

©2023 YHAL, YITP, Kyoto University  
京都大学基礎物理学研究所 湊川記念館史料室

N 16



# Jumbler

No. T5882E-11 x 8 1/2—Theme No. 2

**URNS QUICKLY LIES FLAT**

DIARY II;  
Oct. 1948 ~ Dec. 1949  
(New York,  
Princeton, U.S.A.)

Name

*H. Yukawa*

Subject

MADE IN U. S. A.

s04-08-23~24挟込

s04-08-22

Princeton

N 16

Oct. 18, 1948, Monday

Institute に行くと、Mr. Goodman road

が、この路の建の小屋へ、本館を廻り、  
雨が雨少し降りました。

午後 雨の降る。

Oct. 19, 1948, Tuesday

Institute に行くと、その Pais の IP について

Wigner について

4.15 pm から 3.15 pm の 講演  
Seminary, Oppenheimer の話、

講演 2 本の

午後 Pennsylvania Univ. 5#

Oct. 20, Wednesday

Mr Goodman road の路の小屋の  
小屋へ、本館を廻り、heater  
の修理を済ませ、Institute に行くと

その down town に行き、Bank,  
Post office に行き、Parker Pen を買った。

午後 講演。 Katsumi Tanaka





Oct. 25, Tuesday  
Institute in K. 湯川記念館の5階で4:15  
から10:00までPPA Instituteの研究所で、-8%  
in Oppenheimer of a 20%。7/12 - 8% in 湯川  
20:00まで。

4:00, 5:30 Seminar, Uhlenbeck of, Question  
を提出。

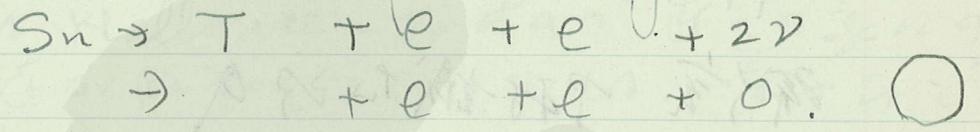
講演. 湯川 Heitler of

Oct. 26, Wednesday  
Institute in K, Pohlrich in N-P in 湯川  
Uhlenbeck of in N-P in 湯川。

講演 Feynman

Oct. 27 Thursday  
 Institute, 10.00 am Seminar

Topic: Feynman Theory  
 as Apprehension of  $u/\bar{u}$ ; Goudsmit  $u/\bar{u}$ ;  
 4.30 p.m. Pine Hall:  
 Fireman, Gröbble  $\beta$ -decay



latter case:  $\left( \begin{array}{l} \cancel{\psi^*} \cancel{u} \\ \text{creat} \quad \text{annih. creat.} \end{array} \right) + \text{latter case}$   
 $\left( \begin{array}{l} \psi^* \\ \text{creat} \end{array} \quad \begin{array}{l} \cancel{\nu} \\ \text{annih creat} \end{array} \right) + \text{former case}$

former case:  $\psi^* \phi$  former case only  
 $\text{creat} \quad \text{annih}$

latter case:  $\psi^* \phi + \psi^* \phi^*$   
 $\text{creat} \quad \text{annih} \quad \text{creat creat.}$   
latter case + former case

Wheeler  $\alpha$  の  $\bar{e}$   $\nu$  Party  $\bar{e}$   $\nu$ . Sumitomo の  $\bar{e}$   
 $\bar{e}$   $\nu$ . 30 (with) Ladies  $\bar{e}$   $\nu$ . Japanese device

変換 39 頁 Klein, Pair Theory.

Oct. 29, Friday  
Institute in NY

4:30 pm Palmer Physical Lab. in Theoretical  
Physics Seminary. Oppenheimer の  
Permingam の solvey の 発表. 湯川又  
Oppenheimer の 話 して いる.

湯川 中野 誠 氏 の

Greisen

American Physical Institute of Physics  
(1948 Phys. Rev. (雑誌))

Oct. 30, Saturday  
Institute in NY

午後 0:45 385 の train に New York へ 行く.

Aberdeen Hotel in Jchitaino Sakata の  
に 泊る. - 8:00 Time Square の Terada  
講演 へ 行く. 湯川 誠 氏 の 発表 へ 行く.

~~湯川 誠 氏~~ の 講演 へ 行く. Transcontinental  
Incorp. へ 行く. 湯川 誠 氏 の 講演 へ 15\$ を 支払う.

Miyako へ 泊る. 湯川 誠 氏 の 講演 へ 行く. Presidential  
election を 聞かせる. Dewey の 演説 へ

Madison Square へ 行く. 湯川 誠 氏 の 講演 へ 行く.  
湯川 誠 氏 の 講演 へ 行く. 湯川 誠 氏 の 講演 へ 行く.

Oct. 31. Sunday Halloween

10 am Dr. and Mrs. von have 来た.

午後 down town へ出て Play House  
で Movie を 見た. "Apartment for Peggy" の  
という Technicolor の 映写を見た. 6時迄  
まで いた.

今日は Halloween へ 行った ところ 近くの 公園 の  
子供 達の 遊び を見て いた. 楽しかった  
おかし.

Nov. 1, Monday  
Institute へ 行く.

受信

坂田 先生 (air mail)

→ 先生 ( " )

→ 林氏 ( " )

Schwab Congress

受信

坂田 先生 (air letter)

Mrs. Watanabe (Special Del.)

Nov. 2, Tuesday

3rd President election Day  
Institute etc. classes at 10:00  
- 3rd election.

4:15 pm Seminar Dyson の講義,  
Sumiko Babcock の講義の後に  
 election の集りの Radio News を  
聞く. 新聞によると Dewey が選挙  
のころから 10 pm までの投票  
Human  $2.2 \times 10^6$ ; Dewey  $1.9 \times 10^6$   
とある. しかし 投票率  $50 \times 10^6$  以上の  
の集りの数で, 40 万と 40 万 票の差が  
7才  $60^\circ\text{F}$  位の少くとも heater を  
使う.  $66^\circ\text{F}$  位の気温

Nov. 3, Wednesday 曇りの日, 室内の気温

9時 30分 4th election の result を聞き  
15分 投票の結果として Truman  $19 \times 10^6$   
Dewey  $16 \times 10^6$  を lead している.

9時 Institute へ行き, 資料の取出し. AWP へ  
Wheeler 先生へ会い, dress を貸して  
お返しして送ってもらう. 9時 11分 投票の結果  
Truman (22,000,000) (elect. vote) Dewey (18,900,000) (elect. vote)

11時 投票の結果, アメリカの大選の結果  
選挙の結果, 民主党, Roosevelt, Santalo, Thomas

送信. 11月3日. (air letter)  
受信. American Institute of Physics  
Darrow (Amer. Phys. Soc.)

Nov. 4. Thursday

雨で少くも寒い。heaterの室内は70度F以上ある。

Nov. 5, Friday  
Institute へ行く。

午後 Five Hall へ行く。Wigner へ会う。Kawada  
の講演がある。Smith へ行く。4:30 pm  
より Theoretical Seminar, Weiskopf: High  
Energy scattering.

午後 3:05 より Oppenheimer の Dinner Party  
Mr. and Mrs. Wheeler, Mr. and Mrs  
Platz, Plazek, Mr. Weisskopf, Miss  
Morette 等。

急電 坂田君 (air mail)

Nov. 6. Saturday

Institute へ行く。von Laue: Superconductivity  
の講演。3 時 45 分。70度F以上。

午後 5:00 まで downtown へ行く。Playhouse  
→ Technicolor "Life with Father"

(William Powell, Irene Dunne) へ行く。急電 坂田君 -  
27 日。1883 年 of New York の急電 坂田君 へ行く。



Nov. 9. Tuesday

Institute 119<

午後 4時 15分 Seminar

晩飯 - 生 飯 作 - 建 造 (12-11) 下 つか 4 時 2 分

Schwinger 対称性の Field Theory の  
最近の Version の 重要 同 問題 と して

講演 American Phys. Soc.

Life (Nov 1, Nov 15)

講演

American Phys. Soc. (Darrow)

Nov. 10. Wednesday 日

Institute 119<

"General Theory of Unlocalizable Field"

11-11-10 11-11-10 11-11-10

講演 American Phys. Soc. (10 時 開始)

講演 Enatsu

Narumi

Nov. 11, Thursday 少 12 時 1 時 15 分

Institute, 午後 2 時 Seminar

講演 Oppenheimer's Office.

Corben (Pittsburg)

Solvay Institute (Report)

~~Nov. 11. Thursday  
Institute - 19c.~~

Nov. 12. Friday  
Institute - 19c

講演 5つと 演習 半席 (19c)

午後 4時 30分 起, Fine Hole  $\tau$  Theoretical  
Seminar, "Some works on Field Theory"  
Pair of  $\tau$  Summary 4時 20分 起. Audience  
about 50. Pair 1時 20分 起 2時 20分 起 3時 20分 起 4時 20分 起.

