159

CORRESPONDENCE Nov. 1952

THE INTER CONTINENTAL PRESS

incorporating

"EXPRESS NEWSPAPERS"

November 2d 1952

Reply to:

WASHINGTON, D.C., U.S.A.
1001 National Press Building
National 7884

NEW YORK
Ed. Offices:
130 East 67th St.
Regent 7-7955
Admin. Offices:
Suite 1504, 225 Broadway

NEW DELHI, INDIA
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Connaught Circus

BOGOTA, COLOMBIA
"El Tiempo" Building

GENEVA, SWITZERLAND

STOCKHOLM, SWEDEN

Professor Norbert Wiener
Department of Mathematics
Massachusetts Institute of
Technology
Cambridge, Mass.

My dear Professor:

Just a short note to tell you how very much I enjoyed meeting you. It was really a tremendous intellectual experience to speak to you, and I hope I'll be able to do justice to the entire subject.

Will keep you informed of the progress of the story.

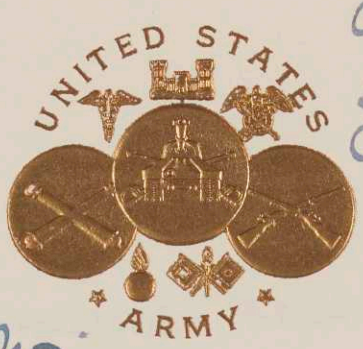
Very best wishes,

Serge Fliegers

Serge Fliegers

[ans 11/20/52]

Pvt. Ronald D. Soderberg
US-55-294-577
Co. B, 46th A.I.B.
5th Armd Div.
Camp Chaffee, Ark.
2 November 1952



My Dear Prof. Wiener,

It has been quite some time since I recieved your reply to my last letter. I must say it was a deep disapointment. So much has happened in the past month that I have difficulty in remembering exactly what I have done.

When I wrote to you before (I can not remember even the month) I was a civilian. Now I am doing basic training here in the Ozarks 700 miles from home. "Fine, you old Gypsie man".

My interest in contemporary science and mathematics.

Since I wrote to you I recieved the signatures of Hermann Weyl, Richard Courant, Sir Edmund T. Whittaker, and R.C. Archibald.

Please, Prof. Wiener, could you make just one exception to your rule. Ps recieve

your own personal signature would be a great honor.

I was surprised to read that you were once a private in the Army too.

I shall be very grateful if you will please autograph, date, and inscribe the card I am enclosing.

With many thanks for your time and kindness and the best of wishes to you and your good health and happiness,

I am,

Respectfully yours,

Ronald Soderberg

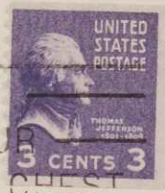
P.S.

Do you know if Prof. Godfrey Hardy is living? I have been unable to find any recent information concerning him.

Pvt. R. D. Soderberg
US 55 244 577
Co. B, 46th A. I. B.
5th Armd. Div.
Camp Chaffee, Ark.

FT. SMITH, ARK.
NOV 3
1:30PM
1952

GIVE
TO YOUR
COMMUNITY CHEST



Prof. Norbert Wiener
53 Cedar Street
Belmont, Massachusetts

November 3, 1952

Mr. James R. Custer
Automative Industries
Chestnut and 56th Streets
Philadelphia 39, Penna.

Dear Mr. Custer:

I am enclosing an advance copy of my paper for the ASME. My title differs quite radically from the one your letter contains, and I hope the content will not disappoint you in view of your expectations.

Sincerely yours,

Norbert Wiener

hb

COPY

November 3, 1952

Mr. Robert Goldscheider
The Harvard Law School Forum
23 Everett Street
Cambridge 38, Mass.

Dear Mr. Goldscheider:

I want you to know how sorry I am that it was necessary for me to back out of your Forum plans at the last minute last week. I had entirely forgotten an engagement for Friday evening which had been set long ago. I am sorry for the inconvenience our misunderstanding must have caused you, and I shall be happy to be called upon on another occasion.

With all good wishes,

Sincerely yours,

Norbert Wiener

hb

(ans ea 11/5/52)

COPY

November 3, 1952

Mr. William E. Jeney, Chairman
Lecture Series Committee
Rutgers University
New Brunswick, New Jersey

Dear Mr. Jeney:

Thank you for your kind invitation to speak at Rutgers. I should be happy to do so.

So far as dates are concerned, I cannot consider coming to New Brunswick until the beginning of our spring term. Sometime in mid-February or early March would be possible. Then I am tied up again until the end of April. Let me know a little more about your schedule, and we can compare notes.

Do you have any particular lecture subject you'd like me to address myself to?

Sincerely yours,

Norbert Wiener

hb

November 3, 1952

Mr. David E. McGiffert
Wigglesworth Hall I-22
Cambridge 38, Mass.

Dear Mr. McGiffert:

The size and composition of your group, plus the subject which interests you, makes your proposal for an evening with you very appealing. Will the night of November 18, Tuesday, be a convenient one? If you would prefer any other evening during that week, I can accommodate you.

If you will confirm this date, and tell me where the Signet Society is, I shall plan to meet you there at about 6:30.

Sincerely yours,

Norbert Wiener

hb

[ans 11/7/52]

November 3, 1952

Mr. Henry Simon
Simon and Schuster, Inc.
630 Fifth Avenue
New York 20, New York

Dear Mr. Simon:

I am about as much at a loss as you are as to the matter of the definitive title of the book. The Autobiography of an Ex-Prodigy clearly tells what the book is about and is easy to remember. But it is a bit frigid, and although it is not exactly boastful, I cannot help feeling that it has a slight flavor of vulgarity taken alone, and many of those close to me agree. Barnes' title has a better rhythm to it, but the second part of it merely repeats the first part. The last subtitles you suggest are dead out. You must remember that neither I nor my publishers are the people to estimate the degree of distinction I may have, and that any claim in the title of the book will appear to a good many as a rather brash piece of conceit on my part. As to "the inventor of Cybernetics," I am not appearing in the book as the inventor of Cybernetics, but as a puzzled youngster. And the subtitle seems to me to be more suitable to any book I may write later about my mature years.

Without claiming 100 per cent satisfaction with any title, the one that looks best to me is, Scholar's Apprentice: The Autobiography of an Ex-Prodigy. Is should like that to stand if we cannot think of one which in my opinion is definitely better.

Sincerely yours,

Norbert Wiener

hb

7-33

P-W.

November 3, 1952

Mr. Philip P. Wiener
192 Doligni Avenue
New Rochelle, New York

Dear Mr. Wiener:

I should be willing to consider giving weekly lectures at City College in the Philosophy of Science in the spring of 1954. However, accepting an invitation would be contingent on my being in the country at the time and the general state of my health. And these are things I usually can't predict as far in advance as this.

Sincerely yours,

Norbert Wiener

hb

November 3, 1952

Professor L. A. Zadeh
Department of Electrical Engineering
Columbia University
New York 27, New York

Dear Professor Zadeh:

There is now one further clue which you might pursue in connection with Professor Wiener's "Seminar in Nonlinear Networks."

Mr. Henry Singleton, who was at the Research Laboratory of Electronics here at the time Report No. 160 was written, may be reached by mail forwarded to him from the Research Laboratory, Hughes Aircraft, Culver City, California. I should suggest that you write to him there, and he may be able to help you.

Sincerely yours,

Mrs. George Baldwin
Secretary to Prof. Wiener

hb

(INTER-DEPARTMENTAL)

MASSACHUSETTS INSTITUTE OF TECHNOLOGY
CAMBRIDGE, MASS.

OFFICE OF Charles D. Coryell
Room 6-427

November 4, 1952

Ruth Aaronson

Professor Norbert Wiener
Room 2-155
M.I.T.

Dear Professor Wiener:

We have just received a request from a former F.S.S.P. student, Mr. Pierre Lévêque of the Commissariat à l'Energie Atomique in Paris, for copies of the notes for your courses M-451 and M-452. Are these available in printed form? If so, we would appreciate receiving two sets for transmittal to Mr. Leveque.

Thank you very much.

Yours very truly,

Charleen Perkins

(Miss) Charleen Perkins
Secretary to Charles D. Coryell

:cp

[ans 11/17/52]

OFFICE OF THE DEAN OF HUMANITIES

November 5, 1952

Memorandum to Professor Wiener

Dear Norbert:

I was in New York the other day looking at a preview of a television program built around Robert Frost. Among those at the preview was Sylvester Weaver, president of National Broadcasting Company, a personable and I should judge intelligent young executive with a serious concern about the responsibilities which rest on NBC with their new toy.

In the course of our conversation he asked about you. It seems he has read all of your stuff which would be comprehensible to him and is much impressed. He said that he was sure a man like you could make suggestions to a man like him which would be bound to affect television for the better (he is speaking of content and not of techniques). I told him that you were not stuffy or difficult and that the best way for him to get in touch with you was by a perfectly direct approach. Why did he not invite you to lunch in New York some time - as simple as that.

You may hear from him some time soon and if you do I rather fancy something of mutual profit might ensue. I don't know what? Of course he is a man of his vocation but cuts higher than most, I should think.

Sincerely yours,

John E.Burchard
Dean of Humanities and Social Studies

jeb/h

MASSACHUSETTS INSTITUTE OF TECHNOLOGY
CAMBRIDGE, MASSACHUSETTS

SLOAN FELLOWSHIP PROGRAM
FOR EXECUTIVE DEVELOPMENT

November 5, 1952

Professor Norbert Wiener
2-155, M.I.T.

Dear Professor Wiener:

This will confirm the Science and Engineering Seminar scheduled on Wednesday, November 12, 1952 from 4:00-5:00 p.m. in the Hayden Library Lounge.

Let me say that I am especially pleased to welcome you for another appearance in our annual seminar series. The staff and graduate students in the School of Industrial Management and the Department of Economics and Social Science are looking forward to your seminar with great interest.

I am enclosing a list of our 1952-53 Sloan Fellows and their respective backgrounds. This group of eighteen men, ranging in age from thirty to forty years, will form the nucleus of your audience. The staff and graduate students of the School of Industrial Management and the Department of Economics and Social Science are also customarily invited to attend. Also enclosed is the general announcement of this year's seminar series circulated early this fall. It should help to identify the character and objectives of the seminar.

The choice of a subject is entirely your prerogative, of course. In our brief conversation at your office, you indicated the possibility of previewing a talk which you are scheduled to give before another group on Mechanical Engineering. Let me say that this topic would be entirely suitable for our purposes. However, your talk last year on the Application of Cybernetics to Medicine was so popularly acclaimed that numerous requests have already been received for a repeat performance. Most of our people know you best from your work in Cybernetics and are very anxious to hear you speak on some aspect of this field, if this meets with your approval.

Will you please ask your secretary to confirm your decision on a topic by calling Miss Murley at extension 167 some time this week?

I shall look forward to presenting you to our group next Wednesday.

Very truly yours,

Vincent A. Fulmer

Assistant to the Director

enc.

Society & Information

SLOAN FELLOWSHIP PROGRAM ANNOUNCEMENT

TO ALL COURSE XIV AND XV STAFF AND GRADUATE STUDENTS

Science and Engineering Seminars

Continuing the program which has been in operation during the past three years, we are planning another series of Science and Engineering Seminars for the 1952-1953 academic year.

These seminars are offered to all Course XIV and XV Staff and Graduate Students to provide an opportunity to meet informally with some of the Institute's top-ranking scientists, engineers, and architects for a bird's-eye view of recent developments in the world of science and engineering. As in the past, the speakers will present technical subjects in their respective fields while restricting themselves to non-technical language designed to be illuminating and understandable to the non-technical student. Emphasis will be on the impact and probable significance of recent technological developments.

If it is possible, some twenty or twenty-five afternoon seminars will be scheduled at various times and places reasonably convenient for all concerned. The seminars will be approximately one hour in length. Advance notices of the meetings will be posted and circulated as new speakers are engaged. Attendance is entirely voluntary and requires no greater formality than your presence at the appointed time and place of the meeting.

All Course XIV and XV Staff and Graduate Students are cordially invited to attend.

