

Early history of molecular biology - mid-west US '49-50

Around 1949-1950 Leo Szilard arranged for a series of meetings of the groups, largely in the mid-west to meet periodically to present and discuss their research on the genetics and physiology of bacteria and their viruses (phages). Included were Luria's group (Indiana and later Urbana), Lederberg (Madison) Hershey (St. Louis) and Spiegelman (Urbana) among others. Represented was the pioneer research which became molecular biology. These meetings were of great value in focussing attention on the major questions and served also to educate us. The latter purpose may have been the basis for Szilard's interest.

Gene Novick

June 10, 1950

Madison

Latarjet

Atrwood

Spiegelman

Hershey

Lederberg

Lederberg's + other Wisconsin people

Bertani

Szilard

Lerman

Novick

February 25, 1950

Chicago

Luria

Lederbergs (2)

Bertani

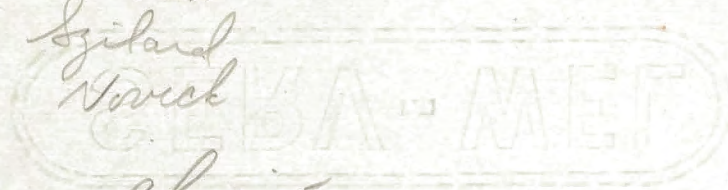
Lerman

Watson

Szilard

Hershey

Novick



Dec 19, 1949

Chicago

Delbrued

Spiegelman

Watson

Lederberg (2)

Hershey

Puck

Bertani

Luria

Kalckar

Szilard

R. Sussman

Novick

Lerman

Nov 5, 1949

Chicago

Spiegelman

Davis

Szilard

Stanier

Luria

Novick

Cloudoroff

Watson

Lerman

Lederberg (2)

Bertani

Summary compiled 12-3-50

# The University of Chicago

CHICAGO 37, ILLINOIS

Institute of Radiobiology and Biophysics

6200 Drexel Avenue

November 7, 1949

Dr. Bernard D. Davis  
Tbc. Research Laboratory  
411 East 69th Street  
New York 21, New York

Dear Bernie,

Enclosed find expense forms. Fill out one  
of the pink sheets lightly in pencil, sign all four  
forms where indicated, put in your receipts, and  
return to me. We will type out the forms and try  
to get your money back.

Sincerely,

Aaron Novick

AN/sds

# The University of Chicago

CHICAGO 37, ILLINOIS

Institute of Radiobiology and Biophysics

6200 Drexel Avenue

November 7, 1949

Professor S. Spiegelman  
Department of Bacteriology  
University of Illinois  
Urbana, Illinois

Dear Sol,

Enclosed find expense forms. Fill out one of the pink sheets lightly in pencil, sign all four forms where indicated, put in your receipts, and return to me. We will type out the forms and try to get your money back.

Sincerely,

Aaron Novick

AN/sds

# The University of Chicago

CHICAGO 37, ILLINOIS

Institute of Radiobiology and Biophysics

6200 Drexel Avenue

November 7, 1949

Professor S. E. Luria  
Department of Bacteriology  
Indiana University  
Bloomington, Indiana

Dear Salva,

Enclosed find expense forms. Fill out one of the pink sheets lightly in pencil, sign all four forms where indicated, put in your receipts, and return to me. We will type out the forms and try to get your money back.

Sincerely,

Aaron Novick

AN/sds

# The University of Chicago

CHICAGO 37, ILLINOIS

Institute of Radiobiology and Biophysics

6200 Drexel Avenue

November 7, 1949

Dr. Joshua Lederberg  
Department of Genetics  
College of Agriculture  
The University of Wisconsin  
Madison 6, Wisconsin

Dear Josh,

Enclosed find expense forms. Fill out one of the pink sheets lightly in pencil, sign all four forms where indicated, put in your receipts, and return to me. We will type out the forms and try to get your money back.

Sincerely,

Aaron Novick

AN/sds

# The University of Chicago

CHICAGO 37, ILLINOIS

Institute of Radiobiology and Biophysics

6200 Drexel Avenue

November 7, 1949

Professor Roger Stanier  
Department of Bacteriology  
University of California  
Berkeley 4, California

Dear Roger,

Enclosed find expense forms. Fill out one of the pink sheets lightly in pencil, sign all four forms where indicated, put in your receipts, and return to me. We will type out the forms and try to get your money back.

Sincerely,

Aaron Novick

AN/sds

The University of Chicago

CHICAGO 37, ILLINOIS

Institute of Radiobiology and Biophysics

6200 Drexel Avenue

November 7, 1949

Professor James Watson  
Department of Bacteriology  
Indiana University  
Bloomington, Indiana

Dear Jim,

Enclosed find expense forms. Fill out one of the pink sheets lightly in pencil, sign all four forms where indicated, put in your receipts, and return to me. We will type out the forms and try to get your money back.

Sincerely,

Aaron Novick

AN/sds



# The University of Chicago

CHICAGO 37, ILLINOIS

Institute of Radiobiology and Biophysics

6200 Drexel Avenue

November 7, 1949

Professor J. Bertani  
Department of Bacteriology  
Indiana University  
Bloomington, Indiana

Enclosed find expense forms. Fill out one of the pink sheets lightly in pencil, sign all four forms where indicated, put in your receipts, and return to me. We will type out the forms and try to get your money back.

Sincerely,

Aaron Novick

AN/sds



AIR MAIL-POSTAL CARD

Dr. A. Novick  
Inst. Radiobiology  
University of Chicago  
Chicago 37, Ill.

Dear Novick:

Thank you very much for getting me a room at the Broadview.

I will arrive on Sunday, Dec. 18, AAL # 61, 7:30 pm, and leave on Tuesday, Dec 20, AAL # 5, at 5:00 pm., so will need the room Sunday night and Monday night.

Regards

Dec. 13, 1948  
Pasadena

Max D.



THIS SIDE OF CARD IS FOR ADDRESS

D. A. Norick  
6200 S. Drexel  
Chicago, Illinois

12/8/49

Dear Aaron:

Muller cannot come -

See you on the 18th -

Yours,

Salva

WASHINGTON UNIVERSITY



SCHOOL OF MEDICINE  
SAINT LOUIS (10), MO.

December 12, 1949

DEPARTMENT OF BACTERIOLOGY AND IMMUNOLOGY  
EUCLID AVENUE AND KINGSHIGHWAY

Dear Aaron,

I shall arrive Sunday night, Dec. 18, probably by myself. My wife might decide to come along (to visit relatives), so I had better have a room to myself.

Kalckar cannot come.

Please let me know where I sleep, and also how to get there from airport.

Best regards,

A D Hershey

PURCHASE

# The University of Chicago

CHICAGO 37, ILLINOIS

Institute of Radiobiology and Biophysics

6200 Drexel Avenue

December 12, 1949

Dr. B. D. Davis  
Tbc. Research Laboratory  
411 East 69th Street  
New York 21, New York

Dear Bernie,

We are very sorry that you will not come to our next meeting. I will write you any interesting developments at the meeting.

I enclose the letter to Witkin you asked for, and hope this is sufficient. Thank you again for the invitation which we plan to use at a future date.