講演 Berthe

演習

Serber,  
Enatsu,

Nakaichi

Prog. Theor. Phys. 3, 2, 5p  
中野 昭夫 著 5p

Nov. 13. Saturday  
Institute in Iwasaki's Seminary  
午後 3:00 始。

午後 5:00 Segré (Photo 等)  
TransContinental (1974 年 12 月)  
~~等~~

Nov. 14. Sunday  
~~Very fine~~  
Afternoon: Weinberger, Bourquin 等  
午後 4:00 始。Giniko の Movie 等  
始。  
Evening: Truettner ~ Bourquin, 角谷 等  
Chopin 等 始。

Nov. 15 Monday  
Institute 始。午後 downtown 始  
始。午後 1:00 始。又 heater 始。

午後 Weisskopf / Kemmer  
午後 5:00 Segré (Photo 等)  
Araki 及び Amer. Inst. Phys.  
午後 6:00  
Solway Institute

Nov. 16. Tuesday  
Institute ~ 14<

12 4 45 15 5 57 Oppenheimer の 14 2  
Tea Party Trustee Members 12 2  
Professors 会合, (Aulotte 氏等)

Nov. 17, Wednesday

Institute ~ 14<, Dr. Berthe ~ 14 2

12 4 45 15 5 27 Seminar Dr. Berthe の 14 2

増信 Sakata (Prog - Phys. Rev. 2 19 9/13)  
Weisskopf

Nov. 18, Thursday

Institute ~ 14<, 12 4 45 15 5 27

Seminar, Dyson 氏等

増信 Ematsu 氏等

Nov. 19, Friday

Institute ~ 14<, 12 4 45 30 5 University

2 Theor. Seminary, Prof. Breit & P-P Scattering

Nassau Tavares 氏 増信 会合. Breit, Wigner,  
Wheeler, Uhlenbeck, Pais 氏 19 2

しかし中印方面の事情が  
場を急変させた

Nov. 20, Saturday 大妻帯の70歳以上の話し

Institute 1145. 1000305 Seminar, Prof.  
Plesczyk, Interaction between Neutrons and  
Electrons.

その Bradley の - Television 1145,  
Princeton-Dartmouth の Football game の放送  
送. Karplus, Dyson, Feer, Power - 8%

午後 Darwin, (American Phys. Soc.)

後信 Corben (Pittsburgh)

News 近頃の World news を 24 時間 録音して  
おく。

1. Nov. 2. President Election
2. Shore Sea Men Strike Sep. の 3 週間  
2 週間、4 週間 続いた...
3. China: Mukden の Communist troops  
の 4 週間 occupying した、Nanking の  
危ういところ、China 問題の  
America への 20 年 問題の 一つ  
の 一つ。
4. Palestine 問題
5. France の miner strike
6. Princess Elizabeth の 王子 誕生
7. Tokyo の 新 決 問題、
8. Snowdrift
9. Turkey の 1 億 人の 1 億 人の Thanksgiving day.

Nov. 21 Sunday  
Lunch at home. - 湯川記念館. "Meidi" を湯川記念館  
に.

Nov. 22, Monday  
雨. 湯川記念館に引ついで. down town  
の書店に買物. 4PM 155 Seminar 終了.  
Dyson. 湯川記念館に引いで湯川記念館  
に引いて.

Nov. 23, Tuesday  
Lunch at home. Institute に行く. Leung 氏との  
Seminar Dyson 終了.

宿舎 Tomonaga

Nov. 24. Wednesday  
Lunch at home.  
Institute に行く.  
湯川記念館 Bradley, に引いて湯川記念館, Wheeler  
氏の話を聞く. 小島. Crossley に乗せて湯  
川記念館に drive の帰りに. 湯川記念館  
に引いて湯川記念館.  
6PM 30分. Copenhagen の Buffers  
Party. Placzek 氏との話. 湯川記念館,  
宿舎 Watanabe

Nov. 25. Thursday, Thanksgiving Day  
少し雪の降る寒いお天候。一応 isuzu car. 千秋  
一丁外へ出て近所の子供と football を履  
けあつた。夕方又 heater を使った。  
外に 40 分ほどを 2 台の car の間で使った。

花信

Proca

Watanabe

American Inst. Phys. (Watanabe's)

Enatsu

Sakura

多信

Shimomura

Nov. 26. Friday.

Institute へ行

J. Danon (Am. Phys. Soc.)

花信

de Broglie (E. の兄)

多信

Corben Pittsburgh

Muller

Nakachi

Nov. 27. Saturday

Institute へ Institute へ行、10時 30分 0112

Station へ行。Kakutani 君と会って New

York へ行く。Automat で食事。Mary's で

食事。Empire State Bld. へ上る。RCA へ行く

で ice skate をして 50m street の dining

garden へ行。Broadway を 5:15 まで 7 分

の電車に乗る。

Nov. 28, 1948 Sunday  
Dr. Stephens 氏 - 14 時 Garage の 2 台車。  
午後 1 時 Marcus 氏 - 車 2 台 費 2 台 - 1 時 肉 包 子  
car の 修 繕 等。  
午後 3 時 Graduate College の wing a Wyman  
house の Dean Taylor の 邸 - 1 時 肉 包 子。  
午後 Mrs. Leary, Dr. Wheeler 氏 等。

Nov. 29, 1948 Monday  
湯川 博士 の 邸 へ ...  
Institute へ 14 時, Dr. Hu 氏 等。  
午後, Rossi  
Breit

Nov. 30, 1948 Tuesday  
Institute へ 14 時  
午後 4 時 15 分 Seminar 2 "Remarks on  
nonlocalizable systems" へ ... 2 時 30 分  
午後 Rossi

Dec. 1, 1948 Wednesday

In the morning, Mrs. Yajima meets with Mrs. Henry and goes with her and with Mrs. Russell to visit Mrs. Ojyehsiner to the hospital in the afternoon.

Learn driving for the second time from Mr. Marcus.

After dinner, Mr. Shimomura came to our house.

Dec. 2, 1948 Thursday  
~~Institute~~ go to the

Dec. 3, 1948 Friday

Go to the Institute.

At 4.30, theoretical seminar at the university by Prof. Heisenberg,  $\beta$ -Decay.

Dec. 4, 1949, Saturday

Institute Seminar, Platzczek,

Electron-Neutron Interaction (contin.)

In the afternoon, go with Sumiko to Doctor. In the evening, go to Philadelph Fellowship House with Mr. Shimomura.

Dec. 5, 1948 Sunday

Stay home all day.

In at 5 pm Dr. Kinoshita came with

Dr. and Mrs. Woolsten,

At 8 pm. We went to Mrs. Kourgin's  
house to see 8-mm movie.

Dec. 6, 1948 Monday

Went to Institute,

Seminar in the afternoon, Bargman,  
scattering matrix.

Letter received

香取の南行文.

Wammi

Dec. 7, 1948 Tuesday

Went to Institute

In the afternoon learn driving for the  
first time.

Prepare in the evening for our trip  
to Boston.

Letter received Sakata

Prog. Theor. Phys. 3 No. 2 (10 copies)

Saheki (Dr. Kusaka's biography)

Letter sent

Kobayashi (letter to the editor)

Dec. 8, 1948, Wednesday

Start to Boston ~~to~~ from Princeton by 9:43 am  
change to "Pilgrim" at Princeton Junction 9:53 am,  
arrive Back Bay, Boston at 3:50 pm.  
Dr. Rossi came to take us to his house at  
Winchester, welcomed by Mrs. Rossi,  
Florence and Frank? Friends of Rossi  
came after dinner and they showed us  
marionette composed by Mrs. Rossi.

Dec. 9, 1948, Thursday

Went by Dr. Rossi's car to M.I.T., Camb.,  
~~met with~~ visited Prof. Hayward, metallurgy,  
Prof. Weiskopf, after taking lunch  
at Rossi's office, discussed about  $\mu$ - $\beta$ -  
decay with cosmic ray group.  
after tea, talked at Colloquium with  
the introduction by Prof. Slater on "Some  
Problems of Neutron Theory". The whole  
room was filled up, some could not  
find chair.

After dinner at Rossi's house, theoretical  
physicists such as Weiskopf, Schwinger,  
Furry, Freedman etc assembled.  
Sumi danced.

Dec. 10, Friday

In the morning visited Museum of Fine Art and met with Tsunejiro Tomita, head of Oriental Art and took lunch together. In the afternoon, went to Harvard University and called on Prof. Elliseef at Boylston Hall. ~~and~~ At 2.30 pm. went to Prof. Schwinger's office at Department of Physics and discussed the "non localizable field" with him, Prof. Weisskopf and Prof. Tully. At 5 pm went Mr. Hatanashi's sleep, 420 Baylston, Boston 16., invited to his house.

