

Dr. B. J. Brent
127 Essex Ave.
Montclair, N. J.

3-0318

VIA AIR MAIL

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1893



(23)
b. 27. VII. 46

Dr. O. Stearn
759 Craymont Avenue
Berkeley, California

VIA AIR MAIL

X AVENUE
AIR, N. I., U. S. A.

Dr. O. Stern
759 Cragmont Avenue
Berkeley 8, Calif.



6.2.I, 1965



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May your
D ESIRES,
N EEDS, and
A SPIRATIONS
be fulfilled this
CHRISTMAS
and in the
NEW YEAR!

The BRENTS



Since I saw you
last I travelled
6,000 miles West
and see now the
ruins of this peaceful
little town of yester-year.

I hope you have heard
about your trips to
Switzerland. Otherwise let
me know when I return
in September. Best

NIJMEGEN - DE KERKBOOG
regards
to us

B. J. Brent

b. 4. 8. 46



Dr. O. Steen

759 Cragmont Ave.

Berkeley 8, Calif.

U. S. A.

DR. AND MRS. BERNARD J. BRENT

CHANGE OF ADDRESS

Please change our address in your listing

from: 51 Florence Street, Chestnut Hill, Mass.

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Telephone 655-0804

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Thank you.

over
DR. BERNARD J. BRENT
NORTHEASTERN UNIVERSITY
COLLEGE OF PHARMACY
360 Huntington Ave., Room 110 \$M
BOSTON, MASS. 02115

Dear Dr. Stern:

I hope all is well with you. You probably know that Esterman has gone to Israel. I do not even have his address. I have set up the Graduate School of Pharmaceutical Sciences and have my hands full with running it, teaching Medicinal Chemistry and 5 other subjects, as well as directing all Research at this College. - It is a long way to Boston but if you ever come this way please let me know. I would love to see you again.

Yours
B. Brent

DR. BERNARD J. BRENT 127 ESSEX AVENUE MONTCLAIR, N. J.

October 10, 1946

Professor O. Stern
759 Cragmont Avenue
Berkeley, California

Dear Professor:

Many thanks for your letter of October 4 from which I am sorry to learn that nobody from the American-Swiss Foundation for Scientific Exchange has approached you during my absence and I have now spoken again to Dr. Furter in spite of your request to forget about the matter. Dr. Furter explained that he is the only one of the entire committee, that has to make the decision, who has been available during the past month, but that one other committee member has just arrived in New York and that he is going to see him on your behalf during one of the very next days. I told him that you have made your own arrangements in the meantime and have suggested to him that if the invitation could still be arranged that he might suggest to you to stop over in Switzerland on your return trip from Stockholm after having delivered the Nobel Prize lecture there. Dr. Furter will try to get prompt action now and I hope he will approach you within a few days.

My trip to the old world was more interesting than enjoyable. The scarcity of all commodities of life is appalling and the devastation I have seen in Holland and England is terrible. The progress made with regard to return to normalcy is admirable though small. I understand that the two countries you are most likely to visit, Sweden and Switzerland, are great exceptions since they have been neutral.

Incidentally, I got a good scare last week when I read about Otto Stern having been in one of the last airplane accidents but since New York was given his address, I was rather hopeful that it wasn't you and relieved when I read your letter now.

Wishing you a bon voyage and much success with your lectures, I am,

Yours sincerely,

Bernard Brent

mrt

DR. BERNARD J. BRENT 127 ESSEX AVENUE MONTCLAIR, N. J.

July 31, 1946

Professor O. Stern
759 Cragmont Avenue
Berkeley 8, California

Dear Professor Stern:

I received your letter of July 27 and have conveyed the contents of the same to the Board of Administrators of the American-Swiss Foundation for Scientific Exchange. You will probably hear from our Dr. M. Furter about the invitation.

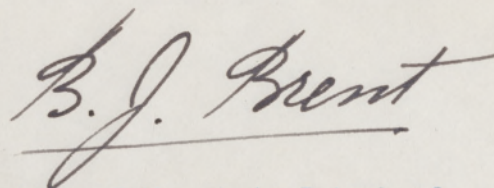
I, personally, think that one weeks' stay of yours which you mention in your letter would be too short and too strenuous for you and I have taken the liberty of suggesting a stay of at least two, and up to four, weeks.

I hope that the invitation will come through and if this should be the case, I am wishing you good luck for your trip.

I am leaving for Holland and England on Friday of next week.

I am,

Yours sincerely,

A handwritten signature in cursive script that reads "B. J. Brent". The signature is written in dark ink and is positioned above a horizontal line.

Dr. B. J. Brent/rrz

P.S. In a day or two the prints of the photo I took of you will be ready and I will send them on to you. I would greatly appreciate it if you would return one print after you have written your inscription on the front.

The method of molecular rays was refined and worked out in Göttingen and culminated in the determination of the magnetic moment of proton. ~~This work~~ ^{which} was rewarded by the Nobel prize. ~~With the same method~~

The fundamental theory of de Broglie that moving particles show wave properties was verified by diffracting experiments of molecular rays ~~(H₂)~~ on cleavage surfaces of crystals (L.F.).