Sincerely,

Aaron Novick

AN/sds

6200 Drexel Avenue

December 9, 1949

Dr. S. Spiegelman  
Department of Bacteriology  
University of Illinois  
Urbana, Illinois

Dear Sol,

I have been meaning to write to let you know about the next meeting. It will be in Chicago on December 19th and 20th as planned. Please let me know when you will arrive and how long you plan to stay so that I can arrange hotel reservations.

I have written to Raquel inviting her to the meeting. I fear that the limit we try to keep on the size of the group precludes inviting Maurice, since this meeting will be primarily on phage. Perhaps at a future meeting where microbial genetics is the theme, Maurice would come.

Regarding the seminar in Urbana, I will be pleased to talk any Friday in January that you find convenient. Could you do me a favor and call Fred Seitz in the Physics Department and ask him what weekend is convenient for him, as I would like to visit him while I am down there.

Sincerely,

Aaron Novick

AN/sds



UNIVERSITY OF ILLINOIS  
DEPARTMENT OF BACTERIOLOGY  
362 NOYES LABORATORY OF CHEMISTRY  
URBANA

December 7th, 1949

Dr. Aaron Novick  
Institute of Radio Biology  
and Biophysics  
6200 Drexel Avenue  
Chicago 37, Illinois

Dear Aaron:

I wonder whether you can possibly let me know about when you can come down here. You will recall that I suggested some dates in January. Of those I suggested, I would like to eliminate the 6th, since I will probably be out of town, but any date thereafter on Friday would do for us. I would like to get the business of the day settled as soon as it is convenient for you.

We had Luria down here last Friday and he gave a marvelous talk, as usual. This coming Friday, we expect Hershey.

By the way, what's the deal on the next Chicago meeting? Luria, while he was here, suggested that Raquel Sussman come since she is one of the original Phage people and, of course, this means that Maurice Sussman, her husband, would also be there.

Sincerely,

Sol

S. Spiegelman

6200 Drexel Avenue

December 9, 1949

Mrs. Raquel Sussman  
Department of Bacteriology  
University of Illinois  
Urbana, Illinois

Dear Raquel,

We think it would be very nice if you could come to Chicago for a phage meeting we are going to hold on December 19th and 20th. We will be happy to pay your expenses and if you are coming please let me know when you will arrive and how long you will stay so that we can arrange hotel reservations.

We would like very much to invite Maurice, but since this meeting will be primarily concerned with phage and since the group is already larger than we had planned, we find it impossible to invite him. Sometime in the near future we will hold a meeting devoted to microbial genetics when we would like to invite Maurice.

I do hope that you will find it possible to come as Delbruck, Hershey, and others will be there.

Sincerely,

Aaron Novick

AN/sds

6200 Drexel Avenue

December 8, 1949

Dr. H. J. Muller  
Department of Zoology  
Indiana University  
Bloomington, Indiana

Dear Dr. Muller:

Dr. Szilard, having to leave town in his usual hurry, asked me to write to invite you to our next seminar in Chicago on December 19th and 20th. In addition to the usual people, Max Delbruck will be present. We were very sorry that you could not make the last meeting and do hope that you find it possible to come to this one.

Sincerely,

Aaron Novick

AN/sds

6200 Drexel Avenue

December 8, 1949

Dr. Max Delbruck  
Kerchoff Biological Laboratory  
California Institute of Technology  
Pasadena, California

Dear Delbruck:

The Gaffron's have told me that they and the Caspari's will be out of town at the time of the meeting, so I have reserved a room for you at the Broadview Hotel. Please let me know what nights you will want to stay there. The rest of the crowd will also be at this hotel.

Sincerely,

Aaron Novick

AN/sds

6200 Drexel Avenue

December 8, 1949

Dr. Bernard D. Davis  
Tbc. Research Laboratory  
411 East 69th Street  
New York 21, New York

Dear Bernie,

Please let me know if and when you will arrive for the next seminar in Chicago on December 19th and 20th. I want to arrange hotel reservations as soon as possible.

Sincerely,

Aaron Novick

AN/sds

6200 Drexel Avenue

December 8, 1949

Dr. J. Lederberg  
Department of Genetics  
College of Agriculture  
The University of Wisconsin  
Madison 6, Wisconsin

Dear Josh,

Will you let me know when you expect to arrive in Chicago for the next meeting so that I can make plans. It looks like we won't get started until Monday morning.

Sincerely,

Aaron Novick

AN/sds

The University of Chicago

CHICAGO 37, ILLINOIS

Institute of Radiobiology and Biophysics

6200 Drexel Avenue

December 14, 1949

Dr. A. D. Hershey  
Department of Bacteriology  
School of Medicine  
Washington University  
St. Louis 10, Missouri

Dear Al,

I have reserved a room for you at the Broad-  
view Hotel, which is on Hyde Park Boulevard near  
56th Street. You can best get there by cab from the  
airport. Sorry that Kalckar can't come. Everybody  
will be staying at the same hotel. Looking forward  
to seeing you.

Sincerely,

Aaron Novick

AN/sds

THE UNIVERSITY OF WISCONSIN  
COLLEGE OF AGRICULTURE

Madison 6

DEPARTMENT OF GENETICS

December 12, 1949.

Dr. Aaron Novick,  
6200 Drexel Ave.,  
Chicago 37, Ill.


Dear Aaron:

We will be coming down Sunday afternoon, by car or train depending on the weather, arriving about 5 - 6 PM.

How long we expect to stay will depend on the duration of the meetings. If they are not concluded by about Tuesday noon, I will probably have to stay over Tuesday night, through Wednesday.

I've been starting to go into some radiobiological work myself, with a study of the UV responses of the diploid strains. The most surprising result, perhaps, is that there is no marked difference in the crude experiments already done, but this probably means that the total mean genome count per cell is not far apart in the multinucleate diploid and the (more?) multinucleate haploid cells.

See you soon-

  
Joshua Lederberg



INDIANA UNIVERSITY

BLOOMINGTON, INDIANA

Science Hall 101  
DEPARTMENT OF ZOOLOGY

December 12, 1949

Dr. Aaron Novick  
Institute of Radiobiology and Biophysics  
The University of Chicago  
6200 Drexel Avenue  
Chicago 37, Illinois


Dear Dr. Novick:

Dr. Luria had already informed me that you would hold a seminar in Chicago on December 19th and 20th. I am extremely sorry to have to miss a seminar with your group for the second time in succession but, as I told Dr. Luria, the date is a completely impossible one for me since it comes while I am in the middle of "eleventh hour" preparations <sup>for the Christmas</sup> week meetings in New York.

I do not know whether I got to tell you how much I appreciate the fine piece of work <sup>of yours & Beland's</sup> that the National Academy of Sciences finally published in their October number. They had promised me it would come out in September. I greatly regret having been the original cause of its delay in appearance as the manuscript reached me at a time when I was swamped and had a number of other manuscripts, most of them a great deal longer, by other people, waiting in line ahead of yours. Certainly I think your work is much the most significant that has yet appeared on this general topic.

With holiday greetings in advance, I remain

Yours sincerely,

  
H. J. Muller

HJM:hs

December 5, 1949

Dr. B. D. Davis  
Tbc. Research Laboratory  
411 East 69th Street  
New York 21, N. Y.

Dear Bernie:

I am sorry that I don't recall the phage pattern for your wild type strain. Moreover, I seem to have lost your strain over the summer. If you send me a slant, I can quickly determine the phage pattern.