Dec. 11, Saturday

In the morning, went to South station by subway, then to Faneuil Hall, near Scollay Sq. After lunch, walked through Washington Street and bought books and toys for Rossi's children. Went to Fogg Museum, Harvard, and back to Rossi's house, where birthday fiesta for Florence began 3.30 pm, beginning with marionette. After dinner, went to Mr. Freedman's house.

Came back by sleeping car started at 12.00 pm. from Back Bay station, where separated from Mr. and Mrs. Rossi.

s04-08-23挟込

Dec. 12, Sunday

Arrived Penn. Station, New York at 6.00 am.  
Took breakfast at the station, came back by  
train started 8.05 am. Met with Prof. Oppenheimer  
~~on the way~~ in the train. Arrived home about 10.00  
It rained in the evening. Slept early at night.

Dec. 13, Monday

Usually warm, above 70°F in the afternoon.  
Went to Institute, where a lot of mail  
wait for me. Spent whole day by  
reading and sending letters.

Received: Breit

Enaton

Ogawa

Komai

Inuyama

Chubu-Nippon

Proca

Sent: Rossi.

Tomita, Yatonhashi,

K. Kimura,

Y. Ogawa

G. Araki,

Amer. Inst. Phys. (35744)

Haneda

Dec. 14, Tuesday

~~Institute at 9~~ ← Went to Institute, Go  
shopping by 11.30 am bus.  
Seminar at Tuld Hall: Watson:

Oppenheimer: Bound State in Field Theory

Received: Bohr:

Nakaichi:

Nakaya (Book)

Enatsu: 8 m letter

Kihara

Sent: Nakaichi, (Air Letter)

Yukawa, Kyoto, (..)

Kobunro Yoshimatsu (..)

C. Fujioka, Suetuna, Shimomura

Tamiya, Tomonaga)

Yukawa, Kyoto (life 4 m time)

Nov. 15, 22, 29.)

暮尔き雪の小径にふりかへる  
インスチテートの窓のどしどし

Dec. 15, Wednesday

Very cold ( $40^{\circ}\text{F}$  in the house), it snows for the first time. Went to Institute.

After tea Dyson came to my office, talked about fundamental problems of field theory, and also Cornell gift of books to Japan.

Received: Mrs. Morse  
Mr. Shimomura

Sent: Dr. Dees (Air Mail)  
Mrs. Kelly ( " " from Mrs. Yukawa)  
Kobari (two Post Cards)  
Yabuuchi (Post Card and  
Wintner's book)

Dec. 16. Thursday

Still cold, continues snowing. Went to Institute. Busy in see proof sheets of a book to be published from Kobunsha. Very reluctant to publishing such a book.

Received: Kobayashi  
Utiyama

Sent: Nakaya, Nakaidi, (air letter)  
Nakaidi (proof-sheet), Sekai Bungakusha  
Kishara

Dec. 17, Friday, Milder, fine.

Went to Institute. In the morning went by bus to Downtown and bought overshoes, rubber boots etc. Went back to Institute

~~Went to~~ Attended Theoretical Seminar at Palmer Physical Lab., Prof. Kronig speaking.

In the evening went to Mr. Kuiper's house, joined with Prof. Kronig, Prof. and Mrs. Uhlenbeck.

Received: Mr. and Mrs. Decker (Christmas Card)

Dec. 18. Saturday Milder, fine

Went to Institute. Seminar, Prof. Molloy speaking. In the afternoon learned

diving for the 4-th time from 3 ~ 4 p.m.

At 5 p.m. went to tea at Prof. Morse's house.

Received:

the snow comes!

Dec. 19. Sunday

Snowing from last night, continued snowing till night, the depth being about 40 cm already at 6.30 pm. Stay all day at home. In the afternoon Prof. Moller came walking in the deep snow, talked with each other about many topics of meson theory. He is particularly interested in my non-localizable field theory.

Sent: Amakawa (Air letter)

Yinli Yuasa ( " )

Serber (Christmas Card)

Lawrence ( " )

Gelbart ( " )

Received: John Wiley

Uyama

Dec. 20, Monday

Radio reported 3rd greatest snow in the history of New York. 10.30 am. Continuation of Moller's lecture.

Sent: Katsurui

Uyama

Received

各粒核の性質を研究して  
 12月12日青島で実験の結果

Dec. 21, Tuesday, Fine  
 Went to Institute. In the evening 6.30,  
 attended Christmas Buffet supper party at  
 Oppenheimer's house. Snow still remaining,  
 slippery. Mrs. Oppenheimer was not yet  
 quite well.

Dec. 22, Wednesday, Fine  
 Went to Institute. Radio reported  
 War Lords, Tojo and other six, were hung  
 0 am (Tokyo Time) or 10 am (E.S.T.)  
 this morning. More than half of  
 Institute people already went  
 off and it is quiet, common room  
 was decorated with tall Christmas  
 tree.

Dec. 23, Thursday.  
 Went to Institute, then to Downtown, post office,  
 Zavella, barber etc. In the afternoon  
 Mrs. Babcock and Mrs. Thomas visited  
 us and sent us to Institute, where Christmas  
 party for children was held from 4.30 p.m.  
 The bus driver was became Santa Claus.

定一 → 湯川博士のクリスマス  
~~湯川博士のクリスマス~~ 湯川博士のクリスマス

Dec. 24, Friday  
Stayed at home. In the afternoon went to Institute. Received many Christmas cards. Sumiko sent many cards to Japanese relatives and friends. While I wrote a manuscript to be sent to Asahi Press.

Dec. 25, Saturday, Christmas  
very cold, cloudy, in the afternoon it snowed for a short time. My health seems not so well. At 6 p.m. went to Mr. Steinberger's dinner. Mr. Dyson was also invited. Christmas pine tree, candles, turkey, talks on games etc. In spite of the heater running quite well, the house ~~was~~ still not so warm, temperature being middle fifty.

Dec. 26, Sunday, Fine a little warmer. Radio said in New York the temperature was about  $10^{\circ}\text{F}$  in early in the morning, at 2 p.m. it was  $19^{\circ}\text{F}$  out of doors of my house. ~~18~~ (Radio said  $18^{\circ}\text{F}$  in New York) In the house it's already  $70^{\circ}\text{F}$ , as high as. Stayed all day at home. In the afternoon Dr. Pais came and asked a few questions about nonlocalizable field.

Dec. 27, 1948 Fine, A little warmer.  
Went to New York, to Times Square by subway  
Took lunch at a Automat, walked to  
Transcontinental, ordered to Mr. Kobayashi  
new year's food etc. went by bus to Mr.  
Terada's shop and bought a camera.  
Went back to 34-street, Macy's, bought  
on the way brown shoes. Went to  
Macy's and Saks. Took supper at a  
Chinese restaurant near Penn. station.  
In the train met with Mrs. Goldstone  
and came home at 8.30 p.m. by her  
car.

Dec. 28, 1948. Fine, warmer,  
~~stayed~~ stayed at home ~~in the morning~~ all day,  
except went to Institute to take back  
mail. Sumiko went to Mrs. Steinberger's  
house.

The Christmas tree of my house is now  
decorated by 16 - Christmas cards from  
Rossi, Serber, Morette, Power, Teer,  
Chang, Jelinek, <sup>K. Tanaka (Cali)</sup> ~~Morette (Boston)~~, Yatsushiro (Boston)  
Oppenheimer, Daner-Watanabe, Zavella,  
Nyman, Chikoko Ogawa, Saiki, Babcock,  
Kelly, Mainichi Press, Iglehart,  
Gelbart. (20 cards)

Dec. 29, Rain, warm  
In the morning went to Institute.  
In the afternoon went to downtown,  
saw movie "Paleface".

Sent: de Broglie (Prog. Vol. 1, 4 ~ Vol 2, 4)  
Proca (~~de~~ Prog. and letter)  
Meitner (Prog.)  
Received: Tanikawa

Dec. 30, Rain, warm  
In the afternoon went to Institute.  
Sumiko went to Steinberger's house.  
Telephone calls from Mrs. Oke, Mrs.  
Henry. Telephoned to Mrs. Moore - Mrs.  
Hasegawa.

Sent: Heit & Klein (Prog.)  
Harumi, Narumi (air letter)

Dec. 31, <sup>A little Rain,</sup> ~~Rain~~ Windy  
went to Institute in the morning and in  
the afternoon. Windy all the day.  
In the evening telephone call from Mr.  
Shimomura

Received Transcontinental (Package)  
Sasa (Baltimore)

湯川記念館史料室 湯川記念館史料室

1949

12月23日  
12月28日

Jan. 1, Saturday, a little snow, cloudy  
As taxi did not come, we walked through  
Golf links to railroad station, covered  
with snow in order to catch 9 am train  
to Philadelphia. Mr. Hasegawa was  
waiting for us at 30th street station and  
took us by his car to his house in Essington.  
We enjoyed Japanese New Year's lunch  
with his father, mother, Mrs. Hasegawa,  
his brother and baby. In the afternoon  
went back by car to Chestnut str, Philad.,  
where Mr. and Mrs. we joined the  
New Year's meeting at Mr. Frowe's  
house. Went back by 6. pm train  
to Princeton.