September 29, 1952

SLOAN FELLOWS 1952-1953

Kenneth E. Bowen Beardstown, Illinois	Central Illinois Public Service Co. Division mechanical engineer
Bennett D. Buckles Detroit, Michigan	Allied Chemical & Dye Corp. - Solvay Process Division, General foreman
Hilmar B. Christianson, Jr. Chicago, Illinois	The Atchison, Topeka & Santa Fe Railway System - Assistant engineer
Philip G. Eckert Alton, Illinois	Illinois Bell Telephone Co. District traffic superintendent
Andrew W. Edwards Pittsburgh, Pa.	Westinghouse Electric Corp. Section manager - switchgear division
Ralph L. Hennebach El Paso, Texas	American Smelting and Refining Co. Assistant superintendent - zinc smelting
Wayne Horvitz Rome, New York	General Cable Corporation Personnel manager
George A. Matteson, Jr. Attleboro, Mass.	Metals & Controls Corp. Assistant to the president
G. Lowell O'Daniel Cambridge, Mass.	Lever Brothers Company - Administrative manager, Research and Development Div.
John D. Patton Akron, Ohio	Firestone Tire & Rubber Co. Staff engineer
Peelamedu R. Ramakrishnan Coimbatore, India	Ramakrishna Industrials Ltd. General manager and director
Charles E. Smith Los Angeles, California	Union Oil Company of California Division field engineer
Clyde B. Smith Chicago, Illinois	Continental Can Company Engineer - engineering standards
Goff Smith New York City	American Steel Foundries Sales Engineer
Donald W. Steel Pasadena, California	U.S. Naval Ordnance Test Station Head, turbomachinery branch
Robert T. Wallace Toledo, Ohio	Plaskon Division, Libbey-Owens-Ford Glass Company - plant superintendent
Robert H. Wilkie Bristol, Conn.	New Departure Division, General Motors Corp. - Superintendent, high volume
Thornton A. Wilson Seattle, Washington	Boeing Airplane Co. Engineer (aerodynamics)

The Harvard Law School Forum
23 Everett Street
Cambridge 38, Mass.

[ca. Nov. 5, 1952]

Telephone KIrkland 7-7600 Ext. 381

Professor Norbert Wiener
Massachusetts Institute of Technology
Cambridge, Massachusetts

Dear Professor Wiener:

I am indeed sorry that unforseen circumstances prohibit you from appearing on our panel of November 7.

We do appreciate your interest in our organization and hope to extend another invitation for a program which may interest you in the not too distant future.

Very truly yours,

Robert Goldscheider

Robert Goldscheider
Co-ordinator

RG:mmd

The University of Chicago Press
5750 ELLIS AVENUE • CHICAGO 37 • ILLINOIS

November 5, 1952

Professor Norbert Wiener
Massachusetts Institute of
Technology
Cambridge 38, Massachusetts

Dear Professor Wiener:

At the suggestion of Professor F. A. Hayek we are sending you a complimentary copy of his latest book, THE SENSORY ORDER, which we will publish November 21.

Sincerely yours,

Robert L. Shebs

Robert L. Shebs
Sales Promotion

lb

CONFERENCE BOARD OF ASSOCIATED RESEARCH COUNCILS
COMMITTEE ON INTERNATIONAL EXCHANGE OF PERSONS
2101 Constitution Avenue, Washington 25, D. C.

November 5, 1952

Professor Nobert Wiener
Massachusetts Institute of Technology
Cambridge 39, Massachusetts

Dear Professor Wiener:

The Committee on International Exchange of Persons has been given your name as a reference by the Applicant named on the enclosed confidential report form. A brief statement of the applicant's purpose in applying for a Fulbright award is given on the short address form.

It would be appreciated if you would provide the Committee with your appraisal of the applicant's personal character, his professional qualifications, and his ability to accomplish the purpose for which the grant has been requested. Your comments will be used only in connection with a review of the candidate's application.

The Committee has found that comments from references on the following points are particularly helpful in reviewing applications: What have been the achievements of the applicant, and what is his promise as a scholar or teacher considering his age and present stage of professional development? If the candidate is applying for an award as a visiting lecturer, does he possess sufficient maturity and experience to undertake teaching responsibilities in a foreign university and to represent creditably his American colleagues? If the applicant requests an award for advanced research, does he have the necessary preparation in his special field, as well as the intellectual qualifications, to undertake independent and productive research? How would his candidacy be viewed by his colleagues in regard to his professional standing? Would he be an effective representative abroad of American academic and cultural life? Would he and the members of his family who might accompany him be likely to adapt successfully to foreign cultures and conditions of life?

As the objective of the Fulbright program is to foster international understanding as well as to assist individuals in furthering their professional development, the Committee is especially interested in evidences of the applicant's adaptability, interest in human relations, and capacity for constructive leadership. It is hoped that you will refer to any other factors which you feel the Committee should consider in reviewing the application.

Sincerely yours,

Francis A. Young
Executive Secretary

FAY:als
Sept 1952

[Cons 11-13-53]

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

....., 19.....

Memo to..... Room.....

Jan. 26, 1953. A Men's org. in Belmont have elected Dr. Wiener "Man of the Year." Dinner, at 6:30, at Belmont-Watertown Jewish Community Center, 220 Lexington St., Belmont.

1/2 hour talk about anything that's on your mind in the language of the layman.

Mr. Charles A. Berman
319 Pleasant St.
Belmont, Mass.

from..... Room.....

7-52-250M MURAN B33476

November 5, 1952

Mr. Charles A. Berman
319 Pleasant Street
Belmont, Mass.

Dear Mr. Berman:

Enclosed is the material you requested this afternoon. If the photograph is used, it should carry the citation, "A. Goldberg," in whatever manner is customary.

If you will get in touch with either Mrs. Wiener or me the week before January 26, final arrangements can be made about transportation. One further piece of information is relevant: Professor Wiener is a vegetarian, and will eat no meat. A vegetable plate and a bit of cheese will be entirely satisfactory so far as his dinner is concerned.

Sincerely yours,

Mrs. George Baldwin
Secretary to Prof. Wiener

hb

new selected listing.
big. outline
Goldberg picture

November 6, 1952

Senor Dr. Luis Garrido
Rector de la Universidad Nacional de Mexico
Mexico D.F., Mexico

Muy honorado Senor:

Siento mucho el honor que usted me brind en designandome huesped de Honor de su Casa de Estudios por las ceremonias de inauguracion de la Ciudad Universitaria. Siento aun mas el espiritu de amistad que usted me muestre y que mis otros amigos memuestren en enviandome esta invitacion. Siento mucho que la cantidad de mi trabajo no me permite a este momento ausentarme de mi escuela. Pero quiero aseguerarle que mi carino por Mexico lo hace seguro, que volvere en Mexico en el futuro no demasiado remoto.

Que usted acoepte mi mas alta y distinguida consideracion.

Norbert Wiener

hb

November 10, 1952

Senor Dr. Luis Garrido
Rector de la Universidad Nacional de Mexico
Mexico D.F., Mexico

Muy honorado Senor:

Estoy my orgulloso reciber el honor que usted me brinda en designandome huesped de Honor de su Casa de Estudios por las ceremonias de inauguracion de la Ciudad Universitaria. Me honra muchesimo tambien el espiritu de amistad que usted me muestra y quē mis otros amigos me muestran en enviandome esta invitacion. Siento mucho que la cantidad de mi trabajo no me permiten en este momento ausentarme de mi escuela. Pero quiero aseguerarle que mi carino por Mexico lo hace seguro, que volvere en Mexico en un futuro no demisiado remoto.

Que usted accepte mi mas alta y distinguida consideracion.

Norbert Wiener

hb

MASSACHUSETTS INSTITUTE OF TECHNOLOGY
CAMBRIDGE 39, MASS.

DEPARTMENT OF MATHEMATICS

November 6, 1952

Señor Dr. Luis Garrido
Rector de la Universidad Nacional de Mexico
Mexico D.F., Mexico

Muy honorado Señor:

Estoy my orgulloso recibir ~~Siento mucho~~ el honor que usted me brinda en designandome huésped de Honor de su Casa de Estudios por las ceremonias de inauguración de la Ciudad Universitaria. ~~Siento aun mas~~ el espíritu de amistad que usted me muestra y que mis otros amigos me muestren en enviándome esta invitacion. Siento mucho que la cantidad de mi trabajo no me permite a este momento ausentarme de mi escuela. Pero quiero aseguerarle que mi cariño por México lo hace seguro, que volveré en México en ~~el~~ un futuro no demasiado remoto.

Que usted accepte mi más alta y distinguida consideración.

Me honra mucho verlos también

Norbert Wiener

Norbert Wiener

hb

November 6, 1952

Franz Schnitzer
Leoben, Parkstr. 26
Austria

Dear Mr. Schnitzer:

Professor Wiener has asked me to thank you for your recent letter. His paper on Tauberian Theorems was published in Vol. 33 of the Annals of Mathematics in 1932. Professor Wiener's copies of this paper were given away many years ago. The Annals are published by the Institute for Advanced Study in Princeton, New Jersey. It may be that if you write there, you may find an extra copy of Vol. 33.

I have enclosed one other short paper on Tauberian theorems, and Professor Wiener's corrections for the article in the Annals which you have asked for. I hope these papers will be of some interest to you, and I regret that it is impossible to get a copy of the long paper into your hands more easily.

Sincerely yours,

Mrs. George B. Baldwin
Secretary to Prof. Wiener

h

National Society for the Study of Communication

Committee on General Methodologies

Seth Fessenden, Chairman
University of Denver
Denver, Colorado

November 7, 1958

Dear Committee Colleague:

It has been some time since we attempted a "round robin" letter, but now seems to be a very appropriate time to begin again. The Western Speech Association is holding its convention here during the Thanksgiving vacation, and as part of this convention there will be sectional meetings and a workshop devoted to studies in communication. Dr. Herold Lillywhite is serving as area chairman with Drs. Keltner, Anderson, and Redding as meeting chairmen.

It might be very possible that from our sectional meetings at that time we will be able to gather data and ideas that will be valuable in our yearly report at the national meeting. Perhaps you can find time at once to jot down on the enclosed card a question or so, the answer to which would be valuable in our study of methodologies.

I think that to date we have never fully agreed upon either the definition of our task or the best ways to approach the study. I notice from reports received from other committees that one procedure followed is the use of sub-committees to deal with specific area problems.

Recently we have had the opportunity of inviting Mr. Charles Shaw, Director of Graphics of USAF, to help to set up a subcommittee on visual media. It is quite probable that there are many others that should be started; perhaps there should be one on definition as well as on other areas. Will you include on your card subcommittee suggestions and indicate those if any that you would like to help to develop.

I'll get a report out to everyone on questions, subcommittee ideas, and the like by the 22. This will be followed by a report on the results of the Thanksgiving convention. In order to keep such a schedule, I'll need every bit of your cooperation. Sincerely yours,

Seth

November 7, 1952

P. S.

As evidence of the need for our committee to function effectively, we have already received requests from others for answers to these items. It would be extremely helpful if you would consider the appropriate answers and send them to me. Those that I receive will then be circulated among us for approval before passing them on to the inquirers:

1. What information is there concerning the program of NAAC in Radio, TV, Audio visual?

2. How should the teacher of communications adjust to the recommendations of the educators and the generalists ? To integration without elimination?

3. To what extent is your society interested in public relations communication?

4. What language is best? Where does professional temoinology confuse ?

5. How can we develop the two-way communication between the school and public?

6. Could you investigate and report on relations of thinking abilities and communication skills?

7. Although our college is at present offering only upper division work, we are beginning to plan an eventual lower division program to include a considerable amount of general education content. We need to know the possible use of general semantics as an integrative factor in the general education communications course probably to be taught at the freshman level.

These are probably but a small sample of the questions that will and should confront us as a committee once we show we are willing and able to work. If any of the above items suggest approaches to you, will you please express them. Certainly as a committee it would seem evident that there is so much to be done in our area that we need not fear the lack of challenge.

I shall keep the mail warm among us as soon as your cards and letters begin to come in.

Sincerely,

Lee

GEORGE AUBREY HASTINGS
PUBLIC RELATIONS COUNSEL

METROPOLITAN LIFE BUILDING • ONE MADISON AVENUE • NEW YORK 10, N. Y.
TOWER SUITE 312-A MURRAY HILL 5 - 1261-2-3

November 7, 1952

Asst 2 copies of
ASME advance copy

Professor Norbert Wiener
Department of Mathematics
Massachusetts Institute of Technology
Cambridge, Mass.

Dear Professor Wiener:

On October 3 we sent you a form letter explaining our procedure in publicizing the Annual Meeting of The American Society of Mechanical Engineers and requesting two copies of your paper, with illustrations, to be presented at that meeting. We enclose another copy of the form letter.

As the date of the meeting is drawing close and we have had no reply from you, we wonder if copies of your paper are now available. If so, we would very much appreciate your sending them to us as soon as possible.

As explained in the enclosed letter, we have to work as far as possible in advance of the meeting in order to assure careful preparation of the news releases and allow sufficient time for mimeographing and mailing to newspapers and periodicals.

Sincerely yours,

George A. Hastings

Director of Public Relations
THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS

Wigglesworth I-22
Cambridge, Mass.
Novermber 7, 1952

Dear Professor Wiener,

We are very happy that you will be able to speak to us and look forward to the occasion with pleasant anticipation. The night of Tuesday, Nov. 18 is perfect. The Signet Society is located in a wooden house on the southeast corner of the intersection of Mt. Auburn and Dunster Streets. This is about a block from the Square to the north and Kirkland House to the south.

It would be a pleasure to me to come and pick you up and take you home afterwards, if this would be more convenient for you. My car knows the way to Belmont pretty well.

