Professor Aaron Novick, part time.

THE UNIVERSITY OF CHICAGO

By \_\_\_\_\_  
W. B. Harrell  
Vice President

CERTIFICATE OF COMPLIANCE WITH CONTRACT PATENT PROVISIONS

Date June 11, 1954

Under: Contract No.: Nonr-1059(00)

~~Task Order No. xx~~

Contractor: The University of Chicago

The undersigned contractor hereby certifies that a complete written disclosure of any and all inventions made under Contract No. Nonr-1059(00), ~~Task Order~~ \_\_\_\_\_, has been delivered to the Contracting Officer or his designee as required by the terms of the contract and that all records, including notebooks and reports, maintained or prepared in the performance thereof have been examined for any inventions that should be reported.

The following schedule identifies, by the inventor, title and date of submission, all invention disclosures, if any, that have been submitted or are being submitted herewith in compliance with the terms of the above contract. This schedule further designates those inventions concerning which the contractor elects or has elected to file patent application. Other than those inventions reported in the disclosures listed in the following schedule, there are no inventions to report.

SCHEDULE OF INVENTION DISCLOSURES

<u>Inventor</u>	<u>Title of Invention</u>	<u>Date of Submission</u>	<u>Does Contractor elect to file Patent Application?</u>	
			<u>Yes</u>	<u>No</u>

Application #320,816 was filed November 15, 1952 and permitted to lapse for lack of patentable invention.

THE UNIVERSITY OF CHICAGO  
(Contractor)

By \_\_\_\_\_  
W. B. Harrell  
Vice President

APPROVED: \_\_\_\_\_  
(ONR Branch Office Patent  
Counsel)

APPROVED: \_\_\_\_\_  
(ONR Branch Office Contract  
Administrator or Chief  
Scientist)

November 16, 1961

Mr. C. A. Lowe  
Grants Management Officer  
Division of Research Grants  
Public Health Service  
Bethesda 14, Maryland

Dear Mr. Lowe:

Thank you for your letter of 8 November 1961 in regard to Grant No. PHS-RG-6876 under the direction of Professor Leo Szilard.

Upon further investigation it has been determined that supplemental funds will not be required for the "C1" and "C2" years of this grant for the purpose outlined in our letter.

We regret the delay in the submission of the final fiscal report for the initial year of the grant which terminated on 31 December 1960. However, we are advised by our Comptroller's office that one outstanding charge in the amount of approximately \$1,200 for stenographic services rendered in 1960 has not yet been received. It is expected that this will be taken care of in the near future and the report in question will be submitted at that time.

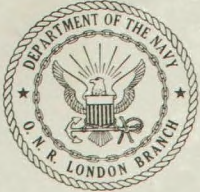
We regret any inconvenience caused you in this connection.

Sincerely yours,

Irene E. Fagerstrom  
Assistant Business Manager  
(Special Projects)

cc: Dr. Carl R. Brewer

bcc: Prof. Leo Szilard ✓  
Dean W. H. Zachariasen  
Mr. W. R. Rossman



DEPARTMENT OF THE NAVY  
OFFICE OF NAVAL RESEARCH, BRANCH OFFICE, LONDON  
NAVY 100, BOX 39, F.P.O. NEW YORK, N. Y.

In Reply Refer To:

44:DEG:dp

ALL/M2-4

Ser: **1551**

16 APR 1957

Professor Leo Szilard  
Department of Biophysics  
University of Chicago  
Chicago 37, Illinois

Dear Professor Szilard:

During a recent scientific liaison trip to India I had occasion to visit several organizations very much interested in extending their activities in biophysics and medical physics from the point of view of both research and teaching. These are: the Biophysics Division, Institute of Nuclear Physics, University College, Calcutta (Prof. N.N. Das Gupta), the School of Tropical Medicine, Calcutta (Dr. R.N. Chaudhury), the Chittaranjan Cancer Hospital, Calcutta (Dr. S. Mitra) and the Indian Cancer Research Center, Bombay (Prof. V.R. Khanolkar). These groups are aware of some of the activities in the United States and are very much interested in finding out as much as possible about the problems encountered and how they have been solved. I have taken the liberty of referring these people to you and hope that you will find it possible to give them such information and advice as may be appropriate. They are scientifically of high calibre but face considerable difficulties in building up active organizations under present day conditions in India.

Sincerely yours,

DAVID E. GOLDMAN

LCDR, MSC, USN

Scientific Liaison Officer

*File*

April 22, 1957

David E. Goldman, LCDR, MSC, USN  
Scientific Liaison Officer  
Department of the Navy  
Office of Naval Research, Branch Office, London  
Navy 100, Box 39, F.P.O., New York, N.Y.

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Dear Mr. Goldman:

I wish to thank you for your letter of April 16th, and to say that I shall be glad to see the gentlemen mentioned in your letter if they make an appointment.

Sincerely yours,

*Lh.*

Leo Szilard

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