Jan. 2, Very fine, not very cold.  
In the afternoon took lesson (5 hr) from 2  
to 3 pm of driving to downtown and highway.  
Very much tired.

Received: Sakata (Air Mail)

京都大学基礎物理学研究所 湯川記念館史料室  
 湯川記念館史料室  
 23年 8月

Jan. 3, Monday. Very fine and warm  
 In the morning went to downtown,  
 bought books for sale at Zavelle's,  
 Prof. Rosenblum took us back home.  
 In the afternoon went to Mr. Olye's  
 house at in Milltown by his car,  
 enjoyed the delicious Japanese New  
 year's cooking, came back home  
 in the evening.

Received: S. Nakamura (Air Mail)

Jan. 4, Tuesday. Cloud in the afternoon,  
 warm.

In the morning, visited Mrs. George  
 W. Flowers, 10 Dickinson St.  
 In the afternoon went to Institute,

湯川記念館史料室 = 372.

Received: Taketani Okumura  
 Araki Progr. 3-3,  
 Watanabe 943429,

Enatsu (29th letter)

Saw: S. Inoue (Post card)  
 I. Masegawa ( " )  
 S. Shimomura ( " )  
 M. Sasa (Post card)

Prof. Kobayashi, Mr. Enatsu, Mr. Okumura  
 (Air letter)

(in Yale University)

Jan. 5, Wednesday. Rainy, warm  
Went by 9.43 am train to New Haven.  
Met Prof. Breit came to meet me at  
the station. After lunch, visited  
laboratory of cosmic rays, cyclotron and  
linear accelerator. After ~~the~~ taking  
supper with Breit, Onsager, Pollard,  
Montgomery, Margenan, (Luk<sup>hey's?</sup>), talked  
at the theoretical seminar under the  
title "Some problems of meson theory".  
Stayed overnight at Breit's newly  
built house at 15 Goodrich St.

Jan 6. Thursday, cleared up, still warm.  
Came back by 10.06 am train  
from New Haven to Grand Central Station,  
New York. After taking lunch at  
restaurant on the basement of the station,  
came back through Pennsylvania Station.  
Arrived home at about 3.30 pm.

Received: { Tamura (air mail)  
Araki (air mail)  
Corben

Sent: Corben

Thinking by writing!  
 Thinking by calculating!  
 Thinking by talking!

Jan. 7, Friday, fine and warm  
 In the afternoon, went to Institute.

Received:

Sent: Prof. Rober (air mail and Prog.)

Jan. 8, Saturday

Very warm and fine. Temp. above  $50^{\circ}\text{F}$   
 like spring time. Went to Institute  
 in the morning. In the afternoon,

~~Jan. 9, Sunday~~

Unusually warm, temperature rose above  
 $60^{\circ}\text{F}$ , at  $90^{\circ}\text{F}$  in the room. Very fine  
 weather.

~~In the afternoon~~ At 8 pm, came Mr.  
 and Mrs. Bourgin, Mr. and Mrs. Steinberger.  
 served rice cake, cod-fish eggs, roasted  
 chicken etc.

Jan. 9, Sunday

In the afternoon learned driving from  
 Mr. Marcus and went driving to downtown  
 and saw the movie "Words and Music"  
 at Play House.



Jan 13, Thursday  
Went to Carnegie Institute of Technology with Corben near his house. Met Dr. Grentz working on <sup>sc</sup>synchrotron and many other people. Talked to theoretical group about nonlocalizable field theory. After lunch, visited Dr. Esterman's laboratory. At 4.30 pm, after introduction by Corben, talk before Seminar about meson theory. After dinner, came back to Corben's house, where several friends assembled. At Dr. and Mrs. Duffin took me to Liberty station, where I rode on ~~the~~ H. & I sleeping car. "Philad. Night Exp."

Jan 14, Friday  
Arrived Philadelphia early in the morning, changed car and came back home about 8.30 am.  
Went to Institute. At 4.30 pm. Bethe talked on scattering phenomena at theor. seminar at Palmer Phys. Lab. Dinner with Bethe, Oppenheimer, Wigner and other at Nassau Tavern.

Received: Breit

Jan. 15, Saturday Fine, Warm  
Went to Institute.

Sent: Breit

Jan. 16, Sunday, Warm, & Fine  
in the morning, cloudy in the afternoon.  
Institute

Jan. 17, Monday  
Institute

Jan. 18, Tuesday  
Institute

Jan. 19, Wednesday  
Went to Columbia University. Could not  
see Prof. Rebi, met Dr. Darrow, Dr. Lamb,  
Slotnik, etc. Bernaldini etc.

Jan. 20, Thursday  
Institute

Jan. 21. Friday  
Institute

Received: Mon. Hila Myron.  
Amer. Inst. Phys.

Jan. 22. Saturday  
Went to Institute, met Prof. Bethe  
in the afternoon, Seminary.

Jan. 23. Sunday.

Jan. 24. Monday  
Institute

Jan. 25. Tuesday  
Went to Institute, busy writing the manuscript  
for New York meeting until 2 am of the  
next morning.

Received: Nakaichi (air mail)  
Nakamura

Jan. 26, Wed. just finished writing.

In the morning, went to Institute, handed  
the manuscript of the paper to be read before  
New York meeting, to Mrs. Russell.

In the afternoon, Mr. Ohye, Mrs. Umezawa  
took us to New York, 114 St, E. 2nd Ave. Visited Dr.  
Rabi at Columbia University. <sup>met Dr. Loomis.</sup>  
~~met Dr. Parrow.~~

In the evening, invited to party at Prof. Rabi's  
house. Loomis, C. Anderson, Lamb assembled.  
Mr. and Mrs. Ikari took us to apartment at 114 St.

~~Jan.~~

Jan. 27. Thursday.

Attended A.P.S. meeting.

In the evening, attended dinner at Hotel  
New Yorker.

Jan. 28. Friday.

Read invited paper "Models and Methods in  
the meson theory" at Haue meier before more  
than 400 audiences. President

In the afternoon, heard Oppenheimer's  
retiring address "Fields and Quanta" at  
McMillan Theatre.

Went to down town with Sumi and Mr. Wada.  
Met Mr. and Mrs. Rossi at Hotel New Yorker.

Jan. 29. Saturday

In the morning, attended the A.P.S. meeting.

In the afternoon, Mr. Ikari drove his car for us to Yankee, Coney Island.

After supper at Umezawa's apartment, attended the party at Japanese church at 143 st. Mr. Ikari again took us driving around the Manhattan.

Jan. 30, Sunday.

Got up late, Played "Go" game with Mr. Umezawa. In the afternoon, went to Hotel Aberdeen, where we met Mr. Takata. Took dinner with him at Chinese restaurant at 125 st.

Mr. Ohye took us back to Princeton.

Jan. 31. Monday. Snow, colder  
Went to Institute,

Received: K. Tanaka,  
John. Wiley. (Contract)

Feb. 1, Tuesday  
Went to Institute. Met Prof. Marshak.

Rec: Araki

Sent: A. Inst. Phys.

Tomonaga

Enatsu (A. P. S. Program)

Araki

Prof. Tate (Araki connection,  
Watanabe)

H. and T. Yukawa.

Feb. 2, Wednesday  
Went to Institute.

Sent. Prof. Arakatsu (Air letter, "Nuclear  
Physics in Photographs")

Prof. Kobayashi

Feb. 3, Thursday  
Went to Institute. Former student  
in Kyoto University, Ula Ngun, a Burmese  
came with his friend in Lehigh Univ.  
In the afternoon, Mr. and Mrs. Lewis,  
a member of GNR, Tokyo, came to our  
house

Received: Prof. Gelbart

Sent: Prof. M. Tamura (Air Letter)

Mr. Suzuki ( " )

Mr. Okumura ( " )

Prof. Watanabe ( " )

Prof. Buchta

Feb. 4. Friday

Went to Institute

Received: Rosenfeld, Nuclear Forces II.

Sent: John Wiley (Contract)

Feb. 5, Saturday

~~Went to downtown~~

In the afternoon, went to Institute

In the morning inquired Prof. Einstein.

Sent: Prof. Sakata.

Mr. Enatsu.

Feb. 6. Sunday

Stayed home all day, except took a walk around the house.

