

Dip yorfice Gom Oracy!
If kued noikiellift fies th bention ic s: Homis beigas sifgialiow, os if wat ivem 各









Joyous Christmas
AND
a Happy New Year
toffentsich getts Sthwen gert nowl te hatten s angeneten in binsich.' Bes uns ist alles an arbing.

Virle Lessiche Gnime,
there Valentin mond tory i Barymaur


## - Bargmann <br> 50 College Rd. <br> Princeton, N. J.

## 










\％Season＇s Greetings
質 С Новым ТоАом
駺 Meilleurs Voux
䄈 Felices Fiestas
Liebu teerr Hers，
Wis Laffeer＇ack，ben es thuen neokt jut jatt．＇ Haben hie moder Ressoplline？Wis hoffeen，1970 is brinich m 2 sin ．
te alloterstichten Fisins he 24 den Prientoyen mod tum Neven Jafore，Shre Valin mod tongi Bdrgmans
AIR MAIL


Profener O. Sterm

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\text { b. } 24 \text { III, } 1968
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y 59 cragment tue. Bervely d, cas;

Bargmann, 50 Western Way, Princeten, N.). Opsto

Es wer so wet mith thuen mi her Triefenan zen
plaudem－v＇ellsith er pibt mith weter binmal si bile enh $h$ ．

Unsave herten Wrinsite remen Neseen feiture．
fong a mor Valintin Barpman
Jungle ．．．collage contributed by Lena Stöckld，Swiss resident in Peru，to UNICEF，the Uufted Nations Children＇s Fund．

La jungle ．．．Collage offert par Lena Stöckli（Suisse），résidant au Pérou，à l＇UNICEF，Fonds des Nations Unies pour l＇Enfance．

En la selva
Obra de Lena Stöckli，de Suiza，residente en el Perú．Contribución al UNICEF， el Fondo de las Naciones Unidas para la Infancia．

Джунтли ．
Монтаж Јена Стокли（Швейцария；живет в Перу），подаренный ЮНИСЕФ－Детскому фонду Организации Объединенных Наций．


范 Season＇s Greetings
質 С Нов
歌 Meilleurs Voeux
禧 Feliz Aǹo Nuevo





Gay Head cliffs on beautiful Martha＇s Vineyard Island．MSH74， This brilliant headland of vari－colored clays marks
the entrance to Vineyard Sound．
Lieber Heer Sterm，
立 herzlich Sonipe vor Es tut mir anfrichice．＂ 4967
Es tut mir aufrchtig
Leid，dap wir mus m衰New York nicht moh， gescher haben．Hof－保thich das nichste \％Mal．
$\because$ Mit den besten Winsabue avow meiner frow und $\frac{\text { an mir }}{2}$ Jer Valutin Bargmane dolor photo by Professar 0．Stern 759 cragmont ave．

33 Cedar $5 t$,
Rockville Centre, bit, NiM,
September 17 th 1945

Dr. OHo Stern,
Molecule Physics Laboratory,
Physics Department,
Carnegie Institute of Techndogy,
Pittsburgh, $P$ a,
Dear Di Stern,
Massachusetts Institute of Technology has opened up a next serves olappontments called research associate ships. These appointments pay sufticierity well that men with families's can afford to return to school under this arrangement. They call for research only and the hope is that through this arrangement M, LiTican profit by having experienced research men to carry out new investigations while the recipients of the same can profit by renexing their acquantonceship with plyysis through courses in fields of research which have been active during the War, They abs offer an opportunity to complete a doctorate degree,

During the war as you may know I wanked fins at the Underwater Sound laboratory of Harvard University and then at the S.A.M. Laboratory of Columbia University. Here I worked on the isolation of $U 235$ by diffusion method under the direction of Dr, Urey and Dr. Dunning. The work kiss unusually interesting and involved a number of good physied problems. However the pace, as you may surmize was so hectic that very little opportunity rearained to keep abreast of other fields of physios. I, the re fore, feel that I kill benefitgreadly through the work offered at visit if I shard be so fortunate as to receive an appointment there,

I would greatly appreciate it if you should kite a letter of recommendation for me in supports of my appliedwion'. This letter should be seat to
Dry, John C. Slater, Head of the Departmentor Physics,
Massachusets shatrikie of Technobay, Cambinde 3 Mass Massachusetts Instrikite of Technology, Cambridge 39 Mass, may I say that if gave me very sincere, pleasure to hear that you were awarded the Nobel prize in Physics.

