1930-1946

RESEARCH — Academic Procedures

MORSE, MARSTON — Biographical

PHYSICS — Academic Activities

Basic research not unique in 1930, Morse said.

Since was have flooded the carburetor--little basic, much applied research.

Morse Interview, 6/21/56, p. 13, 19 14

1930

PRINCETON UNIVERSITY — Relations ~~with~~ Edu. Institutions

PHYSICS — Academic Activities

MATHEMATICS

SHENSTONE, ALLEN — Biographical

VEBLEN, O.

EISENHART

Interview with Professor Allen Shenstone, May 23, 1956.

Filed in Vertical file under Shenstone Interviews.

Interview with Professor Shenstone, 5/23/56

1934

7/4
7/11

PHYSICS — Academic Activities

SCHROEDINGER, ERWIN (1887) — Biographical

EISENHART

FLEXNER, A.

Schroedinger left University of Berlin when Hitler came to power. Was fellow at Oxford, 1933, but came to lecture in physics at Princeton for several weeks, spring semester, 1934. Refused an offer from Princeton, evidently thinking he was going to get an offer from I. A. S. (why? Einstein or Veblen?). Worked with Einstein while here. Minutes (4/23/34). Flexner had to placate Eisenhart. Shroedinger did not come to Princeton. International Who's Who lists no connection 1933-6; 1936-38. University of Graz, 1930--Dublin Institute for Advanced Studies.

II-17

1940 3/23

ROCKEFELLER FOUNDATION — Foundations

THEORETICAL PHYSICS — Academic Activities

VEBLEN, O. — BIOGRAPHICAL

AYDELOTTE, F.

Veblen to Aydelotte on Atomic fission and theoretical physics program.

Filed in Chronological file under 1940, 3/23.

V-3

PHYSICS — Academic Activities

BOHR, NIELS — Biographical

PAULI, WOLFGANG

SYMTHE, HENRY

AYDELOTTE, F.

Excerpt from Aydelotte's proposed report to the Trustees which was never given.

He reminded the Board that in his report in April, 1940, he announced a grant from the Rockefeller Foundation for visiting professorships for Niels Bohr and Wolfgang Pauli, and commented on the possible value of collaboration of these two men with Einstein and von Neumann on the theoretical aspects of the uranium problem. He recalled that Bohr could not leave Denmark, but Pauli came to the Institute and was still there in 1944. Bohr later came to England, and Aydelotte saw him twice in November, 1943. Borh was at the time of the writing

of the report in the United States and has visited the Institute at Princeton, and would like to come, but is not certain whether or not he can.

"Meanwhile since 1940 the Governments of the United States, England and Germany have spent hundreds of millions of dollars for scientific research on uranium. Some of the members of the Physics Department of Princeton University, notably Professor Smythe, have had an important share in this work. I still cherish the ambition of bringing together here a group of eminent scholars who may after the war is over make a significant contribution to it. It may well be the most important problem, both theoretical and practical, in mathematical physics of this century."

A (Attic) File, Report of the Director, October, 1944

1944 10/11

MATHEMATICS Academic Activities

PHYSICS

HONORS Academic Personnel

Still no Nobel Prize in Mathematics awarded.

A (Attic) Report of the Director, October, 1944

3/5
2/2

1945

SCHOOL OF MATHEMATICS — Academic Organization

THEORETICAL PHYSICS — Academic Activities

OPPENHEIMER, R. — Biographical

PAULI

Report of School of Mathematics (Weyl) on them as professors--Important. Presented at School of Mathematics Faculty meeting February 2, 1945.

Directed by

for Particulars -

V-6

1945 4/28

SCHOOL OF MATHEMATICS — Academic Organization

THEORETICAL PHYSICS — Academic Activities

PRINCETON UNIVERSITY — Relations WOAI

SMYTH, HENRY D. — Biographical

VON NEUMANN, JOHN

Tentatively discussed suggestion of Smyth and von Neumann that Professor Enrico Fermi be offered a chair in Theoretical Physics under the joint auspices of the Institute and University with the understanding that his salary would be paid by the Institute and that laboratory facilities would be furnished him by the University. Aydelotte present questioned whether School of Mathematics might care to delay its nominations of Pauli and Siegel for consideration of the Fermi matter, but the School of Mathematics decided to push the two nominations and at the same time explore the Fermi proposal.

Minutes, School of Mathematics, 4/28/45.