Sent: Prof. Gelbart

Dr. Peters (Special Delivery)

Prof. Buchta

Feb. 7. Monday. Raining in the morning  
Went to Institute, then went to New York  
by train. Bought several things at  
Gimbel, then went to Franccontinental,  
took supper at Suehiro, where met  
with Takata, back to Princeton by  
9.00 pm train.

Received: Nomia.  
sent: Nishimura

Feb. 8. Tuesday. Still warm, fine  
Went to Institute. Seminar at 4.15  
pm. Case spoke on electromagnetic  
properties of nucleons. In the evening  
Mr. Ohye took us to his house by car.  
After dinner, swim danced at Nixon's  
house, came back home near 12 pm.

Feb. 9. Wednes.  
Went to Institute. Came back to home  
at noon and met Mr. Shimomura.  
Went to Institute again in the afternoon.

Received:

sent: Enatsu (Phys. Rev. Jan 1,  
Jan 15, 1949, Rosenfeld II)  
Prof. Marshak, Prof. Gelman  
(Special Delivery)

Feb. 10, Thursday. Snow.

Went to Institute

Sumi caught cold, not serious

Received: Buchta

Sent: ~~And~~ Sakata

Sent: ~~\*~~

Feb. 11, Friday

Went to Institute, at 4:30 pm attended  
Theoretical seminar at Princeton University.

Prof. Wheeler talked on "Problem of Nuclear  
Electrons". At 8:00 pm went dinner to

Received Prof. Wigner's house, afterwards  
went with Mrs. Wigner to see ball room  
dance at Alvan house? Came back home at 12 pm.

Received: Prof. Klein

Sent: Buchta

Satur: Feb. 12, Saturday. Kinoshita's Birthday

Went to Institute. Seminar. Miss Morette.

talked on cosmic ray experiments at on  
Colorado mountains. In the afternoon

Mr. and Mrs. Ross visited us.

Received: Prof. Rabi (Columbia Univ.  
Visiting Prof.)

Prof. Ferretti.

Saw

N. Shimura

Mrs. Corben

Feb. 13, Sunday Very warm <sup>also</sup> 90°F in  
the house. Went out for a walk

Feb. 14, Monday  
Sumiko has been ill, (took cold)  
Told Oppenheimer about Columbia  
University

Feb. 15, Tuesday  
Told Oppenheimer Went to Institute  
Received: Rabi Sumiko taught flower  
arrangement.  
Send: Rabi

Feb. 16, Wednesday  
Met Mrs. Leary and ask about bringing  
our sons from Japan.

Feb. 17, Thursday  
Went to Institute, In the afternoon  
went to downtown, barber, shopping,  
Colloquium, Berkaldin, Palmer Lab.

Feb. 18, Friday  
Went to Institute. Went to Palmer Lab.  
4:30 pm. Then Seminar Gemow:  
Origin of Elements and Galaxies.

Feb. 19, Saturday  
Went to Institute. In the afternoon  
Mr. Takata, Inoue, Kakentani  
came. Mr. Che and Umezawa took us to

Sent: (Rosenfeld II  
Eaton P.R. Jan 15)

At Milltown.

Received: Pack numbers of  
Prog. Theo. Phys. Tokyo  
Gelbart

Feb. 20, Sunday. Still very warm.  
Stay home all day.  
Sumiko still ill.

Feb. 21, Monday  
Went to Institute

Received: Enatsu 11th Communication  
Hakii  
~~Proger~~ Peters. (Prochester)

Feb. 22, Tuesday, Rainy  
Went to Institute.

In the afternoon, telephone call  
from Bethe. Postpone to go to  
Cornell.

4:15 pm. Seminar. A. Bohm  
talk about deuteron H.F.S. and  
Lattes about Berkeley experiment.  
Oppenheimer asked about Taketani's  
letter.

Sent: Gelbart, Peters.

Received: Sasa (Baltimore)

Feb. 23, Wednesday  
Went to Institute, went to Columbia University, met Prof. Rabi, talked about details of appointment at Columbia. In the evening went with Mrs. Yukawa to Prof. Rabi's house dinner. Came back home at 11.30 pm.

Feb. 24, Thursday  
Went to Institute. Feynman talked 1. in the afternoon on field theory.

Feb. 25, Friday  
Went to Institute. Feynman's talk. 2.

Sent: Kobayashi, 1.)  
Anakatsu } Columbia)  
Tanaka } Kyoto  
Kaya } Resignation  
Science Council

Received: Kobayashi  
Berthe  
Szaucse

Feb. 26. Saturday

Went to Institute. Feynman's talk 3.

Sent: { Carlson (Iowa State College)  
Kobayashi 2.  
Araki  
Tamura. } Columbia  
Enatsu }

Received:

Feb. 27. Sunday

~~Went to Institute~~

Stayed home all day. Caught cold a little. In the afternoon learned diving from Mrs. Bourgin.

Feb. 28. Monday

Went to Institute

Feb. 29

March 1. Tuesday

Went to Institute.

Wetton of Univ. of Penn. talked about g.e.d.

March 2, Wednesday  
started on the journey to Syracuse  
by morning train with Sumi.  
New York Central train left Grand  
Central at noon. The scenery  
outside the window was wonderful,  
magnificent Hudson river being  
always just nearby until Albany.  
Arrived Syracuse at 6.35 pm.  
Mr. and Mrs. Gelbart took us to  
Syracuse hotel and to their new  
house. The physicists and mathematicians  
of Syracuse University came assembled.

March 3, Thursday  
Mr. Gelbart took me to University, talked  
and took lunch with the mathematicians.  
In the afternoon, met Prof. Fredrickson,  
Dr. Bergmann, Sittle and other members  
of Department of Phys. Talk on meson theory at  
physics colloquium held at 4.50 pm before  
audience over 100. Took dinner at  
Italian restaurant with members of  
Dep. of Phys. Went to Fredrickson's house  
and then to Milgrom's house, where  
we met Visinsky from Cambridge.  
Played go game with Gelbart and  
Milgrom at Gelbart's house until 2 am.

March 4. Friday  
Gilbert took us to the station. Departed  
to Rochester by 9:37 am train. Arrived  
here at 11:10 am, where Prof. and Mrs.  
Marshak were waiting for us, and took  
us to Sheraton Hotel. After lunch,  
~~went to River campus of Univ. of Rochester and~~  
~~we saw, big cyclotron, which recently~~  
created mesons by bombardment of  
250 MeV proton beam. Met Prof. Collins,  
Peters, Gamow. After hearing Gamow talk  
on the origin of elements and galaxies,  
talked on meson theory. attended dinner of

March 5. Saturday. Optical Society  
of America, heard Gamow's talk at  
Science Museum. Went back to  
Sheraton Hotel.

March 5. Saturday  
Went to University of Rochester, heard  
from Dr. Weld and Dr. Spence of Eastman  
Kodak Co. about photographic plate,  
and also from <sup>nuclear</sup> saw Dr. Peters' about  
meson shower pictures ~~in the afterwards.~~

\* News paper men took our photos at Rochester  
and also at Syracuse.

At 11 am to 1 pm, talk at theoretical physics seminar about nonlocalizable field theory. Invited to Marshak's house; ~~also~~ to lunch. Took dinner at Russian restaurant. Get in 9.37 pm train to New York.

March 6, Sunday  
Arrives New York at 6.30 am.  
Came back home about 9.30 am.  
Stayed home all day. Very sleepy.

March 7, Monday  
Went to the Institute. Met Prof. von Hane, who is going to return Göttingen.  
Sent: Gelbart  
Marshak  
Darrow (A. P. S. Meeting Abstract)  
Received: Enaton (12 the <sup>letter</sup> mark)

March 8, Tuesday  
Went to Institute, downtown. At 4.15 pm seminar, Uhlenbeck talked on Ferromagnetism.  
Sent: Ogawa Iwas, (post card, book)  
Chubu Niijima  
Enaton

March 9, Wednesday  
Went to Institute. Studied Read  
Pauli's letter to Schwinger, worked  
on nonlocalizable field theory,  
particularly for the extension  
of Dirac-Feynman formalism, until  
midnight.

Sent: Rossi

Received: Kelly.

March 10, Thursday  
Went to Institute. Still can not find  
good solution for the problem of  
constructing Lagrangian formalism  
of Nonlocalizable field theory.

Sent: Darrow (Errata of Abstract  
to Washington meeting)

March 11, Friday  
Went to Institute. Considered the possibility  
of introducing imaginary mass particle in order  
to get rid of the difficulty of field theory.  
In the evening went to the party at  
Thomas's house.

Saturday, March 12.

At 10:45 seminar, Feldman on  
Pauli's letter to Schwinger.

In the afternoon went to New York.

Sumiko danced after Japan Night  
at given by New York Japanese American  
Committee for Japan relief Inc.

at Central High School of Needle Trades  
Auditorium (225 W 24 St. N.Y.C.)

Came back with Mr. and Mrs. Chye and  
Mr. Kakutani at 2:30 am.