We are planning our next meeting for December 19 and 20. This is a Monday and Tuesday and not Saturday and Sunday (to suit Delbruck's convenience.) He will be there and possibly Kalkar. Please let me know if you can come so that I can get an hotel room for you.

I don't think that Jane and I will be able to come east for Christmas much as we would like to. Perhaps we can come in the spring. By then your cooking should be palatable.

Sincerely,

Aaron

an/sl



FEDERAL SECURITY AGENCY  
U. S. PUBLIC HEALTH SERVICE

IN REPLYING, ADDRESS THE

Tbc. Research Laboratory,  
411 East 69th St., New York 21, N. Y.

December 1, 1949.

Dr. Aaron Novick,  
University of Chicago,  
Institute of Radiobiology & Biophysics,  
6200 Drexel Avenue,  
Chicago 37, Illinois.

Dear Aaron:

I have just sent Evelyn Witkin a list of our coli stocks for the first issue of the Microbial Genetics Bulletin. She has asked me to supply her with information, if available, on the reaction of our W strain to the well-known phage type. I have forgotten the results that you obtained. I have a vague recollection that you told me this strain was susceptible to all seven T phages. If you have an answer to this question, will you please send it directly to Evelyn Witkin, and a copy to me?

I am awfully sorry Dr. Szilard and I didn't manage to get together for lunch during his last visit, but I hope it can be arranged on his next trip.

Will you and Jane be coming to New York Xmas time? The invitation still stands and I very much hope you will accept it. In addition, my cooking has been improving lately.

Sincerely,

*Bernie*

Bernard D. Davis

BDD/hl

$$0.45 \times 200 = 90 = \frac{10^6}{300} \rightarrow 3 \times 10^3$$

$$\begin{array}{r} 24 \\ 0.45 \times 240 = 108 \\ \hline 120 \\ 96 \\ \hline 1080 \end{array} \quad \frac{5 \times 10^4}{200} \rightarrow 2 \times 10^2$$



$$\begin{array}{r} 125 \\ 0.42 \\ \hline 524 \end{array}$$

$$\begin{array}{r} 500 \\ 5625 \end{array}$$

$$\frac{3.3 \times 10^7}{500} = 1.1 \times 10^4$$

$$\begin{array}{r} 123 \\ 5 \times 10^7 \\ 51 \end{array}$$

$$\begin{array}{r} 240 \\ 0.4 \\ \hline 96 \end{array}$$

$$\begin{array}{r} 175 \\ 200 \end{array}$$

$$\begin{array}{r} 1.27 \times 10^7 \\ 1.27 \times 10^4 \end{array}$$

$$\begin{array}{r} 240 \\ 3.3 \times 10^5 \\ 240 \\ 3.3 \times 10^2 \end{array}$$

$$\begin{array}{r} 125 \\ 500 \\ 4.3 \times 10^3 \end{array}$$

$$\frac{5 \times 10^7}{2} + 8 \times 10^2 = 1.5 \times 10^7$$

$$8 \times 10^4$$

$$4.3 \times 10^4$$

$$7 \times 10^4$$

$$3 \times 10^2$$

$$10 \times 10^7$$

$$6 \times 10^5$$

$$2 \times 10^2$$

$$70$$

$$\begin{array}{r} 4 \times 10^6 \\ 2 \\ \hline 2 \times 10^6 \\ 2 \times 10^4 \end{array}$$

$$\begin{array}{r} 1.2 \times 10^7 \\ 6 \times 10^6 \\ 6 \times 10^4 \end{array}$$

6200 Drexel Avenue

December 5, 1949

Dr. A. D. Hershey  
Department of Bacteriology  
School of Medicine  
Washington University  
St. Louis 10, Missouri

Dear Al,

We were very sorry you could not attend the last meeting. We plan on holding another meeting in Chicago on Monday and Tuesday, December 19th and 20th. In addition to the usual people, Max Delbruck will be here. We do hope that you can come. Luria tells me that Kalckar is visiting you. We think it would be very nice if he also can come. Please advise me and I will arrange room reservations.

Sincerely yours,

Aaron Novick

AN/sds

6200 Drexel Avenue

December 6, 1949

Dr. T. T. Puck  
Department of Biophysics  
University of Colorado Medical School  
Denver, Colorado

Dear Ted,

I am very happy to hear that you're coming to our next phage meeting. Szilard tells me that you will arrive on the morning of the 19th. I am reserving a room for you at the Broadview Hotel for that evening, and longer if you so wish. We will probably hold the meetings at 6200 Drexel (the Institute).

It will be good to see you.

Sincerely,

Aaron Novick

AN/sds

# The University of Chicago

CHICAGO 37, ILLINOIS

Institute of Radiobiology and Biophysics

6200 Drexel Avenue

November 16, 1949

Dr. Max Delbruck  
Department of Biology  
California Institute of Technology  
Pasadena, California

Dear Delbruck:

I am writing to tell you that we plan our next joint meeting on December 19th and 20th in Chicago, and hope that you will be able to attend. At our last meeting, since Hershey was unable to attend because of a cold, we had little discussion of phage. So at the coming meeting a large fraction of the time will probably be devoted to phage.

We can, if you like, pay for your expenses while you are in Chicago. I enjoyed talking with you when you were last here and look forward to seeing you in December.

Sincerely,

Aaron Novick

AN/sds

UNIVERSITY OF ILLINOIS  
DEPARTMENT OF BACTERIOLOGY  
362 NOYES LABORATORY OF CHEMISTRY  
URBANA

December 13th, 1949

Dr. Aaron Novick  
Institute of Radio Biology  
and Biophysics  
6200 Drexel Avenue  
Chicago 37, Illinois

Dear Aaron:

In answer to your letter of December 9th, I plan to arrive in Chicago on Monday morning and unless the meetings on Tuesday are lengthy, I shall presumably leave Tuesday evening. Raquel will be coming up with me by train and will you please also make a reservation for her.

I will talk over with you the date of your visit here when we get together in Chicago.

I have not had much luck yet getting in touch with Fred Seitz. He is apparently a rather elusive fellow and I should be able to do so within the next day or so.

Sincerely,

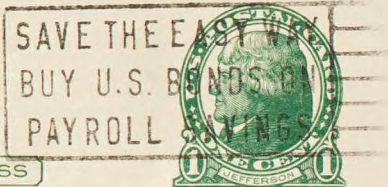
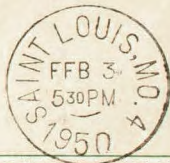


S. Spiegelman

Meeting at 10<sup>00</sup> a.m. Monday in same place?

k





THIS SIDE OF CARD IS FOR ADDRESS

Dr. A. Novick  
Institute of Radiobiology  
University of Chicago  
Chicago 37, Ill.

Feb 1

Dear Aaron,

Feb 25<sup>th</sup> week-end is very good. I expect to arrive (alone) about 10 PM evening before the meeting.

al Hershey.

# The University of Chicago

CHICAGO 37, ILLINOIS

Institute of Radiobiology and Biophysics

6200 Drexel Avenue

January 30, 1950

Dr. Joshua Lederberg  
Department of Genetics  
The University of Wisconsin  
Madison 6, Wisconsin

Dear Josh,

Many thanks for the wonderful puzzle. You realize of course that this is direct sabotage of our research program and it's almost as much fun.

Szilard finds the weekend of February 12th impossible for the next meeting. How would the 25th be for you?