Sincerely yours,

David E. McGiffert

[ans 11-10-52]

SIMON AND SCHUSTER, INC.
publishers

ROCKEFELLER CENTER, *630 Fifth Avenue, New York 20* • CABLE ADDRESS *Essandess* • TELEPHONE *Circle 5-6400*

November 7, 1952

Dear Dr. Wiener:

Since our last exchange of letters, we have tried on for size, so to speak, no fewer than 15 completely new and different titles, most of which appeared, at first glance, to fill the bill and none of which survived living with very long. (Samples: ONE SMALL HEAD; PUZZLED YOUTH; LIVE AND LEARN; FATHER AND SON; etc., etc. I won't bother you with the rest.) I have called in not only the editorial department but the sales and the production departments as well. With not a dissenting voice, they agree that THE AUTOBIOGRAPHY OF AN EX-PRODIGY is the best title so far suggested. The sales department is particularly opposed to SCHOLAR'S APPRENTICE because of the comparative difficulty of remembering it and because it does not really tell what the book is about. Joseph Barnes raises the further objection that it isn't very accurate; for you are pictured not merely as the apprentice of your father but as the apprentice of many other scholars as well.

What, then, would you think of calling the book just EX-PRODIGY, with the subtitle BOYHOOD AND YOUTH by Norbert Wiener. This might obviate the objection of your friends, for they may feel THE AUTOBIOGRAPHY as a somewhat pompous word when attached to the life of a boy; while the sub-title suggests there may be more coming - as, indeed, we hope there will. The single word I find memorable, exciting, and also dignified.

I am temporarily holding up the production department from completing the jackets, which, accordingly, may make them too late for the sales meeting. It seems to me more important for us to come to an agreement on the final title than to have this extra piece of material to present to the salesmen at precisely the psychological moment.

Very sincerely yours,

Henry Simon

Dr. Norbert Wiener
Department of Mathematics
MIT
Cambridge, Mass.

[ans 11/12/52]

SIMON AND SCHUSTER, INC.
publishers
ROCKEFELLER CENTER, *630 Fifth Avenue, New York 20* • TELEPHONE *Circle 5-6400*

November 10, 1052

Dr. Norbert Wiener
Massachusetts Institute of Technology
Cambridge, Massachusetts

My dear Dr. Wiener,

Mr. Henry Simon has asked me to tell you that the galleys of your book have just returned from the printer.

I have suggested to him that it would be better for you if our proofreader went over them first; you, then, would be able to answer both the printer's queries and the reader's. I know that this plan will mean a week's delay in your reading schedule, but I hope that you will forgive me.

I shall send the galleys to you next Tuesday, November 18. If you have any questions, or if I may help you, please let me know.

Very truly yours,

Elizabeth Farrar

Elizabeth Farrar
Copy Editor

Paris, november 10, 1952.

Monsieur le Professeur,

I received your two last letters of june and september, introducing Mr. Bruce B. Barrow and Dr. Gordon Raisbeck. I shall always be glad to see your friends abroad.

The first lecture of the Cercle d'Etudes de Cybernétique, for the 1952-53 season, will be done by M. Lafitte at the begining of december, you will receive complete details soon.

The problem of the proper rendering of cybernetic terms from English into French is interesting, I do not forget it.

Veuillez croire, Monsieur le Professeur, à l'assurance de mes sentiments les plus respectueux.

Robert Vallée

Robert VALLEE

M. Couffignal, who directed the Congress about Calculating machines in january 1951 in Paris, has joined the Cercle de Cybernétique.

2, rue Mabillon, Paris 6.

November 10, 1952

Mr. David E. McGiffert
Wigglesworth Hall I-22
Cambridge 38, Mass.

Dear Mr. McGiffert:

I should prefer to make no decision about transportation until the day of the meeting. If you will call my secretary on Monday afternoon or Tuesday morning, I shall be able to tell you then. Thank you for your kind offer -- I shall probably accept it.

Sincerely yours,

Norbert Wiener

hb

[ans 11/21/52]

November 10, 1952

Mr. Ercole Rosa, Jr.
American Society of Mechanical Engineers
29 West 39th Street
New York 18, New York

Dear Mr. Rosa:

In making some preliminary plans for Professor Wiener's lecture to the ASME in December, I have found a conflict in dates in your letters of May 14 and August 2. Hence, I wonder if you will let me know which date is the one on which Professor Wiener's talk is scheduled -- Tuesday, December 2, or Wednesday, December 3. I should also like to know what time of day the meeting will be held, and where in New York it will be.

I hope it will not be a great inconvenience for you to get this information to me quite soon. Professor Wiener has a couple of other appointments which he hopes to fit into this New York trip, and they must be arranged for in advance.

Sincerely yours,

Mrs. George Baldwin
Secretary to Prof. Wiener

h

November 11, 1952

Dr. Nabor Carrillo
Puente de Alvarado 71
Quinto Piso
Mexico D.F.
Mexico

My dear Carrillo:

I am awfully sorry that I can't make it to the dedication of the University City. But the invitation comes at a time when I am terrifically busy, and I want to reserve my Mexican trips for those occasions when I can have real fun out of them by a good long stay. I have been cutting down my travelling this year partly for reasons of health and partly for reasons of expense, and I wish I could make an exception for you people. But I just don't see how I can do it. However, please don't think you have seen the last of me.

I have sent my apologies to Garrido. Margaret joins me in sending you our best regards.

Sincerely yours,

Norbert Wiener

hb

Wiener - 2293

Wed

Could this be 3:15?

INDUSTRIAL LIAISON OFFICE

November 12, 1952

SCHEDULE OF VISIT OF MR. W. C. HEATH - A. O. SMITH CORPORATION

November 19 - 21, 1952

Wednesday, November 19		Room	Extension
12:30 - 2:30	Professor W. H. Gale (Includes Lunch)	3-207	864
~~3:45~~ 3:15 -	Professor Norbert Wiener	2-155	198

Thursday, November 20			
11:00 - 12:00	Professor Alex Bavelas	52-254A	2662
12:30 - 2:00	Dean E. P. Brooks (Includes Lunch)	52-474	150

Friday, November 21

Please send reprint. 3-174

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95 AMES STREET
ROCHESTER 1, N.Y., U.S.A.

November 12, 1952

Norbert Weiner
Massachusetts Institute of Technology
Cambridge 39, Massachusetts

Dear Sir:

I am interested in obtaining a reprint of the paper, "Social Considerations in Planning the Automatic Factory".

If you have an available copy, would you please send me one.

Very truly yours,

W. I. Caldwell

W. I. Caldwell
Research Director

MJ

[ans 12/1/52]

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SUBSIDIARIES IN
TORONTO, CANADA
LONDON, ENGLAND

95 AMES STREET
ROCHESTER 1, N.Y., U.S.A.

November 12, 1952

Norbert Wiener
Massachusetts Institute of Technology
Cambridge, Mass.

Dear Sir:

I am interested in obtaining a copy of the paper entitled, "The Formal Concepts of Automatic Production". If you have an available print I would greatly appreciate receiving it.

Very truly yours,

W. I. Caldwell

W. I. Caldwell
Research Director

WIC:MJ

[and 12/1/52]

Western Union -- Rec'd. Nov. 12

Morning technical session at which you will present paper is scheduled for 9:30 a.m. Tuesday, Dec. 2 in the Penn Top South Room, Hotel Statler. If you can attend, evening session will be at 8:30 Tuesday evening, Sky Top Room, Hotel Statler.

Ercole Rosa
Columbia University

Ernest Hartford Exec. ~~Asst.~~ Sec.
ASME
29 W. 39th St. NY 18

Prof

late -

UNIVERSITY OF CALIFORNIA

COLLEGE OF ENGINEERING
DIVISION OF ELECTRICAL ENGINEERING
BERKELEY 4, CALIFORNIA

November 12, 1952

Dr. Norbert Wiener
Department of Mathematics
Massachusetts Institute of Technology
Cambridge, Massachusetts

Dear Dr. Wiener:

I have worked out a technique of solving the optimum stable linear filtering problem, following your pattern, but using Fourier and Laplace transforms throughout.

We are now starting on the non-linear filtering problem. Mr. Colin Cherry mentioned that you had solved the general problem, but had not yet published the work. I would be very appreciative if you could send me any published material of yours on this subject, or progress notes.

If you have notes which you wish returned, I shall treat them with due care.

Sincerely yours,

Otto J. M. Smith

Otto J. M. Smith
Associate Professor

OJMS/aa

[ans 3/25/53]

November 12, 1952

Mr. Henry Simon
Simon and Schuster, Inc.
630 Fifth Avenue
New York 20, New York

Dear Mr. Simon:

I have done my best to secure a good photograph, and I am asking the M.I.T. Photographic Department to forward directly to you a glossy print to answer your requirements.

As to the title of the book, I think the best we can do is to settle on Ex-Prodigy, with the subtitle Boyhood and Youth. I think this clears up all the matters outstanding between us. I am now awaiting my galleys, and I shall dive into them as soon as they arrive.

I shall be in New York during the first week of December, and other things being equal, that would be a good time to have our conference on the promotion of the book. But if it should be necessary, I am prepared to take a special trip for that purpose.

Sincerely yours,

Norbert Wiener

hb

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THE AMERICAN MEMBER OF THE INTERNATIONAL COMMITTEE FOR SCIENTIFIC MANAGEMENT (COMITE INTERNATIONAL DE L'ORGANISATION SCIENTIFIQUE, — C.I.O.S.) GENEVA

TELEPHONE: MUrray Hill 2-3090
CABLE ADDRESS: NATMANCIL

November 13, 1952

Professor Norbert Wiener
Mathematics Department
Massachusetts Institute of Technology
Cambridge 39, Massachusetts

Re: TA 38-207

Dear Professor Wiener:

This letter will confirm our telephone conversation of earlier this week in which you very kindly agreed to have several members of our French Applied and Industrial Psychology Study Group visit you on Wednesday, November 19, at 2:30 p.m. Owing to a change of the group's plans, only one man, Mr. Jean Faverge, will visit you on this date. Mr. Faverge will be accompanied by an interpreter.

Mr. Faverge, whose study group is in this country under the auspices of the Mutual Security Agency, is Chief of the Psychological Department of the Ministry of Labor in France. He is also an Assistant Professor of Statistics at the Institute of Psychology in Paris. He is familiar with American books and journals of psychology and is interested in studying the problems on which industrial and applied psychologists are now concentrating their study and in new trends and research under way.

We certainly appreciate your assistance in our program, and know that the time Mr. Faverge spends with you will add a great deal to the value of his study tour in the United States.

Sincerely,

Philip Carey
Director of Programs -- U.S.

/jgd

Tues. Dec. 2 - 9:30 am
8:30 pm. AMHE

SIMON AND SCHUSTER, INC.
publishers

ROCKEFELLER CENTER, *630 Fifth Avenue, New York 20* • CABLE ADDRESS *Essandess* • TELEPHONE *Circle 5-6400*

November 13, 1952

Dear Dr. Wiener:

I am delighted to learn that you agree with us that EX-PRODIGY is, at least, "the best we can do". The suggestion was made independently by two of our editors, and it has been received here with great enthusiasm.

Our production department has already designed a title page that is, I think, unique and that solves the somewhat difficult problem of using the illustrations so that they will not look merely routine. The idea is one of a double-spread title page with a series of eight pictures to include your parents, your grandmother, your wife, and yourself at various stages from infancy through the approximate close of the book. I have already seen the layout and a paste-up with photostats, and it looks to me not merely handsome but far more meaningful than a series of photographs spotted throughout the book or else put into one section of several pages. The shorter title appears on one of the pages and the subtitle on the other. As soon as we have proofs, I shall send a copy up to you.

If you have not found another photograph of your current self, don't bother to look further. The one that we have can perfectly well be used for the jacket, the objections I had relayed to you applying only to its use as a frontispiece. With this double spread, a frontispiece would be rather out of place.

Miss Farrar has already written to you about the proofs. It seems wise to let our own proofreader get at these before they are sent to you so that you may answer any queries he may have together with the printer's queries.

The first week of December sounds like an excellent time for our preliminary conference on promotion and publicity. By that time you may also have had the chance to go through the proofs and we can settle any final production problems. I look forward to seeing you at that time.

Very sincerely,

Henry Simon

Dr. Norbert Wiener
MIT
Cambridge, Mass.

hws:lf

Renaud

UNIVERSITY OF MICHIGAN
ANN ARBOR
DEPARTMENT OF MATHEMATICS

Nov. 13, 1952

Professor Norbert Wiener,
Mathematics Department,
Mass. Inst. of Technology,
Cambridge 39, Mass.

Dear Professor Wiener:

The supply of Colloquium Volume 19, the Paley-Wiener volume, is running low, and the Colloquium Committee is considering a reprinting.