1945 6/2

FERMI

Biographical

SCHOOL OF MATHEMATICS Academic Organization

EXPERIMENTAL PHYSICS Academic Activities

Copy from Mathematics Faculty Minutes, 1935-52, book in Director's Office.

THE INSTITUTE FOR ADVANCED STUDY

Minutes of a meeting of the professors of the School of Mathematics with Dr. Aydelotte June 2, 1945

Present: Dr. Aydelotte, and Profs. Einstein, Morse, von Neumann, Veblen, Weyl and Alexander, Secretary.

Meeting called to discuss to what extent the Institute should become involved in questions involving Experimental Physics.

Von Neumann: In all probability, Fermi and Oppenheimer will soon be leaving full-time war work. Doubtful whether they will return to former university posts. Oppenheimer reported not happy in Berkeley and considering offer from Harvard, and according to Rabi also offer from Columbia. Fermi is still attached to Columbia but very seriously considering offer from

Chicago.

Aydelotte: Smyth thinks U. S. Government will continue to support experimental work generously. Should work be done in U. S. Government laboratories or at picked universities? Aydelotte and Smyth suggest Government laboratories, with scientists from universities working on leave of absence.

Einstein: Fears that emphasis on such projects will further ideas of "preventive" wars.

Morse: Doubts whether scientists will ever be able to run such projects.

Aydelotte: Points out that Government will probably insist on some "classification" for such projects.

How secret will they be?

Von Neumann: Government may subsidize some experimental and theoretical work in physics on a straight scientific basis.

It might maintain regional laboratories, each serving a group of universities.

Veblen calls attention to expenses for engineering which will put much work beyond means of private universities, hence the necessity for regional laboratories. In view of these laboratories, the Institute could afford to go in for physics on a grander scale than previously contemplated. In future, private funds may be insufficient to provide for scientific research. Congress may vote large appropriations and leave detailed allocation of funds to universities in hands of scientific committee.

Von Neumann: In future, Government may play the role of the great foundations. May see the need for independent research in addition to strictly military projects.

Einstein: Insists on importance of independence and emphasizes dangers of secret war work.

Von Neumann and Morse: If we had a man like Fermi on our faculty we would stand a better chance of getting a share of appropriations.

Morse: How far will Princeton University gamble on a joint project to get Fermi?

VON Neumann: Smyth says Physics Department approves offering laboratories and that approval of Dodds is expected.

Einstein: This means that the Institute would pay the salary and that the University would get the man. Precedent might develop into a common practice on part of University.

Veblen: Many University supporters might complain that the University was providing the equipment for the benefit of a man belonging essentially to the Institute.

Von Neumann: Impossible for Princeton to match the salary ceilings of Chicago, Columbia, etc. If we make arrangement with University we should impose condition that Fermi do research work only.

Morse: The Government is inclined to let contracts to ed/ establish/institutions that have organization and equipment,

rather than to start entirely new undertakings. Fermi question should be considered from the general point of view, taking all possible eventualities into consideration (i.e. whether or not we get Government funds).

Veblen: Situation analogous to that when we set up Mathematics group at Institute, building on group already at University. At the University we now have a nucleus consisting of Wigner and Wheeler. By building around these men we might try to obtain leadership in this area.

Aydelotte: Are we on the verge of great new discoveries in physics, or is it merely a question of engineering applications?

Weyl: It is never possible to guarantee such a thing in advance, but further progress in atomic physics certainly requires great apparatus which is best obtained in the manner discussed.

Einstein: Agrees with Weyl that such a procedure will probably lead to important scientific progress. He considers it desirable. However, we must keep in mind not to spend our energy on engineering applications.

Veblen: Mount Wilson is a great engineering establishment, yet it serves the purposes of pure scientists such as Russell, etc.

Aydelotte: We don't know what prospects are for the future. At present most Government projects seem to be of a purely engineering character.

Morse: Our first consideration should be to get good men, but good men are liable to gravitate to points where funds are available. On the other hand, it would be dangerous to engage on a program that would make us dependent on continuing Government support.

Veblen: There is a good chance Trustees would be interested in plan. They may even get too much interested, to the detriment of other things.

Von Neumann raises question of automatic computation machines. There may be opportunity for us to take on directing role.

Veblen: Fluid mechanics. There is a proposal to have a panel on this subject, no doubt with military support. Work has been done for Army in this field by Bleakney and Harvey at Princeton. Problems of mathematical interest are involved.