NiFi Bacon， 33 Cedar Ave，y RockvilleCentres Lifis，Kir．

音
产


Dr．otto Stern， MAlecotar Physics Labordion， Physics pepariment， Carnegie Institule of Technology， Allsbugh कि कित⿱

759 bragmont Ave．， Terbeley 8，balif．

Please formad if neceszary

Pleve torvaid m Main ott

CARNEGIE INSTITUTE OF TECHNOLOGY METALS RESEARCH LABORATORY SCHENLEY PARK - PITTSBURGH

is. O. Stem
Rocid at Pittsburgh $\mathrm{Pa}_{2}$
Barrett Without Address
J. W. Beams

ROUSS PHYSICAL LABORATORY UNIVERSITY OF VIRGINIA

UNIVERSITY STATION
CHARLOTTESVILLE, VIRGINIA


Professor Otto Stern Carnegie Institute of Technology Pittsburgh, Pennsylvania

## ALFRED BERGMAN

80 BROAD STREET
NEW YORK, N. Y.

Dr. Otto Stern
Carnegie Institute
Pittsburgin, PENNSYIVANIA NOT AT BULEING
CARNEGIE L

Profeyor Otho $\sqrt{\text { then }}$
greil
Morword Garden Apto. fitts hurgh, $P_{a}$.


or atto fiern horewatod gardens. hocentoor ave.


Piutsenge Pa.

UNIVERSITY OF CALIFORNIA department of physics BERKELEY 4, CALIFORNIA


Professor Otto Stern Carnegie Institute of Technology Pittsburgh, Pennsylvania
from: H. Pimboum 5800 munhall Road Pittsbugh 17, Pa.
of Ctto Stern
Physics Department
lamegie Dnstitute of Technology schencey Pork
Pittsbungh $\mathrm{Pa}_{\mathrm{a}}$

Professor Otto Stern. Metallurgical Laboratory. University of Chicago. Chicago (rel).
I. Bloch. 34 Bates Street. Cambridge. Mass.



Professor 0. Stern, 759 Cragmont Ave., Berke1ey, California, U.S.A.

TELEGRAMS:
MONASHUNI, MELBOURNE
P.O. BOX 92.

CLAYTON, VICTORIA

## TELEPHONE

544-0611

DEPARTMENT OF PHYSICS
PROFESSOR R. STREET

Professor 0. Stern, 759 Gragmont Ave., Berkeley, California, U.S.A.

Dear Professor Stern,

A colleague, Dr. Baton, and I are making a collection of Physics papers originally written in German and which illustrate the progress of Physics during the present century. We would very much like to include part of your papers with Professor Gerlach. We have been in touch with Professor Gerlach and he has given his permission; we would be very grateful if you could give us your permission.

With best wishes,

$$
\begin{aligned}
& \text { Yours sincerely, } \\
& \text { A.C. Bolton }
\end{aligned}
$$

H. C. BOLTON
(Professor of Theoretical Physics)
HCB/ac
Stern, 0. Zeitschrift für Physik $\underline{7}$ (1921) 249. Ein Neg zur experimenter $\overline{1} 1$ en Prüfung der Richtungsquantelung im Magnetfeld.
Gerlach, W. u Der experimentelle Nachweis der RichtungsStern, 0. quantelung im Magnetfeld. Zeitschrift fur Physik 9 (1922) 349.
Gerlach, W. u Dis magnetische Moment ides Silberatoms. Stern, 0. Zeitschrift fur Physik $\underline{9}$ (1922) 353.