It has been customary, before reprinting a volume, to ask the author whether he wishes to make any list of corrections or addenda. Since the reproduction is usually done by Photo-Lithoprint, the quickest procedure is to list corrections at the back of the new printing, if this is feasible. Some changes can be made in the body of the text by a paste-over if necessary, however.

Would you kindly let me know your desires in this regard?

With cordial greetings,

Sincerely yours,

R. L. Wilder

R. L. Wilder
Chairman, Committee on
Colloquium Publications

Make any corrections you think necessary -

[ans 11/17/52]

November 13, 1952

Professor Alex Bavelas
52-254A

Dear Bavelas:

Would you do me the favor of looking at this letter, and then passing it on to someone who could answer it better than I?

With many thanks,

Sincerely,

Norbert Wiener

hb

REQUEST FOR CONFIDENTIAL INFORMATION

Your name has been given as a reference by an applicant for a Fulbright Award. It would be appreciated if you would return this slip with your confidential statement.

Name of Applicant: Albert Edward Heins

Purpose of Award: Research (*Lecturing or Research*) in France (*Country*)

Concise Statement of Proposal: The application of function-theoretic methods to the boundary value problems of diffraction theory.

Information requested from:

Professor Nobert Wiener (*Name*)

Massachusetts Institute of Technology (*Address*)

Cambridge 39, Massachusetts (*State*)

I have known Dr. Heins for many years. I consider him a man both of fine character and of high mathematical ability. I think that his program represents an important application of mathematical techniques to mathematical physical problems. This field of junction of pure mathematics with pure physics is one in which we do not have too many first rate men, and I think that by devoting himself to this work, Dr. Heims is performing a real service. He is thproughly competent to see the program through, and I for one should be very glad to see him obtain a Fulbright award.

Professor of Mathematics
Massachusetts Institute of Technology, Cambridge, Mass.
November 13, 1952

MASSACHUSETTS INSTITUTE OF TECHNOLOGY
CAMBRIDGE. MASSACHUSETTS

SLOAN FELLOWSHIP PROGRAM
FOR EXECUTIVE DEVELOPMENT

November 14, 1952

Professor Norbert Wiener
2-155, M.I.T.

Dear Professor Wiener:

Our Sloan Fellows and other graduate students are most enthusiastic about your discussion with them yesterday. May I again express our sincere thanks for your help.

Very sincerely yours,

Gerald B Tallman

m

Gerald B. Tallman
Director

From letter — Nov. 19

834 Clinton Place,
River Forest, Ill.
Nov. 15. 1952

Dr. Norbert Weiner
Cambridge, Mass.

Dear Sir:

Some time ago the Science Editor of the Chicago Daily News had an article in his column about a hearing aid that you were developing for the totally deaf - I wrote to him Nov 9th for further information and he suggested I write to you.

My son is totally deaf as a result of Spinal Meningitis while in the Navy -

Any help or <u>hope</u> you can give me will be very much appreciated.

Yours Truly

(Mrs. John) Lela McClintock

MEHARRY MEDICAL COLLEGE
NASHVILLE 8, TENNESSEE

CANCER RESEARCH LABORATORIES
DR P F HAHN, DIRECTOR

November 17, 1952

Dr. Norbert Wiener
Dept. of Mathematics
Massachusetts Institute of Technology
Cambridge 39, Massachusetts

Dear Dr. Wiener:

A letter from your secretary, Mrs. Baldwin, arrived immediately after my departure for Spain, and therefore, the reason for the delay is evident. Apparently I neglected to send the published reprints of the communication, the carbon copy of whose abstract was sent to you in January 1951. I am therefore enclosing a few of these reprints and there are a number more available if you should care for them.

At the time it is my recollection that you felt it highly desirable to have further data which would lend itself to more critical examination from a mathematical viewpoint and in order to obtain such data it would be necessary to set up a number of patients in whom blood counts could be run by several individuals in duplicate or triplicate in order to rule out observational errors and other errors inherent in the counting methods. Unfortunately, we have seen very little leukemia here in the interim period and therefore have been unable to collect such desirable data. It happens that on the tenth of December I am to give a lecture at Memorial Hospital in New York on the use of radioactive gold in the treatment of cancer in general and I shall take occasion at that time to inquire from the person in charge of the leukemia phase of their work what the possibilities of obtaining such further data might be. I should guess that from 3 to 5 patients adequately studied a sufficient amount of information might be obtained in order to make the interpretation more feasible. I shall let you know of the results of the conversation with this group. I am certainly very glad to hear of your continuing interest in the problem since the interpretation of the effect of irradiation on the hematopoietic system is certainly a moot question in present day medical circles.

With best personal wishes,

Paul F. Hahn

pfh:ywh
encl.

NEW YORK UNIVERSITY
COLLEGE OF ENGINEERING
UNIVERSITY HEIGHTS, NEW YORK 53, N.Y.

DEPARTMENT OF
INDUSTRIAL AND MANAGEMENT ENGINEERING

TELEPHONE: LUDLOW 4-0700

November 17, 1952

Dr. Norbert Wiener
Massachusetts Institute of Technology
Cambridge, Massachusetts

Dear Dr. Wiener:

It is with unusual pleasure that I am looking forward to the forthcoming ASME Annual Meeting in New York at the Statler at the start of December since I shall once again have the privilege of finding myself on the same program with you. This time, it will be twice: Tuesday, 12/2, at the 9:30 AM meeting which I have been asked to chair, and at the 8:00 PM panel session that same evening. A program for the entire convention is enclosed.

I presume that for the morning session, you will permit me to use the same introduction which your secretary was kind enough to make available to me two years ago for the SAM meeting in New York on "Cybernetics and Management."

If you need any slide or motion picture projector, visual aid or other equipment or any other facilities or operator, may I request your office to notify me of your needs as early as convenient.

Hackbrad?

The Society would like the privilege of welcoming you on Tuesday, 12/2, for the Authors' Breakfast in Parlor C of the Statler at 8:00 AM and for dinner that same day at 6:00 PM also in Parlor C. Kindly let me know whether it will be convenient for you to attend both of these functions.

I plan to stay in New York at the Statler during the night from Monday (12/1) to Tuesday (12/2) for convenience's sake. If you have nothing better or more urgent on your schedule in the event you plan to get to New York during Monday, it would be a real pleasure if I could meet you either at Grand Central or at the airport or during the evening at the Hotel because I would indeed treasure the possibility of another discussion.

With all good wishes and best regards

Sincerely yours

Alex W. Rathe

Alex W. Rathe
Associate Professor

[ans 11/20/52]

ADVANCE PROGRAM

A·S·M·E 1952

ANNUAL MEETING

Do it now, please

MEMO
Order Events Tickets p. 2

MEMO
Reserve Hotel Room p 11

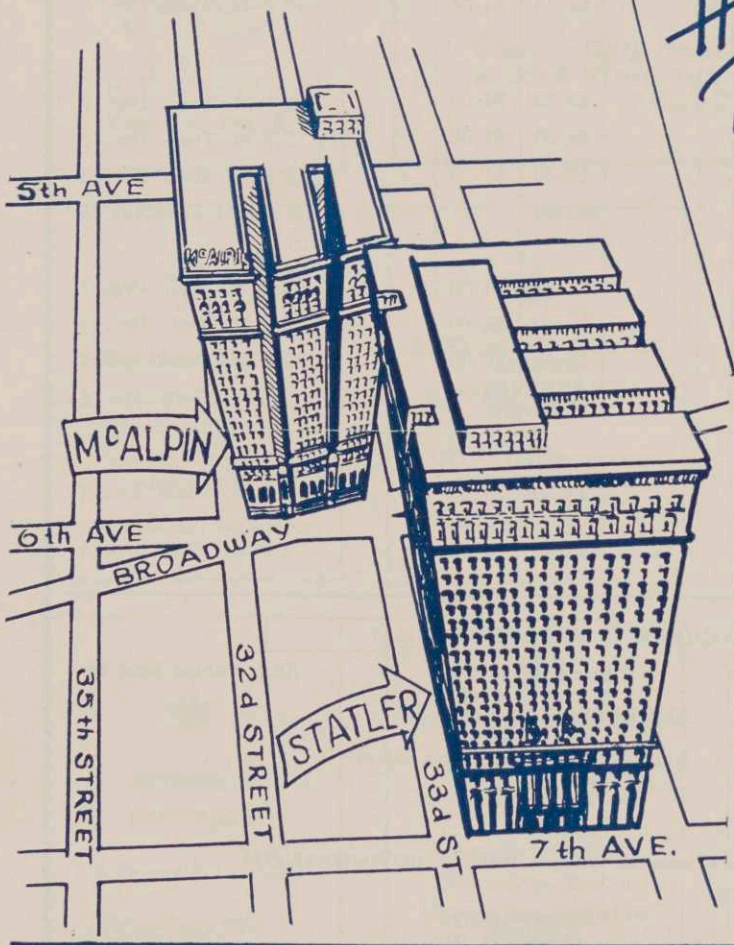
MEMO
College Reunions p 12

MEMO
Power Show p 12

MEMO
Order Preprints p 10

MEMO
Get Transportation

Annual Meeting
NOVEMBER 30, 1952
TO
DECEMBER 5, 1952



THE AMERICAN SOCIETY of MECHANICAL ENGINEERS, 29 W. 39th St., New York 18, N.Y.

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Enclosed please find check for which ☐ mail ☐ hold* tickets for events as indicated:

NAME..... COMPANY.....

STREET..... CITY..... STATE.....

* PREPAID tickets will be held at the ASME Registration Desk, Hotel Statler, New York, N. Y.

ALL TABLES AT ALL MEALS SEAT TEN (10)

Ladies are urged to attend ALL events

	Number of Tickets	Price Until Nov. 25	Price After Nov. 25	Total	No Sales or Refunds AFTER
SUNDAY, NOVEMBER 30,					
3:00 P.M. **RECEPTION AT ENGINEERING WOMAN'S CLUB** No charge					
MONDAY, DECEMBER 1					
12:15 P.M. **PRESIDENT'S LUNCHEON**	....	$3.50	$4.00	.....	12 noon Fri. Nov. 28
4:00 P.M. **TEA DANCE,** No charge					
TUESDAY, DECEMBER 2					
12:15 P.M. **HEAT TRANSFER LUNCHEON**	....	$3.50	$4.00	.....	2 P.M. Mon. Dec. 1
6:30 P.M. **HYDRAULIC OLD TIMERS DINNER**	....	$7.00	$7.50	.....	10 A.M. Tues. Dec. 2
6:30 P.M. **AVIATION DINNER**	....	$7.00	$7.50	.....	10 A.M. Tues. Dec. 2
6:30 P.M. **APPLIED MECHANICS SILVER ANNIV. DINNER** Men's Faculty Club, Columbia University	....	$3.50	$4.00	.....	10 A.M. Tues. Dec. 2
WEDNESDAY, DECEMBER 3					
12:15 P.M. **ROY V. WRIGHT LUNCHEON**	....	$3.50	$4.00	.....	2 P.M. Tues. Dec. 2
12:15 P.M. **IND. INSTRUMENTS & REGULATORS LUNCHEON**	....	$3.50	$4.00	.....	2 P.M. Tues. Dec. 2
12:15 P.M. **FUELS LUNCHEON**	....	$3.50	$4.00	.....	2 P.M. Tues. Dec. 2
6:30 P.M. **BANQUET**	....	$10.00	...	.....	12:15 P.M. Tues. Nov. 25
THURSDAY, DECEMBER 4					
12:15 P.M. **MEMBERS & STUDENTS LUNCHEON**	....	$4.00	$4.00	.....	2 P.M. Wed. Dec. 3
12:15 P.M. **WOOD INDUSTRIES LUNCHEON**	....	$3.50	$4.00	.....	2 P.M. Wed. Dec. 3
6:30 P.M. **WOOD INDUSTRIES DINNER**	....	$5.50	$6.00	.....	10 A.M. Thurs. Dec. 4
6:30 P.M. **AMERICAN ROCKET SOCIETY DINNER** Hotel McAlpin	....	$7.50	$8.00	.....	10 A.M. Thurs. Dec. 4
FRIDAY, DECEMBER, 5					
12:15 P.M. **AMERICAN ROCKET SOCIETY LUNCHEON** Hotel McAlpin	....	$3.50	$4.00	.....	2 P.M. Thurs. Dec. 4
12:15 P.M. **TEXTILE ENGINEERING LUNCHEON**	....	$3.50	$4.00	.....	2 P.M. Thurs. Dec. 4

PLEASE fill out form below for banquet seating list.
INFORMATION FOR BANQUET SEATING LIST

CHECK IS ENCLOSED FOR $ ☐

Please Print or Type

ALL Tables Seat 10

NAME..... ADDRESS.....
Last name First name Initial

COMPANY..... Names of Guests (including ladies).....

I have arranged ☐ / would like ☐ to sit at the table (seats 10) with.....

** BANQUET TICKET REFUNDS and changes in seating arrangement will not be made after 12:15 p.m. TUESDAY, NOVEMBER 25, 1952.