Sunday, March 13.

Get up near noon. Still sleepy.

Monday, March 14.

Went to Institute

Received: Anaki  
Tomonaga

Tuesday, March 15.

Went to Institute, seminar. Prof. Neumann  
talked about Computer. ~~Wittenberg~~

Sent: Harumi

o Wednesday, March 16

Went to Institute, in the afternoon went to Newark, where visited Railway Express Agency, a Custom Department in Post Office Building in order to have permission of taking Swiss parcel. Afterwards went to New York, visited Transcontinental and took dinner at Miyako.

o Thursday, March 17.

Went to Institute. Headache, went to bed at 9 pm

o Friday, March 18.

Went to Institute, met Prof. Vallarta, in the afternoon went to University, Prof. Wentzel talked on polarization of vector meson at seminar.

Saturday, March 19.

Went to Frick Chemical Laboratory to the symposium on "The Theory of Relativity in Contemporary Science". Professors Oppenheimer, Rabi, Wigner, ~~Rubinson~~, ~~Weyl~~ talked. Took lunch at Princeton Inn with Prof. Wentzel, Breit, Br. and Mrs. Bargmann.

In the afternoon, the symposium continued  
beginning from transcription of Prof. Kolov's  
greeting. Prof. Robertson, Weigl  
talked.

In the evening, went to Prof. Smythe's party.  
Taxis driver lost the way and delayed  
very much. Met Rabi, Landé, Hamilton etc.

Sunday, March 20.

Fine. Stayed home all day.

Telephone: Szashmany

Sent: Watanabe

Gamow

Kusaka

Monday, March 21

Fine, warm, went to Institute

Received: Kobayashi

Ohzuka

Katsumi Tanaka

Enatsu

14 m letter

Sent: Kobayashi

Inoue

Hanumi

Tuesday, March 22  
Warm. Stopped heating from today.  
Went to Institute

Wednesday, March 23  
Went to Institute.

Sent: Araki  
Sakata  
Uyama

Received: Uyama

~~Wednesday~~ Thursday, March 24. Fine  
Very much tired. Went to Institute  
Went to Kyoto University, where Prof. Rossi  
talk at Colloquium. Went to Nassau Tavern.

Friday, March 25.

In the morning, talked with Prof. Rossi,  
Prof. Oppenheimer and other members  
of the Institute on cosmic ray problems.  
At noon went to Nassau Tavern,  
took lunch with Mr. Southmay.  
In the evening, party at Santaro's house.

Saturday 26. March

In the morning went to the Institute.

In the afternoon, learned driving from Miss Morette, and saw movie afterwards.

On the way back walked through the University campus. Went to Mr. Rado's birthday party.

Sunday 27, March <sup>alone</sup>

In the afternoon, <sup>alone</sup> drove around, on the way met with Miss Morette and her friend, and went to Carnegie lake.

Monday, March 28

Went to the Institute. In the afternoon Mrs. Loos took us to Walker Gordon Dairy to see dairy farm, and afterwards went around Carnegie Lake.

Tuesday, March 29

Went to Institute, met with Mrs. Leary and Prof. Oppenheimer, because we were so much troubled by newspaper article on Y.W.C.A. meeting.

Rohalich talk at Seminar on N-P scattering.

Wednesday, March 30

Sumi took me to the Institute by driving our car. Discussed on MasF's calculation.

In the evening, Mr. Meldan took us to Prospect Club, where we dined with his friends, afterwards Sumi danced.

Received: Miyamoto and Fukuda ( $\pi^0$ - $\gamma$ -decay)

Sent: Miyamoto and Fukuda (..)

Thursday, March 31 / Mr. Iwas came to our house

Sumi took me to the Institute.

Discussed further on  $\pi^0$ - $\gamma$ -decay and  $\tau$ - $3\pi$  decay. In the evening Sumi took me back home,

( Kobayashi, Sakata  
Received: Nakamura ( $\tau$ - $3\pi$  decay)  
Sent: Nakamura (..)

Received package from Sears Probeck

Friday, April 1.

sent: Sakata  
Kobayashi

Friday, April 1, 1949  
Went to Institute.

Saturday, April 2, 1949  
Went to Institute. Steinberger  
talked on Schiff's calculations  
on Bremsstrahlung accompanying  
meson creation.

Sunday, April 3, 1949

April 10, Sunday

Went by station wagon to Old Stone Hotel  
with Wigner, Wheeler, Christy, Dyson.  
Stayed there in the same room as Wheeler  
and Serber

April 11, Monday

1st day of Oldstone Conference

April 12, Tuesday

2nd day of Oldstone Conference

April 13, Wednesday

3rd day

April 14, Thursday

The conference ended at noon.  
Went back home by station wagon  
with Christy.

April 15, Friday

Went to Institute

April 16, Saturday

Went to Institute

April 17, Sunday

In the evening, ~~went to~~ departed to Ithaca by night Train of Teliugh Valley Railroad.

April 18, Monday

of Cornell Univ.  
Arrived Ithaca in the morning.

Went by Tax taxi to Bethe's house.

After breakfast, Bethe took me driving around the lake (Tingler Lake) and water falls. Took at new

modern physics building, talked with and lunched with Bethe, Morrison and Feynman. After lunch, looked around Synchrotron, cosmic ray research etc. Talk at the colloquium on some aspects of my own theory.

After dinner at Bethe's house, Prof. Greisen, Morrison, Feynman assembled. Came back by night train.

April 19, Tuesday

arrived New York and early in the morning, came back home.

Went to the Institute after lunch.

Vallarta talk at the seminar.

April 20, Wednesday  
Went to Columbia University, met Prof. Rabi,  
Prof. Booth took me to New Cyclotron.  
In the train on the way home, met  
with Mr. and Mrs. Serber. Prof. Oppenheimer  
took all of us to his house. Came back  
home about 10.30 p.m.

April 21, Thursday  
Went to Institute. In the afternoon,  
Serber talked at Theoretical Physics  
Seminar in the University.  
In the evening, went with Sumi to  
Nassau Elementary School for rehearsal  
of tomorrow's festival.

April 22, Friday  
Went to Institute.  
In the evening, Mrs. Chamberlin took  
us to Spring Festival of Y.W.C.A.,  
Sumi danced before the audience of  
about 400.

April 23, Saturday  
Went to Institute. At the seminar,  
Steinberger, Rohlich, Feldman  
talked.

April 24, Sunday

April 25, Monday

April 26, Tuesday

April 27, Wednesday

Dr. Case took us to Washington, D.C. by his car. Dr. Dyson, Dr. Rohrlich went with us. Crossed Delaware River by Ferry Boat. Arrived Hotel Washington about 7 o'clock p.m. Mr. Takeda took us to his house. Rev. Kusoda, Dr. Yoshioka, Mr. and Mrs. Takeshita, Mr. and Mrs. Izumi, Mr. and Mrs. Mitsuma etc. assembled. In the "New York Times", found that I was elected Foreign Associate of N.A.S.

April 28, Thursday

Went out to attend Amer. Phys. Soc. Met with Dr. Kelly, who took me to get Visa. We finally found that we needed no visa, because we had already

got 4D - Per. Res. ~~with~~ Permission.  
In the evening, he took us to Dr. O'Brien  
and then to Banquet of A.P.S. Dr. Condon  
talked.

April 29, Friday  
Attended A.P.S. session of Symposium  
on Nuclear Physics in the morning.  
In the afternoon, heard Alvarez and  
Serber on Caltech Berkeley experiments,  
In the evening, went with Dr. Kelly and  
Dr. Fox to Dr. Hezfeld's house.

April 30, Saturday.  
Attended session on Theoretical Physics.  
Mr. Watson Davis came to the hotel.  
Went to Ins National Institute of  
Health, Bethesda, Md. Looked at  
pictures of showing ~~the~~ alleged T. persons.  
Went back by 5.00 p.m. train <sup>with</sup> Weisskopf,  
Wigner and Taylor, driving from Trenton  
to Princeton.  
At 10 p.m. attend Dance Party at the  
Institute.

May 1,  
~~April 30~~, Sunday  
stay home.

April

May 2, Monday  
Mr. Gregory talk on cosmic ray experiments.

May 3, Tuesday  
Went to Institute.

May 4, Wednesday  
Went to N. Y. with Mrs. Leary and others to  
attend Lord and Taylor's Luncheon at Waldorf Astoria.

May 4, Thursday  
Went to Institute.

May 5, Friday, Very hot, above 90° F  
Went shopping in the afternoon.

May 6, Saturday  
Dr. Gelbart called on us. Went to Bourgeois  
~~in~~ after dinner.

May 7, Sunday  
Stayed home.