Sincerely,

Aaron Novick

AN/sds

# The University of Chicago

CHICAGO 37, ILLINOIS

Institute of Radiobiology and Biophysics

6200 Drexel Avenue

January 30, 1950

Dr. A. D. Hershey  
Department of Bacteriology  
School of Medicine  
Washington University  
St. Louis 10, Missouri

Dear Al,

We would like to hold the next meeting in Chicago on February 25th weekend. We would like to restrict the discussion to phage. How does this suit you?

Since your last letter I have talked with Puck, Szilard, and Luria about the Colorado suggestion. The most feasible plan is to hold the annual phage conference in Colorado in June. Does this meet with your approval?

Sincerely,

Aaron Novick

AN/sds

# The University of Chicago

CHICAGO 37, ILLINOIS

Institute of Radiobiology and Biophysics

6200 Drexel Avenue

January 30, 1950

Dr. T. T. Puck  
Department of Biophysics  
University of Colorado Medical School  
Denver, Colorado

Dear Ted,

We are planning our next meeting in Chicago on February 25th weekend and will discuss mostly phage problems. Will it be possible for you to attend? The usual crowd will be there.

Sincerely,

Aaron Novick

AN/sds

# The University of Chicago

CHICAGO 37, ILLINOIS

Institute of Radiobiology and Biophysics

6200 Drexel Avenue

January 30, 1950

Dr. S. Spiegelman  
Department of Bacteriology  
University of Illinois  
Urbana, Illinois

Dear Sol,

We plan to hold the next meeting in Chicago on February 25<sup>th</sup> weekend and will devote ourselves mostly to phage. Can you come? Please let me know so that I can crystalize plans.

Sincerely,

Aaron Novick

AN/sds

# The University of Chicago

CHICAGO 37, ILLINOIS

Institute of Radiobiology and Biophysics

6200 Drexel Avenue

January 30, 1950

Dr. B. D. Davis  
Tbc. Research Laboratory  
411 East 69th Street  
New York 21, New York

Dear Bernie,

We plan to hold the next meeting in Chicago on February 25th weekend. The present plan is to concern ourselves almost solely with phage problems at this meeting. Can you come? It will be good to see you. By the way, we still haven't received the strains that Szilard wrote you about. Regards to Werner and regards from Jane to you.

Sincerely,

Aaron Novick

AN/sds

# The University of Chicago

CHICAGO 37, ILLINOIS

Institute of Radiobiology and Biophysics

6200 Drexel Avenue

January 30, 1950

Dear Salva,

Forgive me for being so late in returning your manuscript. I presume it is for Science. I liked it, I have indicated a number of minor corrections in red pencil. I do think that the whole article can be tightened to make it more clear.

I will return the other manuscript in a few days.

I am very sorry about the change in plans for the next meeting. We had already secured theater tickets for you and Zella. I hope that we can make it some other time soon. I am going ahead and writing to the various people asking them if they like the weekend of February 26th, which is most convenient for Szilard.



# The University of Chicago

CHICAGO 37, ILLINOIS

Institute of Radiobiology and Biophysics

6200 Drexel Avenue

February 13, 1950

Dr. H. J. Muller  
Department of Zoology  
Indiana University  
Bloomington, Indiana

Dear Dr. Muller:

We are planning another one of our phage meetings in Chicago on Saturday the 25th of February. We will be very pleased if you will find it possible to attend. The discussion at this meeting will be particularly concerned with phage. Please let me know if you can come, and I will arrange hotel reservations.

Sincerely yours,

Aaron Novick

AN/sds

# The University of Chicago

CHICAGO 37, ILLINOIS

Institute of Radiobiology and Biophysics

6200 Drexel Avenue

February 22, 1950

Dr. A. H. Doermann  
Biology Division  
Oak Ridge National Laboratory  
Post Office Box P  
Oak Ridge, Tennessee

Dear Gus,

We are most sorry about Harriet and that you will not be able to come. Perhaps you can make the next meeting. I am sure that Lederberg will give you a most accurate summary of what was said, but we will miss your comments.

We have been picking up a few loose ends remaining from our work on photoreactivation. Lately we have started in again on our studies of bacterial growth rates at very low concentrations of light growth factors. So far no epochal discoveries, but we seem to be getting some interesting results. Mostly we are beset with great difficulties. The weather here has been dreadful and all of us are beset with minor ailments.

We look forward to seeing you at our next meeting, which I hope is not too far off.

Sincerely,

Aaron Novick

AN/sds

P.S. Give our warmest regards to Harriet.

# The University of Chicago

CHICAGO 37, ILLINOIS

Institute of Radiobiology and Biophysics

6200 Drexel Avenue

February 20, 1950

Dr. H. J. Muller  
Department of Zoology  
Indiana University  
Bloomington, Indiana

Dear Dr. Muller:

We are very sorry that you will not be able to come to the next meeting. We certainly shall continue to keep you informed about future meetings. I hope that all goes well with your wife's operation.

Sincerely,

Aaron Novick

AN/sds

# OAK RIDGE NATIONAL LABORATORY

OPERATED BY

CARBIDE AND CARBON CHEMICALS CORPORATION

FOR THE

ATOMIC ENERGY COMMISSION

POST OFFICE BOX P

OAK RIDGE, TENNESSEE

Biology Division  
February 20, 1950

Dr. Aaron Novick  
Institute of Radiobiology and Biophysics  
The University of Chicago  
6200 Drexel Avenue  
Chicago 37, Illinois.

Dear Aaron:

Szilard's letter inviting me to participate in<sup>the</sup> the phage growth discussions during the coming week-end. Under other circumstances I would be very happy to come to Chicago for this meeting. However, at this time it will be impossible. Unfortunately Harriet has been having some difficulties which confined her to the hospital for ten days and just came home yesterday. She is still confined to bed, and probably will be for at least a week. Consequently she needs considerable attention, and I am the only one who is here to give it to her. I would not feel right in leaving her<sup>here</sup> here alone, and don't know of anyone whom I could ask to stay with her. For this reason I will not be able to attend this meeting. I hope that this opportunity will come at some time in the future .

I am interested to know what you are working on these days. and what's new in general. One finds that oak Ridge is a little far from the "hot-beds" of research.

My experiments are so far not very exciting. I have some new genetic material available in T4 now and am trying to get at three factor crosses. It is pretty difficult to identify enough plaque types in this sort of experiment.

My best regards to you and all the rest of the phage people at the meetings, ~~and back to you~~ We are looking forward to seeing Lederberg next Monday and hearing his report of the meeting.

Sincerely,



A. H. Doermann

made up  
travel  
voucher  
2-28-50  
WJ

INDIANA UNIVERSITY  
BLOOMINGTON, INDIANA

DEPARTMENT OF BACTERIOLOGY

Monday Feb 27

Aaron,

My expenses were as follows

Train	-	16.68
Meals	-	14.60
Cab	-	2.50
		<hr/>
total		33.78

I'm also enclosing taxi expenses. I suspect I left my  
rubbers at your house. As I have an extra pair down here  
I have no need for them now. Could you please keep them  
till I visit Chicago again? Thanks for your trouble.

Yours  
Dina Watson

THE UNIVERSITY OF WISCONSIN  
COLLEGE OF AGRICULTURE

Madison 6

DEPARTMENT OF GENETICS

March 4, 1950.