REGISTRATION FEES FOR TECHNICAL SESSIONS

NONMEMBER	....	$5.00	$5.00	.....
NONMEMBER STUDENT	....	$1.00	$1.00	.....

See page 11 for Hotel Reservation Form

Sheet for ASME Events

Don't Miss Any of These Featured Events

★

PRESIDENT'S LUNCHEON

"THE ASME AND THE ENGINEER"

The President, R. J. S. Pigott, Fellow, ASME

Monday, Dec. 1

★

HEAT TRANSFER LUNCHEON

"PROBLEMS IN HEAT TRANSFER APPLICATION"

W. E. Lobo
M. W. Kellogg Co.

Tuesday, Dec. 2

You Meet Old Friends

●

You Make New Friends

●

You Support Your Friend Who Has an Assignment on the DAIS

●

A Friend Is Honored by the Society You Should Be There to Applaud

●

If You Are a Member of Long Standing You Should Be One of the Unofficial Members of a Hospitality Committee to Make Newer Members Feel at Ease

●

Come! Help Your Neighbor Have a Good Time and You Will Have One Too.

★

BANQUET

Hurry! Hurry!
A very popular sellout

Wednesday, Dec. 3

★

FUELS DIVISION LUNCHEON

"FUELS IN A TECHNICAL ECONOMY"

Frederic O. Hess
Pres. Selas Corp.

Wednesday, Dec. 3

★

AVIATION DINNER

The Honorable
Roswell L. Gilpatric
Under Secy. of the Air Force

Tuesday, Dec. 2

★

APPLIED MECHANICS SILVER ANNIVERSARY DINNER

Men's Faculty Club, Columbia University

Tuesday, Dec. 2

★

ROY V. WRIGHT LUNCHEON AND LECTURE

"BUSINESS LEADERSHIP IN A DEMOCRACY"

Alfred H. Williams
Pres. Fed. Reserve Bank, Phila.

Wednesday, Dec. 3

★

IRRD LUNCHEON

"CONTROL AND COMMUNICATION"

Gerard Piel
Publisher
Scientific American

Wednesday, Dec. 3

★

STUDENTS LUNCHEON

A Perennial Favorite

Thursday, Dec. 4

★

WOOD INDUSTRIES LUNCHEON

"TRENDS IN HOUSE CONSTRUCTION"

John C. Taylor
American Houses

Thursday, Dec. 4

WOOD INDUSTRIES DINNER

Thursday, Dec. 4

★

AMERICAN ROCKET SOCIETY DINNER

Thursday, Dec. 4

AMERICAN ROCKET SOCIETY LUNCHEON

"THE CONCEPT OF MILITARY SPACE SUPERIORITY"

Wernher von Braun
Redstone Arsenal

Friday, Dec. 5

★

TEXTILE ENGINEERING LUNCHEON

"EMPLOYEES' ATTITUDES AND PRODUCTIVITY"

Douglas Williams
Pres. Douglas Williams Associates

Friday, Dec. 5

"Building for the Future of America"

Theme of 1952 ASME Annual Meeting

Hotels Statler and McAlpin, New York, N. Y., Nov. 30–Dec. 5

AVAILABLE preprints of numbered papers may be purchased from ASME Order Department, 29 West 39th Street, New York 18, N. Y. Please order by number as listed in the tentative program.

Tentative Program

MONDAY, DECEMBER 1

8:00 a.m.

Registration

9:30 a.m.

Applied Mechanics (I)

Some Problems of Orthotropic Plane Stress, by *H. D. Conway,* Cornell University (Paper No. 52—A-4)

The Stress Distributions Induced by Concentrated Loads Acting in Isotropic and Orthotropic Half Planes, by *H. D. Conway,* Cornell University. (Paper No. 52—A-14)

Pure Bending of an Incomplete Torus, by *M. A. Sadowsky* and *Eli Sternberg,* Illinois Institute of Technology. (Paper No. 52—A-17)

The Bending of a Wedge-Shaped Plate, by *S. Woinowsky-Krieger,* Laval University, Canada. (By Title)*

9:30 a.m.

Aviation (I)—Materials Handling (I)—SAE (I)—IAS (I)—NSIA (I)

Panel—Air-Cargo Terminal Requirements

The Civil Aeronautics Administration Interest, by Philip A. Hahn, Division of Airports, C.A.A.

The Large Airport Operator's Views, by *Thomas M. Sullivan,* The Port of New York Authority

The Air-Cargo Transport Manufacturer's Views, by *Herman Olson,* Douglas Aircraft Corp.

The All-Freight Operator's Views, by *F. Edward Hembree,* Flying Tiger Line, Inc.

The Combination Passenger Air-Freight Operator's Views, by *Frank W. Jones,* American Airlines

9:30 a.m.

Hydraulic (I)

Pressure Surges at Large Pump Installations, by *John Parmakian,* U. S. Bureau of Reclamation

Cavitation Tests on Hydrofoils in Cascade, by *F. Numachi,* Tohoku University, Japan. (To be presented by *Robert T. Knapp,* California Institute of Technology)

Pressure Distribution About a Single Blade of an Axial-Flow Propeller Pump, by *D. A. Morelli,* California Institute of Technology

9:30 a.m.

Heat Transfer (I)

Vorticity Heat Transfer in Molten Metals, by *R. G. Kennison,* Knolls Atomic Power Laboratory

Report on a Liquid-Metal Heat-Transfer and Steam-Generation System for Nuclear Power Plants, by *T. Trocki* and *D. B. Nelson,* Knolls Atomic Power Laboratory

Design and Performance of Liquid-Metal Heat Exchangers and Steam Generators for Nuclear Power Plants, by *R. D. Brooks* and *A. L. Rosenblatt,* Knolls Atomic Power Laboratory

* Not presented orally; preprint available.

9:30 a.m.

Fuels (I)—Power (I)

Wood Burning, by *W. L. Wagner,* Detroit Stoker Co.

Turbulence Suspension Burning of Wet Wood and Other Fuels, by *Otto de Lorenzi,* Combustion Engineering-Superheater, Inc.

Wood Burning in Central Stations, by *Ray B. Boals,* Eugene Water & Electric Board, *Dale Bumstead* and *C. D. Judson,* Bumstead-Woolford

9:30 a.m.

Process Industries (I)

Cleaning of Fluids by the Use of Ceramic Filter Media, by *George B. Jordan, Jr.,* Selas Corporation of America

Felt as a Material in Industry, by *Leon D. Gruberg*

9:30 a.m.

Gas-Turbine Power (I)

Effect of Rotary Regenerator Performance on Gas-Turbine-Plant Performance by *D. B. Harper* and *W. M. Rohsenow,* Massachusetts Institute of Technology

Rotary Regenerative Air Preheater for Gas Turbines, by *A. T. Bowden* and *W. Hryniszak,* C. A. Parsons and Co., Ltd.

9:30 a.m.

Machine Design (I)—Production Engineering (I)

Appearance Comes in Three Shades, by *Michael W. Papp,* The Warner & Swasey Co.

Oversize Problems in Producing a Large Drag-Line Excavator, by *P. H. Woods,* Bucyrus-Erie Co.

12:15 p.m.

President's Luncheon

Speaker: The President, *R. J. S. Pigott,* Fellow ASME
Subject: **The ASME and the Engineer**

2:30 p.m.

Applied Mechanics (II)

Frequencies of Longitudinal Vibration for a Slender Rod of Variable Section, by *James L. Lubkin* and *Y. L. Luke,* Midwest Research Institute (Paper No. 52—A-27)

Forced Lateral Vibration of Beams on Damped, Flexible End Supports, by *Donald F. Miller,* Westinghouse Research Laboratories. (Paper No. 52—A-23)

Stresses Due to Tangential and Normal Loads on an Elastic Solid With Application to Some Contact Stress Problems, by *James O. Smith* and *Chang Keng Liu,* University of Illinois. (Paper No. 52—A-13)

2:30 p.m.

Aviation (II)—Materials Handling (II)—SAE (II)—IAS (II)—NSIA (II)

Symposium on International Air-Cargo Trends

Air-Freight Development in Australia, by *Ian H. Grabowsky,* Australian National Airways

Air-Freight Development In Europe, by *D. Sj De Boer,* K. L. M. Royal Dutch Airlines

Transatlantic Air-Freight Development in Relation to Air Logistics, by *Ray Norden,* Seaboard & Western Airlines Inc.

2:30 p.m.

Hydraulic (II)

Electromagnetic Pumps for Liquid Metals, by *C. F. Cage, Jr.,* Knolls Atomic Power Laboratory

Mechanical Liquid Pumps for High Temperature, by *P. M. Clark,* Knolls Atomic Power Laboratory

Development of Special Pumps and Their Power-Supply Valves, Bearings, and Instrumentation for Liquid Metals, by *Edward F. Brill,* Allis-Chalmers Manufacturing Co.

2:30 p.m.

Heat Transfer (II)

2:30 p.m.

Process Industries (II)—ASRE

Noncombustion Gas Turbines, by *A. M. G. Moody,* The Trane Co., and *Karl F. Kayan,* Columbia University

Application of Electrical Analogy to Thermal Conduction Studies, by *Peter E. Davey,* General Electric Co.

NOTE: The above session will be held at the Hotel Commodore in conjunction with the ASRE Meeting.

2:30 p.m.

Gas Turbine Power (II)—Fuels (II)—Power (II)

Residual Fuel-Oil Ash Corrosion, by *B. O. Buckland, C. M. Gardiner,* and *D. G. Sanders,* General Electric Co.

The Use of Residual Fuel Oils in Gas Turbines, by *Philip Draper,* Shell Petroleum Co., Ltd.

2:30 p.m.

Machine Design (II)—Production Engineering (II)

Design of Shrink Fits, by *Paul R. Paslay,* The Rice Institute, and *Robert Plunkett,* General Electric Co.

Investigation of Cemented Tungsten Carbide as a Bearing Material in the Medium-Speed Range Using Different Lubricating Oils, by *J. S. Kozacka,* University of Illinois, *H. A. Erickson, D. A. Stuart Oil Co., H. W. Highriter,* Vascoloy-Ramet Corp., and *A. F. Gabriel,* Acme Industrial Co.

8:00 p.m.

Applied Mechanics (III)

Influence Coefficients of Tapered Cantilever Beams Computed on SEAC, by *Samuel Levy,* National Bureau of Standards. (Paper No. 52—A-25)

Nonlinear Distribution of Bending Stresses Due to Distortion of the Cross Section, by *H. H. Bleich,* Columbia University. (Paper No. 52—A-7)

Deflections of Circular Beams Resting on Elastic Foundation Obtained by Methods of Harmonic Analysis, by *E. G. Volterra,* Rensselaer Polytechnic Institute. (Paper No. 52—A-16)

8:00 p.m.

Aviation (III)—Materials Handling (III)—SAE (III)—IAS (III)—NSIA (III)

Symposium on Air Transportability

Air Transportability in the Fleet Logistics Air Wing, by *Joseph J. Taylor,* Fleet Logistics Air Wing, Atlantic Continental

Air Transportability With Troop Carrier, by *Robert W. Douglass, Jr.,* Donaldson Air Force Base.

Air Transportability With Mats, by *Joseph Smith,* Andrews Air Force Base

Air-Transportability Capabilities of the Commercial-Freight Carrier, by *Thomas L. Grace,* Slick Airways, Inc.

8:00 p.m.

Junior (I)—Management (I)

Professional Development and the Young Engineer, by *D. Jahncke,* Ford Motor Co.

Computing Machines and the Future of the Engineer, by *Walter Pitts,* Massachusetts Institute of Technology

Operation Research, by *John B. Lathrop,* Arthur D. Little Inc.

8:00 p.m.

Metals Engineering (I)

Asarco Continuous Cast Bearing Bronzes, by *J. S. Smart, Jr.,* American Smelting and Refining Co., and *Paul J. Kranz,* American Smelting & Refining Co.

Effect of Gating Design on Casting Quality, by *S. C. Massari,* American Foundrymen's Society. (35-minute motion picture in color together with introductory remarks.)

8:00 p.m.

Fuels (III)—Power (III)—Machine Design (III)—Low-Temperature Flue Gas

Air-Preheater Design as Affected by Fuel Characteristics, by *W. E. Hammond,* and *Hilmer Karlsson,* The Air Preheater Corp.

Tubular Air-Heater Problems, by *George Parmakian* and *E. F. Rothemich,* Riley Stocker Corp.

TUESDAY, DECEMBER 2

8:00 a.m.

Registration

9:30 a.m.

Applied Mechanics (IV)

On a General Method of Solving Second Ordinary Differential Equations by Phase-Plane Displacements, by *Lydik S. Jacobsen,* Stanford University. (Paper No. 52—A-1)

On an Iterative Method for Nonlinear Vibrations, by *Robert E. Roberson, Jr.,* North American Aviation, Inc. (Paper No. 52—A-20)

On the Application of Impedance Method to Continuous Systems, by *Paul F. Chenea,* Purdue University. (Paper No. 52—A-28)

9:30 a.m.