James W. Alexander

Secretary

1945 9/17

PARTICIPATION IN ADMINISTRATION — Academic Personnel

SCHOOL OF MATHEMATICS — Academic Organization

GENERAL — Government Relations

VON NEUMANN, JOHN — Biographical

E. C. P. — Academic Activities

APPLIED MATHEMATICS

For memo on above headings see Chronological File under 1945, 9/17, or any one of the first 4 headings.

Faculty Minutes, 9/17/45

1945 9/26

SCHOOL OF MATHEMATICS — Academic Organization

APPLIED MATHEMATICS — Academic Activities

VON NEUMANN, JOHN — Biographical

Masani (member 1946-48) suggested by von Neumann for membership 1945-46 but voted down stipend and directed no future commitments to him be made. E. C. P.? Navy contract?

School of Mathematics Faculty ((~~Minutes~~?))

1946-1948

SCHOOL OF MATHEMATICS — Academic Organization

THEORETICAL PHYSICS — Academic Activities

E. C. P.

Memorandum Dyson to Chandra Sekhar, October 20, 1954.

"School of Mathematics has a permanent establishment which is divided into three groups, one consisting of pure mathematics, one consisting of theoretical physicists, and one consisting of Professor von Neumann. Von Neumann originatedin 1946 and has since directed our computer project. The computer project built and operates a fast digital computer, the cost of the machine and of almost all of the staff being paid by government money and not by the Institute. Rather by accident it has turned out that the most active users of the machine have been meteoroligists...Under the leadership of Dr. Charney, have set themselves a task of understanding the theoretical basis of meteorology by solving numerically various forms of the hydro-dynamical equations of the atmosphere and comparing the results with observation.

They have had a good deal of success in making short-ranged (2½ hours) weather predictions by these methods, as a consequence of which the Government is very willing to pour money into the project. Von Neumann and Charney are anxious not to get too deeply involved with practical applications, in order to concentrate on the more difficult problems of understanding large-scale and long-range atmospheric motions... The meteorologists would prefer to be on the Institute establishment on the same footing as the physicists and mathematicians in order to be free of any sort of obligation to produce useful results on a short-term basis..."

/Purpose of the Institute is to carry on long-term academic research in a scholarly atmosphere. The original purpose of the computer project was to be the nucleus for a group of applied mathematicians who would use the machine for research of this kind, either for investigating physical problems or for developing the mathematical theory of complex non-linear systems of equations. The question is now, whether meteorology is an appropriate subject for the Institute

to support in a major and permanent way, and if not, whether there are other branches of applied mathematics which would be more appropriate.

Questions posed:

(1) To incorporate the existing meteorogy grou p into permanent Institute organization,

(2) To extricate the Institute from direct support of the computer and let the government run it as a practical and meteorological project,

(3) To let the meteorologists go elsewhere and keep the computer for the Institute in the hope of establishing a school of fundamental research in some other branch of applied mathematics.

Dyson asks for advice.

D, E. C. P., Considerations, Future of

1946 10/14

SCHOOL OF MATHEMATICS — Academic Organization

THEORETICAL PHYSICS — Academic Activities

OPPENHEIMER, R. — Biographical

9/26/45 10/8

Faculty approved Oppenheimer's nomination for chair in theoretical physics September 26, 1945.

On October 8, 1946, the faculty considered again appointments in the field of theoretical physics, hopefully to be shared by the University. The matter was deferred until the next meeting, October 14 when Aydelotte brought it up as the main business. A new appointment in theoretical physics was needed. The gist of the discussion was that the two leading men among the young theoretical hysicists were Richard Feynman and Julian Schwinger. Feynman was invited asmember some months ago, but had just taken on a position as Assistant or Associate Professor at Cornell and did not come because he must devote himself to his new duties. Schwinger was Associate Professor at Harvard, and has been asked to a full professorship at Columbia. Schwinger was decided to be the stronger candidate.

Aydelotte raised the question of bringing distinguished theoretical physicists from other parts of the world to Princeton for periodic terms of service; for example, one term every two years. He suggested Niels Bohr, Dirac, Pauli, H. A. Kramers, I.I. Rabi, and Schroedinger, the latter two added by the faculty.

Veblen recalled that Flexner had entered into such an arrangement with Dirac some years ago, but that this had lapsed during the war.