Dr. Aaron Novick,  
Institute of Radiobiology and Biophysics,  
6200 Drexel Ave.,  
Chicago 37, Ill.

Dear Aaron:

The trip expenses come out:

Total Mileage: 419 [3109 to 3528]	at .07	29.33
less ORNL net contribution (after deducting Esther's RR return)		-12.00

17.33 = 248 mi.

[ It would be most straightforward to claim 248 mileage, and note that ]	
[ part of trip was paid from other sources. However, if you wish, ]	
[ 2 RR rt. ]	<u>13.46</u>
[ taxi ]	<u>4.00</u>

7  
17.36

Meals 10.00

Hotel 12.00

39.33  
#(

I'm just beginning to get over the effects of the trip, and having to meet deadlines on research grant applications, which are a terrible nuisance.

I am pretty sure now that there have been a few balanced lethals among X-rayed and probably also UV'd diploids, but it may be difficult to prove their constitution if they are completely stable. However, they account for a negligible part of the killing.

Thanks very much for putting me up - it would have been awfully depressing in that hotel room, and it was bad enough later at Oak Ridge. Hope to see you both again soon.

P.S. Can you send me some information on your electric colony counter? I'm not sure I'd use exactly your setup, but it certainly saves a lot of time and hypothenar muscles.

Sincerely,

*Josh*  
Joshua Lederberg

UNIVERSITY OF COLORADO  
DEPARTMENT OF MEDICINE  
4200 EAST NINTH AVENUE  
DENVER 7, COLORADO

February 2, 1950

DEPARTMENT OF BIOPHYSICS

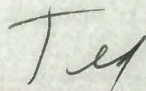
Gentlemen:

Luria has asked me to circularize the group interested in bacteriophage about the time and place of the next phage meeting. Luria is not free to attend a meeting before June and Delbrück has suggested that it would be better to postpone the next meeting until summer or early fall.

Would you indicate whether June, August or September would be most convenient for the next phage meeting, for yourself and other interested members of your institution. Both Luria and I are proposing that the next meeting be in Denver instead of Bloomington. We shall count on holding at least a few sessions up in the mountains.

We will circulate the overall results of this poll as soon as possible.

Sincerely,



Theodore T. Puck, Ph. D.  
Professor of Biophysics

TTP/mhc



BUILD YOUR FUTURE  
WISELY SAFELY  
U.S. SAVINGS BONDS



THIS SIDE OF CARD IS FOR ADDRESS

Dr. A. Novick  
Inst. of Radiobiology and Biophysics  
6200 Drexel Ave  
Chicago 37, Ill.



June 5

Dear Aaron

I expect to catch the  
6:45 Milwaukee train  
on Friday, June 9.

Yours.

al.

THE UNIVERSITY OF WISCONSIN  
COLLEGE OF AGRICULTURE

Madison 6

DEPARTMENT OF GENETICS

May 27, 1950.

Dr, Aaron Novick,  
6200 Drexel Avenue,  
Chicago 37, Ill.

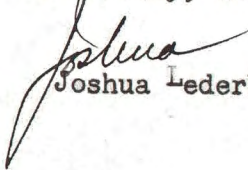
Dear Aaron-

Kim Atwood just wrote that he will come to our meeting. I hope you can get a good chance to talk with him. Sol also mentioned that he had been invited and was coming . In order to make reservations, it would help to know who is coming fairly soon. Has Muller been invited? He might not make such a long trip, but again he might if he knew who else would ~~would~~ be here. How about Bertani, Jim Watson and Bernie Davis?

Esther and I have talked over the financial aspect of the meetings a few times, having been a bit conscience-stricken about the expense accounts. Personally, I think that our angel should not pay for the fancy meals that we tend to consume on these trips, and that the expenses covered should be confined to transportation and room. I think there has been a tendency to make a "good thing" out of the trips, which might detract from the serious purpose of the seminars. People (like Atwood) who will be paying their own transportation should be excepted, of course. Don't take this too seriously.

Esther passed her final oral Ph. D. exam yesterday, after wearing out the committee, but not herself.

Sincerely, and best regards,

  
Joshua Lederberg

6200 Drexel Avenue

May 22, 1950

Professor S. E. Luria  
Department of Bacteriology  
Indiana University  
Bloomington, Indiana

Dear Salva,

We are planning a meeting June 10th weekend in Madison. Can you please let me know how many will come so that we can make room reservations? It should be an interesting meeting and Madison is a lovely place. We hope that you can come.

When will you leave for Denver? I heard that you will be at Cold Spring this summer. I am trying to arrange to get there for a week in August. Love to Zella.

Sincerely,

Aaron Novick

AN/sds

6200 Drexel Avenue

May 22, 1950

Professor Phillip Morrison  
Department of Physics  
Cornell University  
Ithaca, New York

Dear Phil,

We are planning a meeting to be held in Madison, Wisconsin, the weekend of June 10th. We wonder if you can come. I understand that you have funds to pay for your travel expenses. If you like, we can pay your local expenses, but cannot pay for transportation from the east. Can you let me know as soon as possible whether you can come so that we can decide whether to hold a meeting? I hope that Laterget will be there. In addition, there will be our usual crowd of Lederberg, Hershey, and some of Luria's people, though Luria himself may not come.

I enjoyed very much your article on vacuua.  
Best regards to Emily and the Levingers.

Sincerely,

Aaron Novick

AN/sds

6200 Drexel Avenue

May 22, 1950

Dr. Bernard D. Davis  
Tbc. Research Laboratory  
411 East 69th Street  
New York 21, New York

Dear Bernie,

We are thinking of another meeting to be held in Madison the weekend of June 10th. Josh would like some discussion of radiation effects. In addition, I heard from Luria that Bertani has some interesting results with lisogenicity. We have a few interesting things to relate regarding mutation rates. Perhaps Szilard has told you about them already.

Jane and I are planning to be in Chicago at least until August. It would be nice if you could spend some time here on your way to Cal. Tech. Please try to arrange it. Regards to Werner.

Sincerely,

Aaron Novick

AN/sds

6200 Drexel Avenue

May 22, 1950

Professor S. Spiegelman  
Department of Bacteriology  
University of Illinois  
Urbana, Illinois

Dear Sol,

We are tentatively planning another meeting to be held June 10th in Madison. Can you come? The subjects to be discussed will probably be of a varied nature, although Josh would like some discussion of radiation effects. There are a few new results that Luria's people have to report. We, too, have some things to say. Please let me know as soon as possible whether you can come so that we can plan the meeting.

Sincerely,

Aaron Novick

AN/sds

6200 Drexel Avenue

June 2, 1950

Dr. H. J. Muller  
Department of Zoology  
Indiana University  
Bloomington, Indiana

Dear Dr. Muller:

We are holding one of our seminars next weekend, June 10, in Madison. Forgive me for being so late in informing you. We plan to pay most of our attention to radiation effects in microorganisms, particularly with reference to Lederberg's irradiations of his diploids.

I do hope that you can come, despite this last minute notice. If you can, please drop a note to either me or Lederberg.

Sincerely,

Aaron Novick

6200 Drexel Avenue

June 2 1950

Dr. Sol Spiegelman  
Department of Bacteriology  
University of Illinois  
Urbana, Illinois

Dear Sol:

We are definitely going to hold the meeting in Madison next weekend. I suggest that if you come by train you plan on taking the Milwaukee Road 6:45 p.m., CST, from Chicago. I will be on that train.