Aviation (IV)—Machine Design (IV) Metals Engineering (II)—SAE (IV) AIME (I)—IAS (IV)

Requirements for Large (Light Metal) Forgings and Extrusions in the Aircraft Industry, by *George W. Papen,* Lockheed Aircraft Corp.

The Design and Construction of Large Forging and Extrusion Presses for Light Metals, by *Morris Stone,* United Engineering and Foundry Co.

Metallurgy and Production and Suitable Light-Metal Ingots for Large Forgings and Extrusions, by *Thomas L. Fritslen,* Reynolds Metals Co.

9:30 a.m.

Hydraulic (III)

Modern Trends in Hydraulic Turbine Design in Europe, by *George A. Bovet,* Charmilles Engineering Works, Ltd.

The Design and Calibration of a New Cavitation Laboratory for Hydraulic Turbines, by *Hans Ulmann* and *R. S. Sproule,* Dominion Engineering Works, Ltd.

9:30 a.m.

Heat Transfer (III)

Symposium on Materials Problems in Heat Exchanger Design

An Evaluation of the Properties of Weld Metal for Fabricating Heat Exchangers and Vessels for Low-Temperature Service, by *Robert W. Bennett,* American Locomotive Co.

Heat-Exchanger Forgings for Low-Temperature Service, by *Henry Holtz* and *Frank S. G. Williams,* Taylor Forge & Pipe Works

Test on Fabricated Spherically Dished Floating Cover for Heat Exchanger, by *Gunnar Sunde* and *Olaf A. Sundholm,* M. W. Kellogg Co.

Protection of Heat-Exchanger Channels and Covers From Corrosion by Salt Water, by *Wilfred J. Danziger* and *Olaf A. Sundholm,* M. W. Kellogg Co.

9:30 a.m.

Management (II)—IIRD (I)—Materials Handling (IV)—Safety (I)—Production Engineering (III)—Junior (II)

Progress in Automatic Production, by *H. L. Waddell,* editor, *Factory Management and Maintenance*

The Formal Concepts of Automatic Production, by *Norbert Wiener,* Massachusetts Institute of Technology

9:30 a.m.

Fuels (IV)—Power (IV)

Combustion of Pulverized Coal in Water-Cooled Radiant Tubes, by *R. A. Sherman,* Battelle Memorial Institute, *T. R. Sawyer,* Steam Locomotive Research Institute Inc., and *G. E. Keinath,* Battelle Memorial Institute

Registration Schedule

Sun. Nov. 30	2:00 p.m. to 5:00 p.m.
Mon. Dec. 1	8:00 a.m. to 8:00 p.m.
Tues. Dec. 2	8:00 a.m. to 8:00 p.m.
Wed. Dec. 3	8:00 a.m. to 4:00 p.m.
Thur. Dec. 4	8:00 a.m. to 8:00 p.m.
Fri. Dec. 5	8:00 a.m. to 3:00 p.m.

FEES FOR NONMEMBERS

A registration fee of $5 will be charged nonmembers attending the 1952 Annual Meeting of The American Society of Mechanical Engineers. The fee for student nonmembers will be $1.

The following nonmembers will be exempt from the payment of the registration fee

- Immediate family of member (any grade)
- Authors listed in the program or their appointed representatives
- Invited discussers
- Session chairmen and vice-chairmen
- Committeemen required to attend a meeting of their committee
- Session aides
- Members of the ASME Woman's Auxiliary
- Members of the Engineering Institute of Canada
- Members of societies listed in the program
- Distinguished guests invited by the President or Secretary

The Annual Business Meeting of the members of The American Society of Mechanical Engineers will be held on Monday afternoon, December 1, 1952, at 5:00 p.m., Hotel Statler, New York, New York, as a part of the Annual Meeting of the Society.

Members are urged to attend.

The Development of a Vaporizing Oil Burner, by *J. A. Johnson* and *E. H. Eustis,* Thermal Research & Engineering Corp.

Pulverized-Coal Gasification—Ruhrgas Processes, by *Kurt Traenckner,* Essen, Germany

9:30 a.m.

Gas Turbine Power (III)

Some Considerations in the Installation of the Gas Turbine in a Closed Compartment, by *L. W. Shallenberg, J. O. White* Mechanical Laboratory, and *K. E. Schlachter,* U. S. Naval Engineering Experiment Station

Closed-Cycle Air-Turbine Plant, by *S. T. Robinson,* Sanderson & Porter

12:15 p.m.

Heat Transfer Luncheon

Presiding: *A. C. Mueller,* E. I. du Pont de Nemours & Co., Wilmington, Del.

Speaker: *W. E. Lobo,* director of Chemical-Engineering Division, M. W. Kellogg Co., New York, N. Y.

Subject: **Problems in Heat-Transfer Application**

1:30 p.m.

Fuels (V)—Power (V)—Air Pollution Controls

Recent Developments and Progress in Air-Pollution Abatement, by *A. D. Brandt,* Bethlehem Steel Co.

Health Aspects, by *R. A. Kehoe,* University of Cincinnati

Air Pollution Indicated by Symptoms on Vegetation, by *P. W. Zimmerman,* Boyce Thompson Institute

Some Legal Aspects of Air Pollution Abatement, by *F. L. Seamans* and *Smith Buchanan,* Ingersoll, Rodewald & Eckert

Stack Diffusion, by *E. W. Hewson,* Massachusetts Institute of Technology

Engineering and Management, by *G. F. Jenkins* Carbide & Chemical Corp.

Sampling and Measurement, by *L. Silverman,* Harvard School of Public Health

Industrial Experiences in Fly-Ash Collections, by *B. S. Norling,* E. I. du Pont de Nemours & Co., Inc.

2:30 p.m.

Applied Mechanics (V)

The End Problem of Rectangular Plates, by *Gabriel Horvay,* General Electric Co. (Paper No. 52—A-2)

An Invarient Membrane Stress Function for Shells, by *H. L. Langhaar,* University of Illinois (Paper No. 52—A-18)

On the Plastic Strains in Slabs With Cutouts, by *P. G. Hodge, Jr.,* University of California (Paper No. 52—A-22)

Responses of an Elastic Cylindrical Shell to a Transverse, Step Shock Wave. (By Title)* by *Raymond D. Mindlin* and *H. H. Bleich,* Columbia University (Paper No. 52—A-19)

2:30 p.m.

Aviation (V)—Machine Design (V)—Metals Engineering (III)—Production Engineering (IV)—AIME (II)—IAS (V)—SAE (V)

The Large Forging Press Operation and Its Production Problems, by *George W. Motherwell,* Wayman Gordon Company

The Large Extrusion Press and Its Production Problems, by *T. F. McCormick,* Aluminum Company of America

2:30 p.m.

Heat Transfer (IV)

Panel Discussion on Heat Exchangers

Chemical-Plant Heat Exchangers, by *W. R. Meyers,* E. I. du Pont de Nemours & Co., Inc.

Petroleum-Refinery Heat Exchangers, by *M. S. Northrup,* Standard Oil Development Co.

Feed-Water Heaters, by *A. I. Ponamareff,* Westinghouse Manufacturing Co.

Welding and Brazing Tubes to Tubes Sheets, by *J. R. Hunter,* Westinghouse Electric Corp.

Code Compliances Associated With Problems in Heat-Exchanger Design, by *T. H. Miley,* Foster Wheeler Corp.

2:30 p.m.

IIRD (II)—Management (III)—Materials Handling (V)—Safety (II)—Junior (III)

Formalized Theory of Material Transfer Between Steps in an Automatic Process, by *Donald Campbell,* Massachusetts Institute of Technology

Computer and Simulation Techniques in Process Control, by *John F. Bishop, Jr.* Beckman Instruments Inc.

Approaching the Control Problem for the Automatic Chemical or Petroleum Plant, by *M. V. Long* and *E. G. Holzmann,* Shell Development Co.

2:30 p.m.

Oil & Gas Power (I)—Railroad (I)

Crankcase Explosions, by Experimental Dept., Fairbanks Morse Co.

Combustion of a Low-Volatility Fuel in a Turbo-Jet Combustion Chamber—Effects of Fuel Vaporization, by *Phil Myers,* University of Wisconsin

2:30 p.m.

Gas Turbine Power (IV)

Temperature and Gas-Analysis Surveys in the Combustion Zone of Gas-Fired Gas-Turbine Combustors, by *R. L. Ricke,* Westinghouse Research Laboratory

Fuel-Spray Examination Methods, by *F. C. Engel,* Westinghouse Research Laboratory

Industrial-Type Oil- and Gas-Fired Combustion Chambers, by *Samuel Letvin,* Thermo Products Inc.

6:30 p.m.

Hydraulic Old Timers Dinner

Presiding: *Andrew Liston,* Manager Hydraulic Turbine Dept., Baldwin-Lima-Hamilton Corp. Philadelphia, Pa.

* Not presented orally. Preprints available at preprint desk.

7:30 p.m.

Applied Mechanics Silver Anniversary Dinner

7:00 p.m.

Aviation Dinner

Presiding: *J. Carlton Ward, Jr.* Special Consultant

Speaker: The Honorable *Roswell L. Gilpatric*, Under Secretary of the Air Force.

Subject: **The History of the Inception of the Large Forging and Extrusion Program for the Aircraft Industry and Its Vital Importance to the National Defense Program for the United States**

8:00 p.m.

Management (IV)—IIRD (III)—Materials Handling (VI)—Safety (III)—Production Engineering (V)—Junior (IV)

Panel

Economic, Social, and Technical Aspects of the Automatic Factory

Social Considerations in Planning the Automatic Factory, by *Norbert Weiner* Massachusetts Institute of Technology

Panel Members

John F. Bishop	Beckman Instruments, Inc.
Donald P. Campbell	Massachusetts Institute of Technology
Marion V. Long	Shell Development Co.
T. A. Marshall, Jr.	Engineering Manpower Commission
C. E. Mason	Bristol Co.
G. M. Muschamp	Minneapolis-Honeywell Regulator Co.
H. L. Waddell	*Factory Management and Maintenance*
Alex Rathe	New York University
A. F. Sperry	Panellit, Inc.

8:00 p.m.

Oil & Gas Power (II)

Panel

(General Technical Committee)

8:00 p.m.

Fuels (VI)

Industrial Application of Ignition Arches for Single-Retort Stokers, by *T. S. Spicer*, Pennsylvania State College.

Present-Day Thoughts on Application of Single-Retort Underfeed Stokers, by *D. J. Mosshart*, Westinghouse Electric Corp.

Single-Retort Underfeed Stokers, by *E. C. Webb* and *J. E. Atchison*, Iron Fireman Manufacturing Company

8:00 p.m.

Power (VI)

Quick Starting of Large High-Pressure, High-Temperature Boilers, by *J. C. Falkner*, Consolidated Edison Co. of New York

Controlled Starting of Steam Turbines, by *R. L. Reynolds*, Westinghouse Electric Corp.

Discussion of Quick Starting of Boilers, by *W. H. Rowand*, The Babcock & Wilcox Co.

Discussion on Quick Starting of Steam Turbines, by *Carl Schablach*, General Electric Co.

Discussion on Quick Starting of Steam Generators, by *B. J. Cross*, Combustion Engineering-Superheater Inc.

Discussion on Quick Starting of Boilers, by *A. R. Weismantle*, Foster Wheeler Corp.

Discussion on Quick Starting of Steam Turbines, by *C. D. Wilson*, Allis-Chalmers Manufacturing Company

8:00 p.m.

Machine Design (VI)

Design of Servo Gear Trains to Minimize Reflected Inertia, by *Paul Brock* (to be presented by Frank R. Bradley, Hillyer Instrument Co., Inc.)

The Motion of a Link Chain Over a Roller, by *A. E. Richard de Jonge*, New York, N. Y.

WEDNESDAY, DECEMBER 3

8:00 a.m.

Registration

9:30 a.m.

Applied Mechanics (VI)

The Necking and the Rupture of Rods Subjected to Constant Tensile Loads, by *Nicholas J. Hoff*, Polytechnic Institute of Brooklyn (Paper No. 52—A-11)

The Origin of Damping in High-Strength Ferromagnetic Alloys, by *A. W. Cochardt*, Westinghouse Research Laboratories (Paper No. 52—A-21)

Effect of Damping Constants and Stress Distribution on the Resonance Response of Members, by *B. J. Lazan*, University of Minnesota (Paper No. 52—A-8)

9:30 a.m.

Hydraulic (IV)

Shaft Seals as Applied to Centrifugal and Axial-Flow Compressors, Panel Discussion covering design, selection, and operation by representatives of manufacturers and users of compressors

9:30 a.m.