From
Arowo Bass
704 Proo pect $a_{0 e}$. 癷 Hovisis fouth Pasadena, (a)
Prof. Dr. Otto ftern

Gamegie Tuspitate of
$21 . \sqrt{1}$ Tecknology
Pittsbergh, Pa.








 be nelected beeain, hovereve, that hhe irreversible aspects could



Lectron theory of metalas to reproducec Kelvin's thermodymanie
 Lons are enl ripht.















 $Q \frac{\Delta T}{\tau^{\tau}}=Q\left(\frac{1}{\tau-\Delta \tau}-\frac{1}{\tau}\right) \cdot \mathbf{C}$
We now wintoduee the hypothesis that thermal conduction is an (ssentialy, yireversible process, alvays acocompanied by its chay scompanied by other proweeses. This means that in the ease of
our thermocounle entropy is increasing: beecuse of irreveresible herner ducto by the Dount ip $\Delta T$ or mit time. The






 he current to the box is $\frac{i d n}{d T} \Delta T$, where $\frac{d \pi}{d r} \Delta T$ is the E.M.F. of a aouple constituted of metals $A$ and $R$ with junctions at tem-
perature difiference $A$ T. This energy appears as h heat at temperas ture $\tau$, inereasing entropy by $\frac{1}{\tau}\left[\frac{d d L_{1,}}{d t} \Delta \tau\right]$. Equating the two entropy changes give

Whence :

This is the first of Kelvin's relations; the second follows at
onee from the first law of thermodynamies, which is certainly applicable whether there is or not irreversibility
In this
In this argument we have neglected the Thomson heat and the
Joulean resistance heating. The effect of the Themson haet Joulean resistance heating. The effect of the Thomson heat is
of $a$ aifferent order, for the tota Thomson heat developed in $B$ is $i_{B} \Delta \tau$. This escapes by conduction through a temperature
diference less on the everage than $\Delta$, so that the inerease of
entrony associated with the Tomson heat in the metal $B$ is less than $i \sigma_{B}(\Delta t)^{2}$, which is thus of a lower order than the increase due to the Peltier heat. The situation with respect to the Thom-
on heat in $A$ is of course similar. The effect of the
 Joulean heat is $i R$, and the resulting increase of entropy $\frac{i R}{\tau}$. But the input E.M.F. must now be greater than before by $i R$, so
that the input energy is greater by $i$ i , and the associated entropy increase $\frac{i^{i} R}{\tau}$ exactly cancels the amount just found. By putting the argument in this form the fact that there are two irreversible
processes taking place simultaneously introduces no complication. It cannot be claimed that this is a rigorous deduction of Kel-
vin's relations using only classical the modynamics vin's relations using only classical ther modynamics. The hypoth-
esis that the rireversibe proess of heat oconduction and youlean
heating are always aceompanied by the same characteristic inleating
rease of entropy whether or not accompamed characteristic in-
nust be becognized to be a new hypothesis, woint processes must be recognized d to be a n new hypothesis, going beyond any
explicit formulation to be found in classical thermodynamics.
The new hypothesis seeme foun The new hypothesis seems to be a most natural one, certainly not
opposed in spirit to cosasicact thermodynamies, and quite consistent with statistical pietures of the nature of entropy. In fan-


JAMES BRINN METALLURGIST FO38-WEST 35TH STREET BeqWYN. Ith
1454 Washington gincoln rebr.
 Prof. Otto Stern Carnegie Institute of Jechnology Pittshungh. Ja.

To Prof o. Stern Carnegie Tech. Pittsburgh Pa.