Can you please drop me a note in any event, letting me know your plans, so that we can make all arrangements?

Sincerely,

Aaron Novick



6200 Drexel Avenue

June 2, 1950

Dr. A. D. Hershey  
Department of Bacteriology  
School of Medicine  
Washington University  
St. Louis 10, Missouri

Dear Al:

We will hold a meeting in Madison the weekend of June 10. I trust that you can come. I suggest that, if convenient, you try to catch the Milwaukee Road 6:45 p.m., CST, from Chicago. I am trying to get everybody on the same train so that Josh will have as few as possible trains to meet.

In any event, please drop me a note so that we can complete arrangements.

Sincerely,

Aaron Novick

Science Hall 101  
DEPARTMENT OF ZOOLOGY

INDIANA UNIVERSITY  
BLOOMINGTON, INDIANA

June 6, 1950


Dr. Aaron Novick  
Institute of Radiobiology and Biophysics  
University of Chicago  
6200 Drexel Avenue  
Chicago 37, Illinois

Dear Dr. Novick:

Thank you for notifying me of your meeting on June 10th in Madison. I seem to be really hoodooed in regard to these meetings because that weekend is just on the eve of my trip to the Radiobiology Conference in Oberlin, Ohio, for which I have not yet had any time to prepare. I shall have only that weekend left for the last minute preparations, and though I should have much preferred to go to Madison it is unfortunately out of the question this time. Do let me know of your next meeting as long in advance as possible.

With kindest regards to you all, - yourself, your wife & Richard,

Yours sincerely,

  
H. J. Muller

HJM:hs

6200 Drexel Avenue

June 2, 1950

Dr. Joe Bertani  
Department of Bacteriology  
Indiana University  
Bloomington, Indiana

Dear Joe:

We will hold the meeting in Madison the weekend of June 10. I suggest that you try to arrange to catch the Milwaukee Road, 6:45 p.m., CST, from Chicago to Madison. One catches it at the Union Station downtown.

Please drop me a note letting me know your plans.

Sincerely,

Aaron Novick

UNIVERSITY OF ILLINOIS  
DEPARTMENT OF BACTERIOLOGY  
362 NOYES LABORATORY OF CHEMISTRY  
URBANA, ILLINOIS

June 15, 1950

Dr. Aaron Novick  
Institute of Radiobiology and Biophysics  
6200 Drexel Avenue  
Chicago 37, Illinois

Dear Aaron,

Enclosed please find the travel expense vouchers for the Madison meeting. I have put down the total mileage recorded on my car by virtue of the trip. I have also included under "Meals" only those which are not already included in the hotel bill. I am sending by separate mail the Lindegren book.

In connection with your finding about constant mutation rate, this would be consistent with no mutations in non-dividing cells if 1) the genes duplicated at a constant rate, 2) unused genes were sent out into the cytoplasm and thus lost, and 3) genes used in the formation of a new chromosome were only those made just prior to division. In this way, errors (mutations) would only be seen in dividing cells and the rate would, of course, be independent of cell division.

Sincerely yours,

*Sol.*

S. Spiegelman

SS:mb

Encl.

*P.S. Long live plasmagems!*

# TRAVEL EXPENSE VOUCHER

Prepare in  
DUPLICATE—for General Travel  
TRIPLICATE—for B.S.D. Travel  
QUADRUPPLICATE—for Government  
Contract Travel

Date 6-24-50

Name Giuseppe Bertani, Dept. of Bacteriology, Indiana University, Bloomington, Indiana.  
For travel expenses incurred while engaged on University business as follows: (Address)  
Destination Madison, Wisconsin Travel Authorization Number \_\_\_\_\_

Purpose Special Virus Seminar

I certify that the amounts given herein represent actual expenses of the above travel and are fair charges against The University of Chicago.

Date of Departure 6-9-50 \*Hour \_\_\_\_\_  
Date of Return 6-12-50 \*Hour \_\_\_\_\_  
\*Contract No. \_\_\_\_\_

*Giuseppe Bertani*  
Signature of Traveler

Travel advances (if any).....	\$	\$	\$	\$				
<b>Expenditures:</b>								
Transportation (Attach receipts for air travel)								
From <u>Bloomington, Ind.</u>	To <u>Madison, Wisc.</u>	Carrier <u>Train (Round trip)</u>						
From <u>Madison, Wisc.</u>	To <u>Bloomington, Ind.</u>	Carrier <u>Train</u>	<u>\$24.03</u>					
From _____	To _____	Carrier _____						
Pullman, extra fares, etc. (Attach receipts or Pullman ticket stubs for each charge)								
From _____	To _____	Space Used _____						
			(Lower, upper, etc)					
From _____	To _____	Space Used _____						
From _____	To _____	Space Used _____						
*Reason for space more expensive than lower berth _____								
Hotels	Dates <u>6-9-50 to 6-12-50</u>	Name <u>The Edgewater, Madison, Wisc.</u>	<u>20.01</u>					
(Attach receipts for each)								
	Dates _____	Name _____						
	Dates _____	Name _____						
Meals			<u>15.05</u>					
Taxi fares			<u>2.10</u>					
(Attach receipts when such are available)								
Miscellaneous	(Attach such receipts as are issued in the regular course of business; explain unusual items)							
Total Expenditures:	<u>Rockefeller Foundation Grant #4</u>			<u>2</u>	<u>3000</u>	<u>49</u>	<u>2687</u>	<u>\$61.19</u>
Charge	(Account Name)		(Account Code)					
Balance of advance (if any) to be deposited with the Bursar _____								
Excess of expenses over advances received _____								
*Use only for travel to be charged against Government Contracts								

**INSTRUCTIONS:**  
For General Travel—This form is to be prepared in duplicate and approved with the authorized signature of the Department. The original should be forwarded to the Comptroller. The duplicate should be retained by the Department.  
If a travel advance was made, any unused balance must be deposited with the Bursar to be credited to your personal advance account, with the travel authorization number given as a reference.  
If expenses exceed the sum advanced, or if no advance was made, a check will be issued promptly.  
For Biological Sciences Division Travel (except when traveling under Government Contracts) the original and duplicate copies of this form should be forwarded to the Comptroller through the Biological Sciences Division Accounting Office and cash deposited with the Hospital Cashier, rather than with the Bursar.  
For Government Contract Travel—three copies of this form should be forwarded to the Comptroller and cash deposited with the Bursar.

Approved: \_\_\_\_\_  
  
\_\_\_\_\_  
Authorized signature

Charge: DO NOT WRITE BELOW THIS LINE

ACCOUNT CODE				EN-TRY CODE	AUTHORIZA-TION NUMBER	TYPE OF CHARGE	AMOUNT OF AUTHORIZATION CANCELLED	AMOUNT OF CHARGE	Audited	
L	Account	Sub	Fund						for Comptroller	Date
Credit:									Coding Verified	Tabulating Department
ACCOUNT CODE				EN-TRY CODE	ADVANCE NUMBER	AUTHORIZA-TION NUMBER	AMOUNT OF CREDIT			
L	Account	Sub	Fund							
0	014	04	1000	41						

Comptroller's Voucher Number

Bertoni

INDIANA UNIVERSITY  
BLOOMINGTON, INDIANA

DEPARTMENT OF BACTERIOLOGY

June 12, 1950

Dear Aaron,

Here enclosed are the forms with  
the list of expenses.