Heat Transfer (V)—IIRD(IV)

Limits of Accuracy of Electrical-Analog Circuits Used in the Solution of Transient Heat-Conduction Problems, by *E. O. P. Klein, Y. S. Touloukian*, and *J. R. Eaton*, Purdue University

Heat-Transfer Measurements by the Method of Cyclic Temperature Variations, by *R. E. Grimble* and *S. L. Fawcett*, Battelle Memorial Institute

A Thermocouple for Measuring Transient Temperatures, by *D. Bendersky*, Midwest Research Institute.

Official Notice

ASME BUSINESS MEETING

The Annual Business Meeting of the members of The American Society of Mechanical Engineers will be held on Monday afternoon, December 1, 1952, at 5:00 p.m., Hotel Statler, New York, New York, as a part of the Annual Meeting of the Society. Members are urged to attend.

9:30 a.m.

Management (V)—Junior (V)

Panel

1952 ASME 10-Year Progress in Management Report

Harold F. Smiddy	General Electric Co.
Phil Carroll	Maplewood, N. J.
Erwin H. Schell	Massachusetts Institute of Technology
Robert T. Livingston	Columbia University
Harold V. Coes	National Management Council

9:30 a.m.

Metals Engineering (IV)—Machine Design (VII)—Aviation (VI)

Design and Analysis Features of the World's Largest Forging Press, by *Fred T. Morrison*, Lowey Construction Co., and *Roland D. Sturm*, Alabama Polytechnic Institute

The Effect of Stress Amplitude on Statistical Variability in Fatigue Life of 75 S-T6 Aluminum Alloy, by *G. M. Sinclair* and *Thomas J. Dolan*, University of Illinois

9:30 a.m.

Power (VII)

Latest Practice in Europe for Planning and Operating High-Pressure Plants Equipped With Monotube Boilers, by *J. Gastpar*, Sulzer Brothers, Ltd.

Design Formulas for High-Temperature, High-Pressure Piping, by *F. S. G. Williams*, Taylor Forge & Pipe Works

9:30 a.m.

Gas Turbine Power (V)—Oil & Gas Power (III)—Fluid Meters (I)

Energy Flow and Conversion, by *N. P. Bailey*, Rensselaer Polytechnic Institute

9:30 a.m.

Safety (IV)

Control of Static Electricity, by *Robin Beach*, Robin Beach Engineer Assoc.

Is Your New Product Safe? by *J. V. Grimaldi*, Association of Casualty and Surety Companies

Material Handling, by *Jervis C. Webb*, Jervis B. Webb Co.

9:30 a.m.

Materials Handling (VII)—Railroad (II)

Development of Wage-Incentive Standards for a Warehousing and Shipping Operation, by *Paul J. MacCutcheon*, The Nestle Co.

The Techniques for the Development of Time Standards for Materials Handling and Indirect Labor Situation, by *W. J. Richardson*, Lehigh University

Standard Performance Time Studies for Fork Truck Operation (a current research project). To be announced.

9:30 a.m.

Cutting Fluids (I)—Metal Cutting (I)—Production Engineering (VI)

Grinding and Lapping Stresses in Manganese Oil Hardening Tool Steel, by *H. R. Letner* and *H. J. Snyder*, University of Pittsburgh

Metal-Cutting Behavior of Titanium, by *L. V. Colwell*, University of Michigan, and *W. C. Truckenmiller*

Surface Temperatures in Steel Workpiece, by *A. O. Schmidt*, Kearney & Trecker Corp.

12:15 p.m.

Roy V. Wright Lecture

Speaker: *Alfred H. Williams*, President, Federal Reserve Bank of Philadelphia

Subject: **Business Leadership in a Democracy**

12:15 p.m.

Fuels Division Luncheon

Presiding: *W. E. Reaser*, associate professor, mechanical-engineering division, Princeton University

Speaker: *Frederic O. Hess*, president, Selas Corporation of America, Philadelphia, Pa.

Subject: **Fuels in a Technical Economy**

IIRD Luncheon

Presiding: *W. G. Brombacher*

Speaker: *Gerard Piel*, publisher, *Scientific American*

Subject: **Control and Communication**

2:30 p.m.

Applied Mechanics (VII)—SESA

Elastic Waves Created During Tensile Fracture, by *Julius Miklowitz*, U. S. Naval Ordnance Test Station. (Paper No. 52—A-10)

Natural Frequencies of Twisted Cantilever Beams, by *D. D. Rosard*, Westinghouse Electric Corp. (Paper No. 52—A-15)

An Experimental Study of the Propagation of Transient Longitudinal Deformations in Elasto-Plastic Media, by *D. A. Stuart* and *E. J. Sternglass*, Cornell University

2:30 p.m.

Hydraulic (V)—Gas Turbine Power (VI)

Three-Dimensional Flow Theory of Axial-Flow Compressors, by *George F. Wislicenus*, Johns Hopkins University

Some NACA Research on Centrifugal Compressors, by *A. Johnsen* and *Ambrose Ginsberg*, Lewis Flight Propulsion Laboratory

2:30 p.m.

Heat Transfer (VI)

Mach-Zehnder Interferometer Applications in the Study of Convection and Conduction Heat-Transfer Systems, by *C. D. Coulbert*, University of California. (To be presented by *Myron Tribus*, Engineering Research Institute.) (Paper No. 52—A-9)

Local Heat-Transfer Coefficients on the Surface of an Elliptical Cylinder, Axis Ratio 1:3, in a High-Speed Air Stream, by *R. J. Drake, Jr., R. A. Seban, D. S. Doughty*, and *S. Levy*, University of California

ASME 1952 ANNUAL MEETING

Tentative Program in Brief

HOTELS STATLER & McALPIN — NEW YORK, N. Y.

	MONDAY—December 1	TUESDAY—December 2	WEDNESDAY—December 3	THURSDAY—December 4	FRIDAY—December 5
8:00 a.m.	Registration	Registration	Registration	Registration	Registration
9:30 a.m.	Applied Mechanics I Avia. I—Mat'l Hand. I—IAS I—SAE I—NSIA I Hydraulic I Heat Transfer I Fuels I—Power I Process Indus. I Gas Turb. Power I Mach. Des. I—Prod. Engrg. I	Applied Mechanics IV Avia. IV—Mach. Des. IV—Metals Engrg. II—SAE IV—AIME I—IAS IV Hydraulic III Heat Transfer III Management II—IIRD I—Mat'l Hand. IV—Safety I—Prod. Engrg. III—Junior II Fuels IV—Power IV Gas Turb. Power III	Applied Mechanics VI Hydraulic IV Heat Transfer V—IIRD IV Management IV—Junior V Metals Engrg. IV—Mach. Des. VII—Avia. VI Power VII Gas Turb. Power V—Oil & Gas Power III—Fluid Meters I Safety IV Mat'l Hand. VII—Railroad II Cutting Fluids I—Metal Cutting I—Production Engrg. VI	Applied Mechanics VIII Railroad IV Wood Indus. I—FPRS I Education II—Mgt. VII—Junior VII Boiler Feedwater Studies Fluid Meters III Power IX—Fuels VIII Gas Turb. Power VII—Hydraulic VI Lubrication II—Mach. Des. VIII Rubber & Plastic I American Rocket Soc. II	Textile Engineering I Wood Indus. III—FPRS III Power XII—Mach. Des. XI Rubber & Plastic III American Rocket Society IV Prod. Engrg. X Lubrication V
12:15 p.m.	President's Luncheon	Heat Transfer Luncheon	IIRD Luncheon Fuels Division Luncheon Roy V. Wright Luncheon	Members and Students Luncheon Wood Industries Luncheon	American Rocket Society Luncheon Textile Engineering Luncheon
1:30 p.m.		Fuels V—Power V—Air Pollution Controls	Applied Mechanics VII—SESA Hydraulic V—Gas Turb. Power VI Heat Transfer VI Mgt. VI—Junior VI IIRD V—Fluid Meters II Oil & Gas Power IV—Railroad III—Lubrication I—ASTM Metals Engrg. V Fur. Performance Factors—Fuels VII Hi Temp. Steam Gen.—Power VIII—Eff. of Temp. Metals American Rocket Society I Prod. Engrg. VII—Education I	Railroad V—Gas Turb. Power VIII—AIEE Wood Indus. II—FPRS II Education III Fluid Meters IV Power X Mach. Des. IX Cutting Fluids II—Metal Cutting II—Prod. Engrg. VIII—Lubr. III Rubber & Plastic II American Rocket Society III	Textile Engineering II—Mgt. IX Wood Indus. IV—FPRS IV Power XIII—Mach. Des. XII—Lubrication VI Rubber & Plastic IV American Rocket Society V Production Engrg. XI
2:30 p.m.	Applied Mechanics II Avia. II—Mat'l Hand. II—IAS II—SAE II—NSIA II Hydraulic II Heat Transfer II Process Indus. II—ASRE Gas Turb. Power II—Power II—Fuels III Mach. Des. II—Prod. Engrg. II	Applied Mechanics V Avia. V—Mach. Des. V—Metals Engrg. III—Prod. Engrg. IV—AIME II—IAS V—SAE V Heat Transfer IV IIRD II—Mgt. III—Mat'l Hand. V—Safety II—Junior III Oil & Gas Power I—Railroad I Gas Turb. Power IV			
4:30 p.m.	Tea Dance				
5:00 p.m.	Business Meeting			Wood Industries Dinner American Rocket Society Dinner	
6:30 p.m.		Hydraulic Old Timers Dinner App. Mech. Silver Anniv. Dinner Aviation Dinner			
8:00 p.m.	Applied Mechanics III Avia. III—Mat'l Hand. III—IAS III—SAE III—NSIA III—Junior I—Mgt. I Metals Engr. I Fuels III—Power III—Mach. Des. III—Low Temp. Flue Gas	Mgt. IV—IIRD III—Mat'l Hand. VI—Safety III—Prod. Engrg. V Junior IV Oil & Gas Power II Fuels VI Power VI Mach. Des. VI		Fluid Meters V Power XI—Mgt. VIII Mach. Des. X Cutting Fluids III—Metal Cutting III—Prod. Engrg. IX Lubrication IV	

OBS: 250 8/18/52

2:30 p.m.

Management (VI)—Junior (VI)

A Theory of Decision-Making in Management, by *Robert T. Livingston* and *David B. Hertz*, Columbia University

The Modern Theory of Communication, by *Brackway McMillan*, Bell Telephone Laboratories

2:30 p.m.

IIRD (V)—Fluid Meters (II)

True Mass-Rate Flowmeter, by *Y. T. Li*, Massachusetts Institute of Technology

Optimum Three-Mode Controller Setting for Automatic Start-Up, by *D. W. Pessen*, Minneapolis-Honeywell Regulator Co.

Analogy Between Hydraulic and Electric Drives in Servomechanisms, by *L. Gould* and *Yaohan Chu*, Massachusetts Institute of Technology

2:30 p.m.

Oil & Gas Power (IV)—Railroad (III) Lubrication (I)—ASTM

Diesel Maintenance-Control by Spectrographic Means, by *Harold R. Sennstrom*, American Locomotive Co.

Diesel Lubricating-Oil Performance as Related to the Electron Microscope, by *Ray McBrian*, Denver and Rio Grande Western Railroad

2:30 p.m.

Metals Engineering (V)

The Importance of Carbon in Ferrous Metals for Engineers, by *H. K. Ihrig* and *John T. Jarman*, Allis-Chalmers Manufacturing Co.

On the Validity of Assumptions Made in the Theories of Plastic Flow of Metals, by *J. Marin* and *L. W. Hu*, Pennsylvania State College

Metals Joining in the Transformer Industry, by *Lawrence D. Jennings*, Westinghouse Electric Corp.

2:30 p.m.

Furnace Performance Factors—Fuel (VII)

Furnace Heat Absorption in a Spreader-Stoker-Fired Steam Generator, Part 1—Furnace Heat-Absorption Efficiency as Shown by Enthalpy of Gases Leaving the Furnace, by *J. W. Myers* and *R. C. Corey*, United States Bureau of Mines.

Furnace Heat Absorption in a Spreader-Stoker-Fired Steam Generator, Part 2—Variation in Furnace Heat-Absorption as Shown by Measurement of Temperature of Exposed Side of Furnace Tubes, by *F. G. Feeley, Jr.*, Union Carbide and Carbon Corp., and *Earle C. Miller*, Riley Stoker Corp.

Radiant Heat Transfer Vs. Wall-to-Tube Spacing in Radiant Superheaters, by *Robert Reed*, John Zink Co.

2:30 p.m.

High Temperature Steam Generation—Power (VIII)—Effect of Temperature on Metals

Laboratory Investigation of Superheater Tubing Materials in Contact With Synthetic Combustion Atmospheres at 1350 F, by *C. J. Slunder, A. M. Hall*, and *J. H. Jackson*, Battelle Memorial Institute.

Resistance of Cast-Fe-Cr-Ni Alloys to Corrosion in Oxidizing and Reducing Flue-Gas Atmospheres, by *J. H. Jackson, C. J. Slunder*, Battelle Memorial Institute, *J. T. Gow*, Electric Steel Foundry Co., and *O. E. Harder*, Battelle Memorial Institute.