June 15 ~ 17 : Boston - Yatsushashi  
American Physical Society, Harvard.  
50-Anniversary - Message

June 21 ~ 24  
Denver - Idaho Springs  
Cosmic Ray Symposium  
Remarks on Neutron Decay

June 25 ~ 27  
Salt Lake City - University of Utah  
Neutron Theory

June 28 ~ July 5  
San Francisco - Berkeley  
Non-local field theory

July 19  
New York - Rabi

July 20 ~ 23 Michigan Union  
Univ. Mich., Ann Arbor  
Summer Symposium  
Non-local field theory  
Michigan State College  
Wada, Kikuchi

かの山はカートキルと見ゆるかす  
ハドソン河は海に流れる  
インディアナオウング人は信じて  
岨にツル。岸の夕波  
ハドソンの川に中れし 今と昔  
人岸にきて網を投げ打つ  
ハドソンを上りゆく船、古のせて、新さゆかき  
ロバート・ワイルド 舟、き船、新は古めかし

8~~th~~ Aug. 29, 1949

Moved in New York City, staying at Professor Rabi's house (450 Riverside Drive, New York 27, N. Y.), while he is in Europe and Mrs. Rabi and two daughters are in vacation.

Aug. Sept. 1 Prof. Nakaya

Sept. 2 Prof. Tomonaga and Kodaira

Sept. 7, Moved to new apartment (Apt. 54, 501 W 121 St., New York 27, N. Y.)

Sept. 8. Went to Bronx High School of Science ( Eighth Ave Subway 182-183 St. )

Sept. 12. High School begins.

Nov. 1., 1949

International News Service & Photo

Nov. 2. 1949

Reporters, Photographers

Prof. Rabi

Nov. 3. 1949

Reporters

Interview

Noon.

Nobel Prize

Announcement

2 p.m.

President Eisenhower

3 p.m.

Television

N. B. C.

Ben Gruber

Nov. 4. 1949

Telegrams

Telephones

Nov. 5 1949

Nov. 18 Friday  
8.30 p.m. NBC Radio - Television  
"We - the People"  
International Theatre

Nov. 19 Saturday  
Faculty Tea Women's Faculty  
Club.  
Dr. Kusch

~~Nov. 20 Sunday~~  
~~"Miyako" 1.30 p.m. Dr. John Dewey~~  
~~下町会館 Lecture 4.00 p.m.~~  
~~Reception~~

~~Nov. 21 Monday~~  
~~Provost & Grayson L. Kirk~~  
~~Dinner.~~  
~~Discussions Dunning, Rabi, Kusch~~  
~~Yukawa etc.~~

Schedule in Sweden

Dec. 8, Thursday

Arrived by S. A. S. in Stockholm Zeit...

Westgren, vonberg, Mrs. Riber,  
瀬崎晴夫, 西崎隆夫, 山中三郎, 石井文雄.

Dec. 9, Friday

1 p.m. Swedish-Japanese Association

7 p.m. Dinner Westgren

Dec. 10, Saturday

4 p.m. Ceremony, Concert Hall  
(not later than 3.50 p.m.)

6.30 p.m. City Hall Dinner

Blue Hall: procession of students

Dec. 11, Sunday  
Excursion

Dinner, Siegbahn

(M)  
Dec. 12, 10:12 a.m. Nobel Foundation  
exchange of the assignation against  
a bank cheque.

9.30 am Hultshen  
University (Tech. Hochschule)  
"Some Problems of Field Theory"

2. pm  
(14.00) Nobel Lecture (Tekniska Högskolan)  
"Meson Theory in its Developments"

Dec. 13. (Tu)

10.40 a.m.

Uppsala

8.00 p.m.

Pivcia dinner

Dec. 14. (Wed)

morning

British embassy, shopping

afternoon

bank, Falkman

evening

sezaki

Dec. 15 (Thurs)

9.10 a.m.

air plane to Copenhagen

○ 湯川博士の来日  
あすの午つぎに13時41分に着く。

### Diary

Dec. 7.

Started from Idlewild Airport in N.Y.  
by S. A. S.

Dec. 8.

arrived Stockholm near 6 p.m.

Dinner with Japanese many cameramen  
Press Conference, 16 reporters and also

Dec. 9.

got up at 9,30 p.m. Newspaper reporters  
and cameramen again. Dr. Siegbahn.

Luncheon party by Swedish Japanese  
Association.

President Admiral de Champ

Dr. Sven Medin

dinner at Dr. Wenner's house

Dec. 10. Sunday Saturday

Ceremony.

Sight

Banquet

○ 湯川博士の来日  
13時41分に着く。

○ 湯川博士の来日  
湯川博士の来日  
湯川博士の来日

Dec. 11 Sunday  
night seeing

Mr. and Mrs. Falkman

Dec. 12 Monday

10 a.m. Lecture at Royal Tech College  
"Some Problems of Field Theory"

12 p.m. Nobel lecture, Auditorium of  
Royal Tech College (over 500 audience)  
"Mass Theory in its Developments"

4 p.m. Broadcasting

7:30 p.m. Royal Palace

Dec. 13, Tuesday

7:20 Lucia Girls

11:05 am train to Uppsala 4 p.m.

lunch at Wallers, lecture University

8 p.m. Lucia Dinner at Stockholm  
University

Dec. 14, Wednesday

shopping in Stockholm in the morning

Tea at Falkman's house,

Dinner at Sezawa's house.

Dec. 15. Thursday Stockholm-Copenhagen  
Departed from Bromma air port at 9.10  
a.m. by SAS. Arrived Copenhagen  
11 a.m. Dr. C. Moller take us by his  
car to Hotel d'Angleterre.

In the afternoon, went to Institute for  
Theoretical Physics and met Prof. N. Bohr.  
In the evening went through the shopping street.

Dec. 16. Friday. Copenhagen  
In the afternoon went to the Institute  
and talked about Nonlocal Field  
Theory.

At night invited to Prof. Bohr's house.

Dec. 17. Saturday. Copenhagen  
In the morning, Mrs. Anderson,  
only one of only two women in Copenhagen,  
came to see us.

In the afternoon, went to the Institute  
to talk with Dr. Nielsen and Bloch.

At night went to Dr. Moller's dinner.

Dec. 18. Sunday Copenhagen-Paris  
Proca, Wheeler, LePouquet Air Port  
Go around Paris by Wheeler's Car  
Hôtel du Louvre.

↓  
Louvre?

Dec. 19. Monday Paris

(Oketani, Ogiso, Yuasa, Proca, ...)

Lunch at Botanya (Takata, Kojima)

Dinner at Wheeler's House

Dec. 20, Tuesday, Paris

Shopping in the morning.

In the afternoon:

Collège de France: Yuasa, Joliot

Curie - Joliot

Henri Poincaré Institut:

Lecture on Non-local Field Theory

Dinner: Lepinme - Ringnet's house

~~Party~~: Proca, F. Perrin etc.

Dec. 21. Wednesday, Versailles

Went to Versailles Palace by Morita's car with Takata.

Lunch at Morita's house

Cercle Polytechnique: Lepinme  
Ringnet, L. de Broglie

Dec. 22. Thursday, Paris - London

Thick Fog in the morning.

See off: Takata, Proca.

Airplane could not start for London from Le Bourget.

Came back to Hotel du Louvre again

Schedule in Denmark,  
Paris France and England

Dec. 15. (Thursday) Copenhagen

Dec. 16. (Friday) Copenhagen

Dec. 17. (Saturday) Copenhagen

Dec. 18 (Sunday) Copenhagen - Paris

Dec. 19 (Monday) Paris

Dec. 20 (Tuesday) Paris

Dec. 21 (Wednesday) Paris

Dec. 22 (Thursday) Paris - London  
Paris

Dec. 23 (Friday) London Paris - London  
Cambridge

Dec. 24. (Saturday) ~~London~~ Bristol London

Dec. 25 (Sunday) <sup>morning: London -</sup> Bristol - Edinburgh  
London

Dec. 26 (Monday) Bristol  
Edinburgh London - Bristol

~~Edinburgh - Glasgow -~~  
Dec. 27 (Tuesday) Bristol - London  
Glasgow - New York  
London - Edinburgh

Dec. 28 Edinburgh - Glasgow

Dec. 29 New York

ワイルドイロイロ Dec. 21 1989

- ① 1 ワイルドイロ 木立の池を 目録のはた  
に流し 今の世
- ② 2 木立の噴水 崩れ 並ぶ立っ 石の神は ずい  
ずいのいわす
- ③ 3 歩みきて ぶつとに 行つ 馬車に乗 馬蹄の  
心びき ~~馬車~~ 馬車 馬車
- ④ 4 トリヤン しびる 柳 並ぶ 水の 王妃の  
率 率の 率
- ⑤ 5 そのかみの 王妃 今の人 絶たす 鏡空しく  
うつす 鏡空
- ⑥ 6 王妃 今 王妃 今 王妃 今 王妃 今 王妃 今  
王妃 今 王妃 今 王妃 今 王妃 今 王妃 今
- ⑦ 7 太陽は 王妃 今 王妃 今 王妃 今 王妃 今 王妃 今  
王妃 今 王妃 今 王妃 今 王妃 今 王妃 今