Aydelotte reminded the group that Oppenheimer had been approved by both the School of Mathematics and the faculty as a whole, so that it would be perfectly proper for him to bring it up at this week's meeting of the Trustees. Sentiment was that it would be better first of all to settle the question about the appointment of a younger man. Oppenheimer regarded as a first-rate candidate, but some question about political activity.

It was felt that the appointment of a younger man is more important than a rotating arrangement with a visiting group of distinguished men, and Aydelotte said that the two things were

by no means mutually exclusive.

Veblen as Secretary and von Neumann reported informally about a conference which they had had with Harry Smyth about the possibility of a joint offer to one of the young theoretical physicists by the Institute and the University, a term at each place. . Smyth said the University could hardly go about $6000 a year for a full appointment. This would mean $4000 from the University and $4000 from the Institute. Veblen interposed his own note that it would be perfectly in order to enter into an arrangement with Feynman without delay and negotiate with Schwinger for a full professorship.

This shows strong cross currents. A anxious to get rid of R.O. as prospective Director – V. (again) aware of Strauss' intentions but bound to save R.O. for directorship, yet without an despoiling him.

Minutes, School of Mathematics, 10/14/46

1946 11/29

SCHOOL OF MATHEMATICS — Academic Organization

THEORETICAL PHYSICS — Academic Activities

DIRAC — Biographical

FEYNMAN

The Executive Committee authorized a joint arrangement with the University by which Richard Feynman would be appointed a permanent member of the Institute and an Associate Professor in the University at $7,000. Aydelotte will make no approach to this until he is approached by the University authorities.

The Mathematics Faculty decided Direc would make an excellent permanent professor. Expressed to von Neumann he would be interested in a temporary appointment.

Minutes, School of Mathematics, 11/29/46

1947-1950

APPLIED PHYSICS (MATHEMATICS) — Academic Activities

VON NEUMANN, JOHN — Biographical

See Director's file on von Neumann for a number of clippings on ENIAC and on the ECP at the Institute.

D File, von Neumann, John

1947 4/18

PARTICIPATION IN ADMINISTRATION (Pages 1-3)	Academic Personnel
MEMBERS (PERMANENT) (Page 4, Pages 12 & 13)	
BUILDINGS AND GROUNDS (Page 10)	Facilities
LIBRARY (Page 5)	
PRINCETON UNIVERSITY (Page 5)	Relations WOAI
APPLIED SCIENCE (Page 6)	Academic Activities
ORIENTAL STUDIES (Pages 7-9)	
LECTURES (Pages 9 & 10)	Academic Procedures
STIPENDS (Page 13)	Academic Personnel
GENERAL (Page 11)	Public Relations
TAXATION (INheritance State)	Government Relations

Report of the Director to the Trustees, April 18, 1947.
Filed under Chronological File 1947, 4/18 and next five headings.
Trustees' Minutes, Report of the Director, April 18, 1947,
Appendix I

1947

6/5

APPLIED PHYSICS (MATHEMATICS) — Academic Activities

POLICIES — Administration

VON NEUMANN, JOHN — Biographical

Aydelotte to von Neumann, June 5, 1947.

He is worried about the tea service in the electronic computer building, and has received complaints from the people in Fuld Hall that the ECP people get more than they are due in rationed sugar.

In this letter he also raises a question as to Soutar's requisition of salt tablets which he thinks are not necessary for the ECP people if they are not required by the Fuld Hall people.

D File, von Neumann, John

APPLIED PHYSICS (MATHEMATICS) Academic Activities

POLICIES Administration

AYDELOTTE, F. Biographical

Aydelotte to von Neumann, June 10, 1947.

He has just approved requisitions for salt tablets, electric fans and the loan to Soutar with some misgivings in each case. He asks von Neumann to say to Soutar that we still consider him on trial and that we do not assure him of his position beyond December 31, 1947. He intimates that this is pursuant to a conversation they have had.

"I am still a little disturbed about the whole question of order and discipline in the computer project and am afraid that the atmosphere is a little bit injured by its proximity to the Institute. Insofar as the computer project partakes as you say of the nature of an industrial operation it should, of course, be run on industrial lines. Insofar as it is a research project the methods of the Institute are applicable. I can see the difficulties which you face in assimilating these two points of view.

"I am wondering whether it might not save money and increase the effectiveness of the project if you had some kind of an executive director with enough intelligence and human understanding to reconcile these two methods of work and with enough authority to say what could and could not be done. It occurs to me that such a man might take over Soutar's functions at the same time so that you would really not be adding a new member to your staff. A man who combines scientific knowledge with practical ability like Holbrooke MacNeille would be ideal for the purpose though it probably should be a younger man than MacNeille who would not need so high a salary. I should be grateful if you would think about this and come in to discuss it with me at your convenience."