145 y Washingtow Ave Lincaln. Nebr.
Jan. 28.1945.
Sehr gechitus Her Professor:
Sie verden sich meiner wohe nicht mehr erinnun. Deh kam aus Achoveden nach Fraitepuit $/ M$ in 1919 und studieite unter Prof. Loreng und Fraenckil und habe dabie auch Siè kennen gelernt. In 1923 Kam ich hirker sud bin seitdem hir in diesem Sande.

Och mrichte ror Allem Jhnen herfichst $z \mu$ dem Vahelpreis quatulieren und hoffe dass Sie in diesem Lande noch vile veitere Efolge haben werden. such hoffe ich class Sie sich hior schon eingelebt haten oder bald cinleken werden; is ist hier vieles micht so vie drüben und je weiter West man kommet, desto mehr merker man den Unterschied.

Deh morchte gern Prof Walter Fraenckel (Frankfint M/Y 1919-?) und गrof F.Hohn (Analytische Chamie. Frank. fuit 9/M 1922?-) scheiten; fales sie hier in biesem Lande sind; Kinnten Sie mir ihe Adressen viellicht gehen?
nit den besten Griussen ) her ergebener James Brinn
3.S. Sie hatten mish unter den vamen Silhesstein kennen gelane; ols ich amerikanischer Anirger woude hake sh minen Famen geädert D. S.
L. Brillouin

88 Central Park West
New. York 23
Trafalgar 4.6576

Dear Friend
Hurrah for your Nobel prize! I certainly was delighted when ? saw your hance again on the napper this morning. Are you never coming to $N$ york? If so, don't miss to call we up.

Very sincerely
Sritlomi

There are better restaurants in N. York than in Pittsburgh, for one who knows!

Dr. OTTO BRILL

Arequipa (Perú), $21-\overline{k 11}-1944$. casilla 396
sear Mur. Jtun!
Wheee I learned abost for having beee howored by the Nobel price trjether mith Pati, ? suct yon nuy evingatulations by uceaus of vey sister ii Hur Yort, tmo. D.Tysis, as I Sid uot kuor yov address. sust worr I got it, aced I naut to felicitate you to the tiy sunces an the pnolic actecrveledgucent of your wecthry of the inrestigation of the propaty of nurleciast atone. Frome the feer neers Igit, I conld not make ont, what actually research is responsitale for your distinction.
As you see from vey altess, I aur vors in finth Aucerica, sivce 1937 mosking as a occalytic checent in the biy sccinsal finn of Mausicis thethrdiil, and I aur here the chief of the lats. of the branch bere. In the nececticue o learned a lot of uineselogy and ose dressing bessles ucy accalytie urst, but thel I an nore interester in labo. awi reseant whth than in uanejing a vurce. Dut for researel there are no possititities here for lack of unatesial and specially of literature. ficce o hare cone here to tonth Aucrica vyy bily sufonnations ane the foer cheundal journals I suscriter. So I iguse mhat happeces in the sciuntific srotd. I hope mteu mar is orer, that I eace ucabe a trips to the M.S. to lears abrut the uevert derelopeneents and to fet up to date.
leay I aste you a farser? Poseibly I mue get here the apointweet at the unibessity hex for lecturing awalytic deviiton. Aew I moncd be glar of $I$ coner refer to your work for ecy intorsection class. Ant as I trl yon, I don't buter what happein, sivec jon eavue to the $\mathcal{K} . S$. If it mented not nake tos unvel trink for you to sell une, mhere ocee get the sespectire infonmations ationt your and Ratis srosk?
With ney best mites for you an frorker succeses
Iscecacie yous tovefue
CRND

South Pasadona, Gal. $11 / 16 / 44$
704 Prospect Que! 704 Prospect ave!.

Dear Professor firn, I - do not know whether you remember us. Three years ago we celebrated Thanksgiving -at the house of our -good friends, the botermanis. fo such for introduction.