The method of molecular rays was ^{also} applied to several other problems. This work was continued in Pittsburgh.

Born II, 17, 1888 in Lohrau O.S. Germany

1912 Ph.D. University Breslau

1912-1914 worked with Einstein in Prague and Zürich

1913-1915 Privatdozent Eidgen. Techn. Hochschule, Zürich

1915-1921 " University Frankfurt a. M.

1921-1922 Assoc. Professor " Rostock

1923-1933 Full Professor University Hamburg

1933-1945 Research Professor C. & T., Pittsburgh U.S.A.

1945 - Prof. Emer. Berkeley, Cal.

1944 Nobel prize in Physics (for 1943)

~~L.D. Member of the Nat. Acad. Ph. Soc., Danish Acad.,~~

~~L.D. Univ. of Cal. Berkeley~~

Theoretical Work (Thermodynamics, Statistics, Quantum theory):

Entropy constant of ideal gases (Lachur-Tetrode-Stern Constant)

~~Calculated by establishing the theory of the vapor pressure of solid substances, was derived which made a real derivation of the constant possible. (Habilitation paper Zürich 1919)~~

Equilibrium between radiation and matter.

Theory of the electrolytic double layer, eliminating difficulties in Gouy's theory of the diffuse double layer by taking adsorption into account.

Several papers on ~~Third Law~~ ^{Maxwell's theorem}, theory of solutions, etc

Experimental work (Molecular Rays):

First direct determination of the thermal velocity of atoms.

Direct proof of space quantisation by deflecting molecular ray of silver atoms by an inhomogeneous magnetic field (Stern-Gerlach effect, 1922)

DR. BERNARD J. BRENT 127 ESSEX AVENUE MONTCLAIR, N. J.

July 24, 1946

Dr. O. Stearn
759 Craymont Avenue
Berkeley, California

Dear Doctor Stearn:

It was very nice to see you again at your Pacific Coast retreat. I have returned only now but have not failed to drop in on Minkowski in Pasadena. It so happened that he was on duty at the Mt. Wilson Observatory and I drove all the way up and had an opportunity to admire the big 100-inch telescope. Minkowski seems to be very happy and satisfied in his surroundings.

Regarding the possibilities I mentioned of obtaining an invitation for you to lecture in Switzerland, I have very good hopes for you. I just spoke to a member of the board of the American-Swiss Foundation for Scientific Exchange, Dr. M. Furter, who is an executive of Hoffmann-La Roche, Nutley, our associate company, and he will be glad to undertake the necessary steps. He asked me which scientist in Switzerland might be most suitable to make the necessary arrangements for your lectures in Switzerland and I suggested Pauli. I suppose this would meet with your approval or whom else would you suggest, for instance, Scherrer?

You would probably be expected to give at least two lectures, one in Basle and one in Zurich. The lectures may be identical. Could you let me know on what subject you would like to speak; this is for the purposes of the Society? I also need a short curriculum vitae of yours, particularly outlining the work you have done. This does not have to be in great detail.

The time for your trip to Switzerland should preferably be chosen after October 15 because the vacations at the universities in Switzerland will be over by that time. How long would you like to stay in Switzerland? Would you like to give more than two lectures and where, and which other scientist do you intend to contact in Switzerland?

I am sorry to have to ask you so many questions but they all will serve the purpose of arranging for the trip. I am enclosing a self-addressed, stamped envelope and would appreciate obtaining your answer very soon because I will leave for Holland in the early days of August and would like to get your matter straightened out before that date.

I am, with best regards,

Yours sincerely,

Bernard Brent

mrt

P.S. With what university in Switzerland is Pauli connected?

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Form 2

Send the following message, subject to the Company's rules, regulations and rates set forth in its tariffs and on file with regulatory authorities

Montclair, N. J.

November 11, 1944

Dr. Otto Stern

Am overjoyed by the news of your having been awarded
the Nobel Prize. Nobody more deserving could have
been chosen.

Bernard Brent

DR. BERNARD J. BRENT 127 ESSEX AVENUE MONTCLAIR, N. J.

December 11, 1944

Dr. Otto Stern
Carnegie Institute of Technology
Department of Technology
Pittsburgh, Pennsylvania

Dear Dr. Stern:

I am writing you even though I know you are still in New York, but upon your return from this memorable trip, I want you to find these words of thanks for letting me participate in the celebration that was so deservedly offered to you on the occasion of the Nobel prize award. I am not exaggerating when I say that the time I spent with you and so many other good old friends was one of the most wonderful days I have spent in years.

I hope you got the paper I left for you at the Hotel Prince George. It is needless to say that if I can be of any further help in this connection, do not hesitate to call upon me.

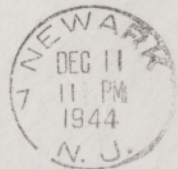
Mrs. Brent thanks you for your kind regards and returns the same.

I am with best regards,

Yours sincerely,

Bernard J. Brent

Dr.B.J.Brent/mrt



Brent

Dr. Otto Stern
Carnegie Institute of Technology
Department of Technology
Pittsburgh, Pennsylvania

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127 ESSEX AVENUE
MONTCLAIR, N. J., U. S. A.