D File, von Neumann, John

1947 9/23

SCHOOL OF MATHEMATICS — Academic Organization

THEORETICAL PHYSICS — Academic Activities

OPPENHEIMER, R. — Biographical

Oppenheimer reported that he had asked Niels Bohr for the second semester 1947-48 at $8,000 after conference with Maass and Leidesdorf. He had offered memberships in the Institute without stipend to Drs. Egil A. Hylleraas and Nicolas G. van Kampen, physicists. He recommended membership for Hideki Yukawa and Pauli for 1948-49. Approved.

It was understood that the salaries for the above-named physicists are to be outside of the Stipend Fund, and to be determined by the Director and the Trustees. Oppenheimer recommended a policy on salaries of visiting professors: those who could appropriately be considered for permanent appointments to the Institute as professors should have their salaries decided to be essentially the same as those salaries of the faculty.

Minutes, School of Mathematics, 9/23/47

/APPLIED MATHEMATICS Academic Activities

ELECTRONIC COMPUTER PROJECT

OPPENHEIMER, R. Biographical

AYDELOTTE, F.

Oppenheimer corrects Aydelotte's report on the E. C. P. as an instance of applied mathematics by saying that the project was primarily "a developmental job in pure science and not a facility."

Trustees' Minutes, October 9, 1947

1948 2/4

SCHOOL OF MATHEMATICS — Academic Organization

THEORETICAL PHYSICS — Academic Activities

OPPENHEIMER, R. — Biographical

EINSTEIN, A.

VON NEUMANN

Oppenheimer suggested that a Committee on Physics of the School of Mathematics be appointed, and the mathematics faculty approved. Einstein and von Neumann were appointed to act with Oppenheimer, and the Committee would act with the same authority as the School of Mathematics.

Minutes, School of Mathematics, 2/4/48

~~1940~~
1950

PHYSICS — Academic Activities

EINSTEIN, A. — Biographical

MAASS, H. H.

OPPENHEIMER, R.

PUBLIC RELATIONS GENERAL — Public Relations

Maass to Oppenheimer noting in surprise that the press during the last week of 1949 in articles and photographs relating to Einstein's new theory it was mentioned but infrequently that he was connected with the Institute and referred mostly to Princeton University.

Maass added, "I assume all of this was done without consultation with you, but I hope you agree that the Institute should have had a greater and predominant share in the publicity.

No answer from Oppenheimer in file.

D, Maass, 1947-

SCHOOL OF MATHEMATICS — Academic Organization

LIBRARY — Facilities

MEMBERS (LONG-TERM) — Academic Personnel

THEORETICAL PHYSICS — Academic Activities

Oppenheimer reported on the problem of enlarged library, saying that he thought all the rooms on the second floor should be used on an increasing basis, anticipating that the whole of the floor will eventually be used for the library. He suggested the possibility of placing a balcony around the main library room so that shelves out of reach could be used. The Library Committee has suggested a new library building, but Oppenheimer's plan seems to be elastic and inexpensive.

Oppenheimer reported on long-term appointments in physics, and Yang and Placzek were ~~appointed~~ recommended for appointment for five years each with stipends at $5,500 and $9,000 respectively.

Richard Feynman and Julian Schwinger were approved for appointment as professors. Morse said the question of appointing

Gödel a full professor, and there was no dissent, but no action taken.

Recommended that Neugebauer be given a five-year appointment with stipend at $5,000 a semester for one semester each year. Recommendation to be presented to the faculty.

School of Mathematics

Minutes,/February 8, 1950

1950 11/14

PARTICIPATION IN ADMINISTRATION — Academic Personnel

MEMBERS

SCHOOL OF MATHEMATICS — Academic Organization

APPLIED MATHEMATICS — Academic Activities

BIGELOW, J. H. — Biographical

GOLDSTEIN, H. H.

The Director asked the Faculty to vote on permanent memberships for Bigelow and Goldstein of the E. C. P. The project, though an exception in the Institute, could not be run with transient members; annual cost to be $8500 each, at present covered by Government contracts. "Should the Project be discontinued, however, the Institute would have definite commitments in both appointments. Von Neumann briefly reviewed the careers and present work of both nominees. In general discussion both men were highly recommended by members of the Faculty. Approved by unanimous vote.