We learned the other day from the Hos Angeles Fines that the Nobel Prime has been -awarded to you. Hie were really proud sandflisilled and wish to convey to you our heartiest. congratulations sancl over bes $t$ wishes for the future.
firvorely yours, Fieselotte, Arrow and Evelyue Joss

## TWINKLE, TWINKLE OTTO STERN

Twinkle, twinkle Otto Stern How did Rabi so much learn? He rose in the world so high Like a diamond in the sky. Twinkle, twinkle Otto Stern How did Rabi so much learn?

The infant cried when he was born: In Austria I feel forlorn. And he said: The stupid stork Should have brought me to New York Twinkle, twinkle Otto Stern How did Rabi so much learn?

He crossed the sea as baby small
But that didn't hurt at all. Great was his intelligence In a certain narrow sense. Twinkle, twinkle Otto Stern How did Rabi so much learn?

Talmud and philosophie Didn't really satisfy. So he thought as physicist He perhaps would not be missed. Twinkle, twinkle Otto Stern How did Rabi so much learn?

He together with his team Wiggled the atomic beam Up and down through slits so fine Saw the light of reason shine. Twinkle, twinkle Otto Stern How did Rabi so much learn?

Soon the moments made him worry And he said: I'm awfully sorry. Gentlemen, we have no chance, What we need is resonance. Twinkle, twinkle Otto Stern How did Rabi so much learn?

Well, you know, he's always right, This time he was even bright, And a quadrupole he found. Deuterons were no more round. Twinkle, twinkle Otto Stern How did Rabi so much learn?

At R. $L_{0}$ he said: Why not Should I be a great big shot? And again he was quite right He almost made it, but not quite. Twinkle, twinkle Otto Stern Ho did Rabi so much learn?

So he finally grew wise Got himself the Nobelprize. Back to physics now he is With undreamt possibilities. Twinkle, twinkle Otto Stern How did Rabi so much learn?

Twinkle, twinkle Otto Stern How did Rabi so much learn? He rose in the world so high Like a diamond in the sky. Twinkle, twinkle Ótto Stern How did Rabi so much learn?

Twinkle,tirinkle Otto Stern.

1) Twinkle, twinkle Otto Stern How did Rabi so much learn? He rose in the world so high Like a diamond in the sky. Twinkle, twinkle Otto Stern How did Rabi so much learn?
2) The infant cried when he was born: In Austria I feel forlorn. And he said:The stupid stork Should have brought me to New York. Twinkle etc.
3) He crossed the sea as baby small But that did'nt hurt at all. Great was his intelligence In a certain narrow sense. Twinkle etc.
4) Talmud and p.hilosophie Did'nt really satisi̊y. Bo he thought as physicist Fie perhaps would not be missed. Twinkle etc.
5) He together with his team Wigged the atomic beam $U_{2}$ and down through slits so fine Saw the light of reason shine, Twinkle etc.
6) Soon the moments mate him worry And he said:I'm awfully sorry. Gentlemen, we have no chance, What we need is resonance. Twinkle etc.
7) Well, you know, he's always right, This time he was even bright. And a quadrupole he found. Deuterons were no more round. TWinkle etc.
8) At MoL. he said: Why not Should I be a great big shot? And again he was quite right He almost made it, but not quite. Twinkle etc.
9) So he finally grew wise Got himself the Nobelprize. Back to physics now he is With undreamt possibilities. Twinkle etc. $10)=1$ ) 。
Intstandey aulasslich ines Flier lei den Rabia's bei der win alle an fie dochton; Viable herzliche Gliudraviusche F Bloch. fere w un the
l.l. Meh.
 E. M. PMrall

Games R S avion
gore t. Samson
Mitt Cruel


DR. BERNHARD BLUMENTHAL 58 MADISON AVENUE PERTH AMBOY. NEW JERSEY

Or. Qtho fterv Moremvad Gardeu Inorewaod Avenue
$21 . \pi$ pittstunga, 后.