I got here OK. I did not call for  
you in ~~the~~ Chicago, having only an hour  
to wait between trains.

See you in the fall.

Best wishes,

Joe.

# TRAVEL EXPENSE VOUCHER

Prepare in  
DUPLICATE—for General Travel  
TRIPLICATE—for B.S.D. Travel  
QUADRUPPLICATE—for Government  
Contract Travel

Date June 15, 1950

Name Aaron Novick, Institute of Radiobiology and Biophysics, Univ. of Chicago,

For travel expenses incurred while engaged on University business as follows: (Address)

Destination Madison, Wisconsin Travel Authorization Number

Purpose Special Virus Seminar

I certify that the amounts given herein represent actual expenses of the above travel and are fair charges against The University of Chicago.

Date of Departure 6-9-50 \*Hour

Date of Return 6-11-50 \*Hour

\*Contract No.

*Aaron Novick*

Signature of Traveler

Travel advances (if any)	\$	\$	\$
Expenditures:			
Transportation (Attach receipts for air travel)			
From <u>Chicago, Ill.</u>	To <u>Madison, Wis.</u>	Carrier <u>Train (Round trip)</u>	
From <u>Madison, Wis.</u>	To <u>Chicago, Ill.</u>	Carrier <u>Train</u>	\$ 6.73
From	To	Carrier	
Pullman, extra fares, etc. (Attach receipts or Pullman ticket stubs for each charge)			
From	To	Space Used	
		(Lower, upper, etc)	
From	To	Space Used	
From	To	Space Used	
*Reason for space more expensive than lower berth			
Hotels	Dates	Name	
(Attach receipts for each)			
	Dates	Name	
	Dates	Name	
Meals			12.00
Taxi fares			4.30
(Attach receipts when such are available)			
Miscellaneous			
(Attach such receipts as are issued in the regular course of business; explain unusual items)			
Total Expenditures:			
Charge <u>Rockefeller Foundation Grant #4</u>	<u>2</u>	<u>3000</u>	<u>49 2687</u>
	(Account Name)		(Account Code)
Balance of advance (if any) to be deposited with the Bursar			823.53
Excess of expenses over advances received			
*Use only for travel to be charged against Government Contracts			

**INSTRUCTIONS:**  
For General Travel—This form is to be prepared in duplicate and approved with the authorized signature of the Department. The original should be forwarded to the Comptroller. The duplicate should be retained by the Department.  
If a travel advance was made, any unused balance must be deposited with the Bursar to be credited to your personal advance account, with the travel authorization number given as a reference.  
If expenses exceed the sum advanced, or if no advance was made, a check will be issued promptly.  
For Biological Sciences Division Travel (except when traveling under Government Contracts) the original and duplicate copies of this form should be forwarded to the Comptroller through the Biological Sciences Division Accounting Office and cash deposited with the Hospital Cashier, rather than with the Bursar.  
For Government Contract Travel—three copies of this form should be forwarded to the Comptroller and cash deposited with the Bursar.

Approved: *L. Roland*  
Authorized signature

Charge: DO NOT WRITE BELOW THIS LINE

ACCOUNT CODE				ENTRY CODE	AUTHORIZATION NUMBER	TYPE OF CHARGE	AMOUNT OF AUTHORIZATION CANCELLED	AMOUNT OF CHARGE	Audited	Date	Comptroller's Voucher Number
L	Account	Sub	Fund								
Credit:											
ACCOUNT CODE				ENTRY CODE	ADVANCE NUMBER	AUTHORIZATION NUMBER	AMOUNT OF CREDIT	Coding Verified	Tabulating Department		
L	Account	Sub	Fund								
0	014	04	1000	41							

# TRAVEL EXPENSE VOUCHER

Prepare in  
DUPLICATE—for General Travel  
TRIPPLICATE—for B.S.D. Travel  
QUADRUPPLICATE—for Government  
Contract Travel

Date June 15, 1950

Name A. D. Hershey, 1500 Scott Avenue, St. Louis 10, Missouri.

For travel expenses incurred while engaged on University business as follows: (Address)

Destination Madison, Wisconsin Travel Authorization Number \_\_\_\_\_

Purpose Special Virus Seminar

I certify that the amounts given herein represent actual expenses of the above travel and are fair charges against The University of Chicago.

Date of Departure 6-9-50 \*Hour \_\_\_\_\_

Date of Return 6-12-50 \*Hour \_\_\_\_\_

\*Contract No. \_\_\_\_\_

*A D Hershey*  
Signature of Traveler

Travel advances (if any).....	\$	\$	\$
<b>Expenditures:</b>			
Transportation (Attach receipts for air travel)			
From <u>St. Louis, Mo.</u>	To <u>Chicago, Ill.</u>	Carrier <u>Train</u>	<u>\$ 8.56</u>
From <u>Chicago, Ill.</u>	To <u>Madison, Wisc.</u>	Carrier <u>Train</u>	<u>3.85</u>
From <u>Madison, Wisc.</u>	To <u>St. Louis, Mo.</u>	Carrier <u>Airplane</u>	<u>26.51</u>
Pullman, extra fares, etc. (Attach receipts or Pullman ticket stubs for each charge)			
From .....	To .....	Space Used .....	
			(Lower, upper, etc)
From .....	To .....	Space Used .....	
From .....	To .....	Space Used .....	
*Reason for space more expensive than lower berth.....			
Hotels	Dates <u>6-9-50 to 6-12-50</u>	Name <u>Edgewater, Madison, Wisc.</u>	<u>18.00</u>
(Attach receipts for each)			
	Dates .....	Name .....	
	Dates .....	Name .....	
Meals .....			<u>15.00</u>
Taxi fares .....			<u>4.00</u>
(Attach receipts when such are available)			
Miscellaneous .....			<u>1.00</u>
(Attach such receipts as are issued in the regular course of business; explain unusual items)			
Total Expenditures:			
Charge <u>Rockefeller Foundation Grant #4</u>	<u>2</u>	<u>3000</u>	<u>876.92</u>
		<u>19 2637</u>	
		(Account Code)	
Balance of advance (if any) to be deposited with the Bursar .....			
Excess of expenses over advances received .....			
*Use only for travel to be charged against Government Contracts			

**INSTRUCTIONS:**  
For General Travel—This form is to be prepared in duplicate and approved with the authorized signature of the Department. The original should be forwarded to the Comptroller. The duplicate should be retained by the Department.  
If a travel advance was made, any unused balance must be deposited with the Bursar to be credited to your personal advance account, with the travel authorization number given as a reference.  
If expenses exceed the sum advanced, or if no advance was made, a check will be issued promptly.  
For Biological Sciences Division Travel (except when traveling under Government Contracts) the original and duplicate copies of this form should be forwarded to the Comptroller through the Biological Sciences Division Accounting Office and cash deposited with the Hospital Cashier, rather than with the Bursar.  
For Government Contract Travel—three copies of this form should be forwarded to the Comptroller and cash deposited with the Bursar.