Faculty Minutes, 11/14/50

1953

2/13
4/2

PARTICIPATION IN ADMINISTRATION — Academic Personnel

SCHOOL OF MATHEMATICS — Academic Organization

✓METEOROLOGY — Academic Activities

At the first meeting noted above, von Neumann indicated his long-term interest in meteorology.

At the second meeting noted above, the Director announced that it would be further discussed, and must come up to the Board of Trustees. It may involve securing extra outside funds if the program is continued in full vigor.

Faculty Minutes, 2/13/53 and 4/2/53

1953 2/25

MEMBERS Publications

POLICIES Administration

PHYSICS Academic Activities

Policy on IAS puchase of reprints of physics papers.

Filed in Chronological file under 1953, 2/25.

D, Physics Reprints

1954 12/17

PARTICIPATION IN ADMINISTRATION	Academic Personnel
SCHOOL OF MATHEMATICS	Academic Organization
✓THEORETICAL PHYSICS	Academic Activities
PLACZEK	Biographical

Placzek supported by Director and the Institute physicists backed by Bethe, Bohr and Rabi, was opposed by mathematicians as professor. Von Neumann ~~and~~ wrote in opposition.

General question raised: separate school for Theoretical Physics? Nature of appointments, etc. On January 14, 1955, faculty voted professorship down for Placzek 8-6. Cherniss moved, Panofsky seconded.

Faculty Minutes, pp. 266 and 268

1955

11/12

MATHEMATICS

Academic Personnel

THEORETICAL PHYSICS

Pauli to Oppenheimer, November 12, 1955.

"Now a few words on the situation in physics. In spite of great efforts from different sides, particularly by Landau and his collaborators, the structure of renormalized quantum-electrodynamics has not yet been clarified in a satisfactory way, as all mathematical methods proposed until now for a solution of this problem are using additional unproved hypotheses, which seem to me doubtful. At present it seems to me unlikely that this problem will be solved in the near future. My own interest is therefore withdrawing from this ugly mathematics and I feel as reaction to it a desire to come again in closer touch with nature, particularly with the new empirical material on mesons."

D, Pauli

~~Th Phy + Math — Weyl's letter 1955 11/IV~~

~~Inspite — attached —~~

Because not unwise — despite Weyl's praise of
Pauli as the phys w/ best math organ — and
enthrones the intuitional jumps —
See Weyl on Pauli 3/17/45 —

1955 12/10

SCHOOL OF MATHEMATICS — Academic Organization

MATHEMATICS — Academic Activities

THEORETICAL PHYSICS

FLEXNER, A. — Biographical

Social discussion with Professor Morse, 12/10/55.

Filed under "M" in Vertical File under Interviews.

Social discussion with Professor Morse, 12/10/55

1956 6/13

THEORETICAL ~~XXXXXX~~ PHYSICS — Academic Activities

MATHEMATICS

GENERAL — Academic Procedures

PRINCETON UNIVERSITY — Relations WOAI

SMYTHE, HENRY DeWOLFE — Biographical

DODDS

FLEXNER

EINSTEIN

BOHR

Interview with Dr. Henry DeWolfe Smythe, June 13, 1956.

Filed in Vertical File under Smythe Interviews.

Interview with Smythe, 6/13/56

SCHOOL OF MATHEMATICS — Academic Organization

MATHEMATICS — Academic Activities

PHYSICS

DIRECTOR — Administration

MEMBERS — Academic Personnel

VEBLEN, O. — Biographical

MONTGOMERY

AYDELOTTE

FLEXNER, A.

Interview with Dr. Veblen, December 12, 1956.

Filed in Vertical File under Veblen Interviews.

1957 January

THEORETICAL PHYSICS Academic Activities

YANG, CHEN NING Biographical

Articles from Time magazine (January 28, 1957) and the New York Times newspaper (1/16) on Yang of the Institute for Advanced Study, Tsung Dao Lee, physicist of Columbia, and Chien-Shiung Wu, another physicist at Columbia, telling of upset in "parity law."

Articles filed in Vertical File under "T" for Theoretical Physics.

Sources above.

RESEARCH — Academic Procedures

MATHEMATICS — Academic Activities

PHYSICS

GOTTMAN — Biographical

EINSTEIN, A.

Interview with Jean Gottman, February 7, 1957.

Filed in Vertical File under Gottman Interviews.