Hochvercherter teer thent
Ks gescueht uur ganz selten doss uier der gurolufichen thsblichen Helegulieit hat, енши uнit deu hobel. preis Ausgezeichereten aus Aukass dioser grossen blernigg suie Glicterminsche zu ilber uittelu. Derviuere Treis der buysiker trussre auch ouce diese Aur-benunng was tiegelistet habeu. Dass fie unu auch offiziéle uideu Hreis der gang grvoseu aufguvиunen wordeu scid, una dass trei diè livichste Auszeichunng die niueur hrosinschafter zuteil werden beauv, erlaltew habeu, ist uns enie beovndere Frende una Gungtunng Es ist enie Ausgeidunng our livehsten meusculiduur treste, diè lier ui deu Vreinigren thaaten uien nevenGbdew
zuи Tennen und Fachsen glunden haben und es ist dié Verusterfung des vioraliscuen und geisligen trunumerlanfeus vou lente, plas uist beutschlaud rar.
nugen Huren vodu viele gexunde blire fruchtharer Arbeit beschicdec veici.
un den leerglidesten grussen fir Hee vud thre fcurester.

Sere
Fredel urad Gsnhard Oluvintial.

5800 munhall Road pittsbugh 17, Mov. 10-44
rifo sunfoter gar brofeffor rturn.
sin gropx ffor, sin ggun mit our Vorenifing in voble ternipt wietrfasmin $i / t$, Mrancapt mig 2 fun , oin forzlifftun Geirc wïn/gn añoz $\bar{\sim} / \mathrm{g}$ rignus. rypriber i/t simer, or firer fiimat iñ atwar triniun gofinnou fat, inno if glainbr in Namenn or Nañnimoanomor zü fronfur, wiun if aing migt bïfforg fabu, infs wir iñ alen gnofrt fiifenc, iafs $\quad$ im our gropmen ainszaifning fier aniorig befūnown worome lins īno sals $r_{\text {in in in }}$ Your gropsm beffaionufnit or walt, powait ir an/tänrig i/t ūno nift megifigirot ift, zrigun bounton, waly' sin rrgan Jhinkommor zü iforer nañun Ungabiñg frin cómun.
mit froñiveig/tmu Connfome fiir Ifr wnitmer woflwigion, orbeniba if simer Ifrer buoninourr.
H. Bünbaum.

Professiff R.T. Birge Department of Physics University of Califormia Berkeley, Califormia.

Dear Professor Birge:
Thamk you very much for your kind letter of congratulation.

You know how much I like Berkeley. However, in the matter of retirement, the Nobel Prize will have some influence, but unfortunately in the wrong direction. It would not look rieht if I would retire just after receiving the prize.

I expect, hoverer, to spend the next summer in Berkeley on account of my health, and am looking forward to sooing you and all my old friends.

Very sincerely,
0. Stern

## UNIVERSITY OF CALIFORNIA

DEPARTMENT OF PHYSICS
BERKELEY, CALIFORNIA
November 11, 1944

Professor Otto Stern
Carnegie Institute of Technology
Pittsburgh, Pennsylvania
Dear Professor Stern:
Since the telegraph company is not supposed to accept telegrams of congratulation, I will content myself with a letter.

I think you know that in past times, when Dr. Campbell was President of the University and we were asked each year, to suggest nominations for the Nobel Prize, we always sent in your name. Hence you can see that we are quite satisfied with the final result, although I presume that this final result is not in any way due to our efforts. You certainly deserve it and I am more than pleased to learn of the award.

My first knowledge of this matter came over the telephone Thursday evening from the San Francisco Chronicle. They had just gotten over the wire a dispatch saying that a Nobel Prize in Physics had been awarded to a Mr . Isaac Stern for something about the magnetism of the "prontrums". The editor wanted to know what "prontrums" were and I had to confess that I did not know any more about them than he did. I told him that there was a Mr. Otto Stern and probably the dispatch referred to him, but we decided to wait for further clarification. Then, about half an hour later, I heard over the regular news broadcast a correct statement of the two awards to you and to Professor Rabi.