Approved: *Whitland*  
Authorized signature

Charge: DO NOT WRITE BELOW THIS LINE

ACCOUNT CODE				ENTRY CODE	AUTHORIZATION NUMBER	TYPE OF CHARGE	AMOUNT OF AUTHORIZATION CANCELLED	AMOUNT OF CHARGE	Audited	
L	Account	Sub	Fund						for Comptroller	Date
									Coding Verified	Tabulating Department
0	014.....	04	1000	41						

Comptroller's Voucher Number



UNIVERSITY OF ILLINOIS  
DEPARTMENT OF BACTERIOLOGY  
362 NOYES LABORATORY OF CHEMISTRY  
URBANA

May 24, 1950

Dr. Aaron Novick  
University of Chicago  
Institute of Radiobiology and Biophysics  
6200 Drexel Avenue  
Chicago 37, Illinois

Dear Aaron,

This is in reply to your letter of May 22. I should be very happy to attend another meeting of the group and I think that I will be able to make it on the 10th of June in Madison. It would be slightly preferable as far as I am concerned to have a later date but this is not critical. We have a fair number of new things to discuss which have arisen since I last attended a meeting of the group, including some stuff on radiation and enzymatic adaptation.

Isn't there a radiation meeting scheduled to take place in Madison about the same time? It would be nice if our meeting could be held so that we could attend these other meetings also.

Sincerely yours,



S. Spiegelman

SS:mb

C O P Y

Dear Latarjet:

Since my letter of May 1, there have been some modifications of plans which could bring you here.

A meeting of the informal Midwest Virus Seminar, funds for which are administered by Dr. Leo Szilard at Chicago, is being arranged for June 10-11 to be held here in Madison. However, I am told that these funds could be used only for your expenses here and in travelling from Chicago to Madison. To cover your trip from Cleveland to Chicago, the Institute of Radiobiology and Biophysics at the University of Chicago is arranging a seminar which they hope you will find time to give enroute from Cleveland to Madison, probably either on June 9 or 12. I think that you would be able to route your flights Cleveland - Madison - Chicago - Cleveland without great difficulty. I hope that you will be able to work this program into your itinerary, and we are looking forward to seeing you.

Since the arrangements from now on are more in the hands of the Chicago group, I suggest that instead of calling me from Cold Spring Harbor, that you phone either Dr. Szilard or Dr. Aaron Novick, at the Institute of Radiobiology.... Their phone number in Chicago is BUTterfield 8-4800. It would probably be advantageous for you to write ahead when you expect to be able to call them from Cold Spring Harbor.

Yours sincerely,

Joshua Lederberg

CC: Szilard/

---

I hope this will serve to make the appropriate connections.



FEDERAL SECURITY AGENCY

U. S. PUBLIC HEALTH SERVICE

WASHINGTON 25, D. C.

IN REPLYING

ADDRESS THE SURGEON GENERAL

U. S. PUBLIC HEALTH SERVICE

Tbc. Research Laboratory,  
411 East 69th St., New York 21, N. Y.

May 31, 1950.

Dr. Aaron Novick,  
The University of Chicago,  
Institute of Radiobiology & Biophysics,  
6200 Drexel Avenue,  
Chicago 37, Illinois.

Dear Aaron:

Thanks for the invitation to Madison. However, I am so wrapped up in rehearsing the course and cleaning up things that I don't think I had better take the time off now. In particular, I am all excited about having found a new vitamin. The shikimic-less mutants grow slowly on their ~~non~~-quadruple aromatic supplements; it turns out that for good growth they require a fifth derivative of shikimic, which by good fortune turned out to be one of the 50 aromatic compounds we had on the shelves.

My plans for going west are not complete, but <sup>we will</sup> ~~will~~ probably fly about the 15th of July. I hope to be able to stop over in Chicago, and look forward to seeing you then.

Best regards to Jane and to Dr. Szilard,

Sincerely,

*Bernie*

Bernard D. Davis

BDD/h1

# TRAVEL EXPENSE VOUCHER

Prepare in  
DUPLICATE—for General Travel  
TRIPPLICATE—for B.S.D. Travel  
QUADRUPPLICATE—for Government  
Contract Travel

Date June 15, 1950

Name S. Spiegelman 402 Hessel Blvd., Champaign, Ill.  
For travel expenses incurred while engaged on University business as follows: (Address)  
Destination Madison, Wisconsin Travel Authorization Number \_\_\_\_\_

Purpose Special virus seminar  
I certify that the amounts given herein represent actual expenses of the above travel and are fair charges against The University of Chicago.

Date of Departure June 9 \*Hour 10 am  
Date of Return June 12 \*Hour 3 pm  
\*Contract No. \_\_\_\_\_

S. Spiegelman  
Signature of Traveler

Travel advances (if any).....	\$	\$	\$
<b>Expenditures:</b>			
Transportation (Attach receipts for air travel)			
From <u>Urbana, Ill.</u> To <u>Madison, Wis.</u> Carrier <u>Private car</u>			<u>1,590 mi.</u>
From <u>Madison, Wis.</u> To <u>Urbana, Ill.</u> Carrier <u>"</u>			<u>241.30</u>
From _____ To _____ Carrier _____			
Pullman, extra fares, etc. (Attach receipts or Pullman ticket stubs for each charge)			
From _____ To _____ Space Used _____			(Lower, upper, etc)
From _____ To _____ Space Used _____			
From _____ To _____ Space Used _____			
*Reason for space more expensive than lower berth _____			
Hotels Dates <u>June 9 - 12</u> Name <u>The Edgewater</u>			<u>18.00</u>
(Attach receipts for each)			
Dates _____ Name _____			
Dates _____ Name _____			
Meals <u>McDonald's restaurant</u>			<u>20.05</u>
Taxi fares _____			
(Attach receipts when such are available)			
Miscellaneous _____ Phone _____			<u>.40</u>
(Attach such receipts as are issued in the regular course of business; explain unusual items)			
Total Expenditures: <u>Rockefeller Foundation Grant #4</u>	<u>2</u>	<u>3000</u>	<u>19 2687</u>
Charge _____			<u>879.75</u>
(Account Name) (Account Code)			
Balance of advance (if any) to be deposited with the Bursar _____			
Excess of expenses over advances received _____			
*Use only for travel to be charged against Government Contracts			

**INSTRUCTIONS:**  
For General Travel—This form is to be prepared in duplicate and approved with the authorized signature of the Department. The original should be forwarded to the Comptroller. The duplicate should be retained by the Department.  
If a travel advance was made, any unused balance must be deposited with the Bursar to be credited to your personal advance account, with the travel authorization number given as a reference.  
If expenses exceed the sum advanced, or if no advance was made, a check will be issued promptly.  
For Biological Sciences Division Travel (except when traveling under Government Contracts) the original and duplicate copies of this form should be forwarded to the Comptroller through the Biological Sciences Division Accounting Office and cash deposited with the Hospital Cashier, rather than with the Bursar.  
For Government Contract Travel—three copies of this form should be forwarded to the Comptroller and cash deposited with the Bursar.

Approved: \_\_\_\_\_  
Authorized signature

Charge: **DO NOT WRITE BELOW THIS LINE**

ACCOUNT CODE				ENTRY CODE	AUTHORIZATION NUMBER	TYPE OF CHARGE	AMOUNT OF AUTHORIZATION CANCELLED	AMOUNT OF CHARGE	Audited		Comptroller's Voucher Number
L	Account	Sub	Fund						for Comptroller	Date	
								Coding Verified	Tabulating Department		
L	Account	Sub	Fund	ENTRY CODE	ADVANCE NUMBER	AUTHORIZATION NUMBER	AMOUNT OF CREDIT				
0	014.....	04	1000	41							