ストックホルム Dec. 8 ~ Dec. 14

- ① 1 思ひきや 王妃 今 王妃 今 王妃 今 王妃 今 王妃 今  
王妃 今 王妃 今 王妃 今 王妃 今 王妃 今
- ② 2 ストックホルム "ランド" ボートの 次を 静か  
馬蹄 心びき 静か
- ③ 3 北国の 王妃 今 王妃 今 王妃 今 王妃 今 王妃 今  
王妃 今 王妃 今 王妃 今 王妃 今 王妃 今
- ④ 4 王妃 今 王妃 今 王妃 今 王妃 今 王妃 今 王妃 今  
王妃 今 王妃 今 王妃 今 王妃 今 王妃 今
- ⑤ 5 王妃 今 王妃 今 王妃 今 王妃 今 王妃 今 王妃 今  
王妃 今 王妃 今 王妃 今 王妃 今 王妃 今
- ⑥ 6 ここに 王妃 今 王妃 今 王妃 今 王妃 今 王妃 今 王妃 今  
王妃 今 王妃 今 王妃 今 王妃 今 王妃 今
- ⑦ 7 王妃 今  
王妃 今 王妃 今 王妃 今 王妃 今 王妃 今



Dec. 23. Friday Paris - London

Fog is not so dense as yesterday.  
Mr. Takata took care of all the  
arrangements for travel to London  
by train and boat through Calé-Dore  
started from Paris railroad station

12.20 p.m.

Arrived Victoria station in London at  
7 p.m. Many Japanese came to see us. Stayed at  
Grosvenor House, Park Lane,

Dec. 24. Saturday London

Mr. Fukui took us to Thomas Cook  
& Co, Sead. Airline Office.

London Tower

St. Paul's Cathedral

Westminster Abbey

Parliament

In the evening, broadcasting at BBC  
to Japan.

ロンドン 城

- ① テームス川に霧をこのてえり立つ  
タワーブリックの 幻のごと
- ④ 血に染みし革命の年々を記し、神話の如く  
供する 老翁の物語の如くかき
- ③ 薄光り 固ゆれ人の 壁の上にて刻しめ文字  
何れ何れつがせくかき (徳文と)
- ② 赤十字の黒マント纏て 今も昔も 古蹟の門扉を  
人は立つはり守り人あり

見みしアベイの壁に所は 雷と瓦木がう。

ウエストミンスター・アベイ

- ① 風雪の織り出し (14) 世に白鷺の 古きアベイの  
壁の 繪模本 4人
- ② 夢 古きアベイに入れば 数知れず 玉に踏きし人  
並べて 眠る
- ③ 下下しく北のフアラー・ケルビン・ラザフォード  
ニュートンの 像を以て 葬らうてあり
- ④ 幽霊の 僧院に 是に記ありは コーラスの  
聲 高く 響く

s04-08-24 快送

Dec. 25, 1949

Mr. Fukui took us to by bus to  
Eton High School, Windsor Castle.  
From 3.30 p.m. reception at Budokan  
by Japanese in London  
Christmas dinner at Fukui's house

Dec. 26, 1949

In the morning, visited British  
Museum and National Gallery.  
4.30 p.m. started from Paddington  
Dec. Station for Bristol

Arrived 9.40 p.m. and met Prof. C.F.  
Powell.

Stayed at Brights Hotel, Bristol  
(Edmund Road, Clifton, Bristol 8)

法則の多岐にわたる

法則の人間性にかんして

人間性の問題。人間性の科学的側面について。

人間の論理の法則は一定の法則的性質を有している。

人間理性の発展の歴史をたどる。これにより

世に知られた人間の法則の問題を明らかにする。

人間性の法則。法則的環境との関係。

法則の問題。これにより法則的環境

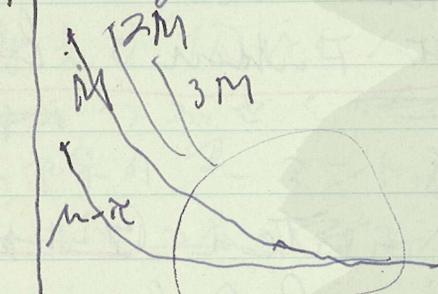
法則環境の可能性の問題へと進展してゆく

のである。

Dec. 27, 1949      Bristol - London

In the morning, Dr. C. F. Powell came to the hotel and took us to the H. H. Wills Physical Laboratory. Bristol 2.48 p.m.

(i) ionization

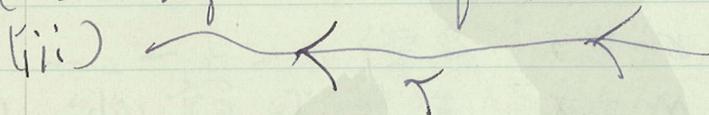


~ London  
~ Edinburgh

few hundred meV scattering (average deflection)



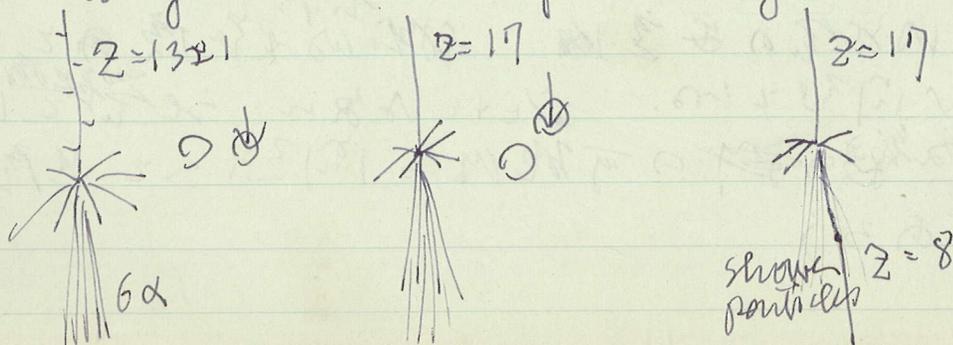
(ii) 85%  $\pi$ -mesons, in showers  
 magnetic deflection  $> 33,000$  gauss



soft shower: pair creation by electrons?

(iv) no further evidence for  $\pi$ -meson (less than a few %)

(v) heavy nuclei as primary



s04-08-24挟込

Stockholm  
Westberg  
Westgren  
Siegbahn  
Ekeberg  
o Falkman  
Uppsala  
Waller

Sezaki  
Riber

Kopenhagen  
Prohr  
Moller

Paris  
Proca  
Leprince Ringuet  
Lusard  
Wheeler  
Takata  
Decroix  
Kijima  
Lignon  
Morita  
Ynasa  
Oketani

(Room 216)  
Printing House Square  
London Avenue, London, (S.W.3)  
The Times, London  
1027 Nell Gwynne House, Sloane  
F. Fukui  
Ito  
Koizumi

Mistral  
C. F. Powell

Edinburgh  
Brown

New York  
Kobayashi  
Okada

	Food	Wine	Cigarettes	Transp.	Hotel	Service
New York	B	B	A	A <small>taxi</small>	<del>B</del> (A)	(D)
Stockholm	A	<del>B</del> A	B	A (B) <small>air railroad</small>	<del>A</del>	(D)
Copenhagen	<del>B</del> A	B	B	A	B	
Paris	A	A	C	B	B	
London	C	B	A	A	A	

	<small>housing</small>	<small>clothing</small>	<small>climate</small> <small>- scenery</small>	<small>Humanity</small>
N. Y.	A	A	C-C	A (D)
St.	A	A	A-B	<del>A</del> (D)
Cop.	A	B	A-B	B
Paris	B	A	<del>A</del> A-A	B
London	A	B	A-B	B
<hr/>				
Tokyo	C	C	B-C	B
Kyoto	B-C	B	<del>B</del> -A	B

Dec. 28.

Arrived in Edinburgh from London early  
in the morning. <sup>Stayed</sup> North British Hotel,  
Prof. M. Born came to the hotel, took me to  
University of Edinburgh, where we  
met Principal Appleton, Dr. C. T. R.  
Wilson and Dr. Feather. Invited  
for lunch at Borns house.

Departed for Glasgow at 5 p.m.  
Arrived Prestwick airport by bus  
from Glasgow. Airplane delayed.

Dec. 29

Airplane of Scandinavian Airline started  
Prestwick about 1 a.m. Went flew through  
Iceland, Gander, arrived New York  
3.30 p.m. From Harumi,  
Takaaki, Okada, Kobayashi, Ota,  
Takamatsu, Tomonaga came to the  
air Idlewild airport. Car came to  
home in the evening.