According to the Berkeley Gazette last night, you are intending to live in Berkeley on your retirement. We are, of course, also glad to hear that, and I would be interested to know just when the retirement is to occur. Possibly the award of the Nobel Prize will have some influence on that meter.

Again congratulating you on this well deserved honor, I am

$$
\begin{aligned}
& \text { Yours sincerely, } \\
& \text { Vaymond T. Brace }
\end{aligned}
$$

RIB: Y
Via air-mail
11. hromber. 44

Rerler Hans Vollupe foem!
Th frem mich aufrichtigot, dap The vorbreffliches werk mit des Verleinung des nobel preises aus geaeichnet wurde. Anpfangun ie mair herslichaten turnoche. tich wolthe sie telearafisch iiter. mitteler, aber das Solegram wurte auninangewiesen. - Fch bir Aomus. tag wis der in ? mil merke
mence biunsche mindlich wieder holen.

Peste Griñs


Nor. 8.44

Gechaies Properros firm! foreken lese ine in sers jiviong von dea prorben Ghamp, die fancen gn. ieic yenvas den ini.
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## ALFRED BERGMAN

SO BROAD STREET
NEW YORK, N. Y.
HANOVER 2-0590

24 November 1944

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Dr. Otto Stexn
Carnegie Institute
Pittsburgh, Pennsylvania
Dear Dr. Stern:
    I want to congratulate you on receiving the
Nobel Prize. All I can say is that you are certainly de-
serving of it.
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With kindest regards, I am,


My dear Professor Stern:
Having just read the welcome news that you have been awarded the Nobel price 1943 I want to congratulate you very heartily for the high international distinction which honours not only your personal work, but the whole branch of investigation which you have so successilully initiated.

Believe me to be, my dear
Professor Stern,
very sincerely yours


# ROUSS PHYSICAL LABORATORY <br> UNIVERSITY OF VIRGINIA <br> UNIVERSITY STATION 

CHARLOTTESVILLE. VIRGINIA
November 13, 1944
Professor Otto Stern Carnegie Institute of Technology Pittsburgh, Pennsylvania

## Dear Professor Stern:

I have just seen a newspaper account of your receiving the Nobel prize and want to extend my best congratulations. You have richly deserved this great honor for many years and it is good news that it has now been awarded to you.
With best regards, I am


MEMORANDUM
CARNEGIE INSTITUTE OF TECHNOLOGY PITTSBURGH 13, PENNSYLVANIA metals research laboratory

To: Ne. Sen
Subject:

2nv10 1944

# CALIFORNIA INSTITUTE OF TECHNOLOGY PASADENA 

December 19, 1944

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Professor Otto Stern,
Carnegie Institute of Technology,
Pittsburgh, Pennsylvania.
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## Dear Professor Stern:

I was much pleased to learn a little while ago that you had received a Nobel prize in Physics. You have my best congratulations. For many years I have thought you ought to have one. Indeed, as I really it, the first time 1 had the honor of being invited to make nominations for the Nobel prize - more than twenty years ago I nominated you and Gerlach. I suspect strongly that usually* $\uparrow$ Justice finally arrives, even if she is sometimes slow.

This letter would have been written earlier but for the fact that in recent weeks I have been terribly rushed with changing my residence from Westwood to Pasadena. At the end of June, I was retired in accord with the inexorable law at the University of Californis. This left me free to devote much more of my time to ing researches over here - where I do not retire; the time consumed in the travel and the expense involved, and the fact that we can live less expensively here than in Westwood (important now that my income is very greatly reduced) mace the change imperative. I still maintain an office at the University as Professor Emeritus, but can be here now more of the time.

I hope that we shall see you here again before very long. Of course, things are very badly upset by the war; but it will come to and end bye and bye.


SJB: ahw