Corrosion of Mercury Boiler Tubes During Combustion of Heavy Residual Oil, by *A. M. Hall*, Battelle Memorial Institute, *D. Douglas*, Hartford (Conn.) Electric Light Co., and *J. H. Jackson*, Battelle Memorial Institute

Thermal Shock and Other Comparison Tests of Austenitic and Ferritic Steels for Main Steam Piping—A Summary Report, by *W. G. Schreitz* and *W. C. Stewart*, U. S. Naval Engineering Experiment Station

2:30 p.m.

Production Engineering (VII)—Education (I)

The Fifth Year and Thesis Programs at General Motors Institute, by *Charles J. Tutt, Jr.*, General Motors Institute

Guideposts in Production Engineering Education, by *Seymour Mellman*, Columbia University

2:30 p.m.

American Rocket Society (I)

A Survey of Combustion Instability in Liquid-Propellant Rocket Engines, by *R. S. Levine* and *R. B. Lawhead*, North American Aviation, Inc.

A Simplified Combustion-Analysis System, by *R. Neumann, D. Dembrow, W. Berl*, and *R. Prescott*, Johns Hopkins University

Combustion Studies in Rocket Motors, by *K. Berman* and *S. H. Cheney*, General Electric Co.

7:30 p.m.

Banquet

THURSDAY, DECEMBER 4

8:00 a.m.

Registration

9:30 a.m.

Applied Mechanics (VIII)

On Turbulent Flow Between Parallel Plates, by *S. I. Pai*, University of Maryland (Paper No. 52—A-5)

Water-Channel Analog to High-Velocity Combustion by *A. K. Oppenheim*, University of California (Paper No. 52—A-3)

Unsteady Radial Flow of Gas Through Porous Media, by *R. Jenkins* and *J. S. Aronofsky*, Magnolia Petroleum Co.

9:30 a.m.

Railroad (IV)

Survey—Progress in Railway Mechanical Engineering, 1951–1952, by *T. F. Perkinson*, General Electric Co.

A Method for Determining Stresses and Vibration Data in Brake Beams Under Actual Operating Conditions, by *R. B. Cottrell*, American Steel Foundry. (Paper No. 52—A-11)

9:30 a.m.

Wood Industries (I)—FPRS (I)

Control of Sunken Glue Joints, by *F. M. Selbe*, Forest Products Laboratory

Cutting-Knife Problems, by *L. A. Patronsky*

Contour Sanding, To be announced

Surface Sanding, by *G. De Nambo*

9:30 a.m.

Education (III)—Management (VII)—Junior (VII)

The Professional Man and His Lay Client, by *C. J. Freund*, University of Detroit

Developing Professional Consciousness in the Young Engineer in Industry, by *R. E. Burton*, E. I. du Pont de Nemours & Co., Inc.

9:30 a.m.

Boiler-Feedwater Studies

Contamination of Condensate by Heat-Exchanger Tube Alloys, by *J. D. Ristroph*, Virginia Electric & Power Co., and *E. B. Powell*, Stone & Webster Engineering Corp.

Experimental Studies of Boiler-Tube Metal Temperatures, by *C. Jacklin*, National Aluminate Corp.

Conversion of a Two-Stage Hot-Process Water Softener From Hot Lime-Soda-Phosphate to Hot Lime-Zeolite, by *G. H. Gowdy*, The Negea Service Corp. of the New England Gas & Electric System, *S. B. Applebaum*, Cochrane Corp.

9:30 a.m.

Fluid Meters (III)

The Venturi as a Meter for Gas-Solids Mixtures, by *Leonard Farbar*, University of California

Experimental Evaluation of Expansion Factors for Steam, by *J. W. Murdock* and *C. J. Folts*, U. S. Naval Boiler and Turbine Laboratory Naval Base

9:30 a.m.

Power (IX)—Fuels (VIII)

Recent Development in the Use of Pellets for the Removal of Slag Deposits in Boiler Furnaces, by *W. F. Cantieri*, Diamond Power Specialty Corp.

The Use of Additives to Reduce Oil-Slag Deposits, by *E. C. Huge*, The Babcock & Wilcox Co., and *Robert B. Lee*, Florida Power & Light Co.

9:30 a.m.

Gas Turbine Power (VII)—Hydraulics (VI)

Panel

Thermodynamics of Turbomachines, by *A. J. Stepanoff*, Ingersoll Rand Co.

Aerodynamic Design of Efficient Two-Dimensional Channels, by *J. D. Stanitz*, Lewis Flight Propulsion Laboratory

9:30 a.m.

Lubrication (II)—Machine Design (VIII)

Panel

High Lead-Content Bearings, by

Earl Jackson	General Electric Co.
E. Crankshaw	The Cleveland Graphite Bronze Co.
John Boyd	Westinghouse Electric Corp.
A. F. Underwood	General Motors Corp.

9:30 a.m.

Rubber & Plastics (I)

Mechanical Properties of Hypalon S-2, by *A. Stockfleth*, E. I. du Pont de Nemours & Co., Inc.

Mechanical Applications of Flowed-In Gaskets, by *W. M. Rand, Jr.*, Dewey and Almy Chemical Co.

The Room-Temperature Compounding Process, by *W. B. Wines*, Western Electric Co.

9:30 a.m.

American Rocket Society (II)

Ignition of Fuel With Nitric Acid, by *K. C. Halliday*, Bendix Aviation Corp.

Chemical Kinetics and Heat Transfer in Rocket Motors, by *H. Wise*, California Institute of Technology

The Effect of Chemical Reactions Upon Predicted Performance of Rocket Motors, by *R. F. Potter*, Bell Aircraft Corp.

The Nitric Acid-Ammonia Propellant Combination for Rockets, by *R. J. Thompson*, M. W. Kellogg Co.

12:15 p.m.

Members & Students Luncheon

12:15 p.m.

Wood Industries Luncheon

Presiding: *Frank Parrish*

Speaker: *John C. Taylor*, American Houses

Subject: **Trends in House Construction**

2:30 p.m.

Railroad (V)—Gas Turbine Power (VIII)—AIEE

Gas-Turbine Electric Locomotives on the Union Pacific, by *A. H. Morey*, General Electric Co., and *F. Fahland*, Union Pacific Railroad Co.

Operation of Westinghouse-Baldwin Gas-Turbine Locomotive, by *T. L. Weybrew, C. Kerr, Jr.*, and *T. J. Puls*, Westinghouse Electric Corp.

2:30 p.m.

Wood Industries (II)—FPRS (II)

The General Finishing Picture, by *Thomas Kelly*

Alkyd Resins, by *W. S. Robertson*, E. I. du Pont de Nemours & Co., Inc.

Lacquer Finishes, by *F. H. Thomas*, Sherwin Williams Co.

New Finishing Materials, by *W. A. McKim*, Reliance Varnish Co.

2:30 p.m.

Education (III)

Panel—Industry's Stake in the Secondary School

M. D. Hooven	Public Service Gas & Electric Co.
J. H. Davis	Stevens Institute of Technology
Morris Meister	Bronx High School of Science

Fluid Meters (IV)

2:30 p.m.

Symposium

Inferential Flowmeter Measuring Tolerances and Errors, by *Andre L. Jorrissen*, Cornell University

Discussers

I. O. Miner	Builders-Providence Inc.
L. K. Spink	The Foxboro Company
H. S. Bean	U. S. Department of Commerce
R. E. Sprenkle	Bailey Meter Co.
W. S. Pardoe (Retired)	Merion Station, Pa.

2:30 p.m.

Power (X)

Panel

2:30 p.m.

Machine Design (IX)

Multiple Pressures in a Single Hydraulic Circuit, by *H. L. Stewart*, Logansport Machine Co., Inc.

Lateral Forces on Hydraulic Pistons, by *J. F. Blackburn*, Massachusetts Institute of Technology

2:30 p.m.

Cutting Fluids (II)—Metal Cutting (II)—Production Engineering (VIII)—Lubrication (III)

Metal Cutting, Chatter, and Its Elimination, by *R. S. Hahn*, The Heald Machine Co.

A Standard Procedure for Evaluating the Tool Life of Single-Point Sintered Carbide Tools, by *O. W. Boston*, University of Michigan

A Lathe Test for the Evaluation of Cutting Fluids, by *J. D. Oathout, W. L. Howell, J. P. Hamer*, and *H. L. Leland*, Standard Oil Development Co.

2:30 p.m.

Rubber & Plastics (II)

Measurement of Tread Wear, by *R. D. Stiehler, G. G. Richey*, and *J. Mandel*, National Bureau of Standards

Creep of Neoprene in Shear Under Static Conditions: Ten Years, by *W. Newlin Keen*, E. I. du Pont de Nemours & Co., Inc.

Selected Rubber References for the Mechanical Engineer—July, 1951–June, 1952, by *Leora Straka*, Goodyear Tire & Rubber Co., and *Betty Jo Clinebell*, University of Akron

2:30 p.m.

American Rocket Society (III)

Application of the Ramjet to Aircraft Propulsion, by *M. S. Harned*, Marquardt Aircraft Co.

Theoretical and Experimental Investigation of a Valveless Intermittent Engine, by *J. Logan*, Cornell Aeronautical Laboratory

Application of Analog Techniques to Control Design for Aircraft Engines, by *W. C. Schaffer*, Wright Aeronautical Corp.

Applications of Pyrometry to Rocket Testing, by *E. Cartotto*, North American Aviation Corp.

Determination of Pressure Time Curve for Motors of Gun-Launched Rockets, by *E. F. Lype*, Armour Research Foundation

6:30 p.m.

Wood Industries Dinner

7:00 p.m.

American Rocket Society Dinner

8:00 p.m.

Fluid Meters (V)

The Pitot-Venturi Flow Element—Water-Service Performance Data, by *Henry W. Stoll*, Taylor Instrument Companies

Measurement of Pulsating Flow With Propeller Turbine-Type Meters, by *R. B. Dowdell* and *A. H. Liddle, Jr.*, Builders-Providence, Inc.

Research in Orifice Metering. (A motion picture by courtesy of Daniel Orifice Fitting Co.)

8:00 p.m.

Power (XI)—Management (VIII)

Symposium—Industrial Power-Plant Costs

C. S. Robinson	E. I. du Pont de Nemours & Co., Inc.
T. A. Fearnside	Stone & Webster
J. Campbell	E. I. du Pont de Nemours & Co., Inc.
F. G. Feely, Jr.	Carbide & Carbon Chemicals Co.

8:00 p.m.

Machine Design (X)

Pressure-Flow Relationships for a 4-Way Valve, by *J. F. Blackburn*, Massachusetts Institute of Technology

Notes on the Hydraulic Wheatstone Bridge, by *J. F. Blackburn*, Massachusetts Institute of Technology

INSPECTION TRIPS

The Metropolitan Section is finalizing plans for several Inspection Trips; some of these are:

Lever Brothers, Park Avenue, New York, N. Y.

American Airlines Shops, La-Guardia Field, N. Y.

United States Rubber Company, Passaic, N. J.

International Smelting and Refining Company, Perth Amboy, N. J.

Westinghouse Electric Company, Lamp Division, Bloomfield, N. J.

8:00 p.m.

Metal Cutting (III)—Cutting Fluids (III)—Production Engineering (IX)

Power Required by Carbide-Tipped Face-Milling Cutters, by *W. W. Gilbert, O. W. Boston*, and *A. A. Sickmann*

Practical Application and Problems in Abrasive Belt Grinding, by *H. W. Bennett*, Behr-Manning Division

Mechanically Mounted Cutting Elements of Cemented Carbides, by *W. L. Kennicott*, Kennametal, Inc.

8:00 p.m.

Lubrication (IV)

Solution of the Reynolds Equation for Slider-Bearing Lubrication—Effect of Temperature on the Viscosity—(4), by *J. F. Osterle, A. Charnes*, and *Edward Saibel*, Carnegie Institute of Technology

Solution of the Reynolds Equation for Slider-Bearing Lubrication—The Sector Thrust Bearing–(5), by *A. Charnes, Edward Saibel*, and *S. C. Ying*, Carnegie Institute of Technology

Solution of the Reynolds Equation for Slider-Bearing Lubrication—The Parallel-Surface Slider Bearing Without Side Leakage–(6), by *J. F. Osterle, A. Charnes*, and *Edward Saibel*

FRIDAY, DECEMBER 5

8:00 a.m.

Registration

9:30 a.m.

Textile Engineering (I)

Artificial Crimping of Heavy Nylon Filament for Hosiery and Sweater Use, by *Lee Rainard*, Alexander Smith Inc.

Effects on Structure on Some Functional Properties of Textile Fabrics, by *L. I. Wiener*, U. S. Army

9:30 a.m.

Wood Industries (III)—FPRS (III)

Trends in Structural Practice, by *F. Powell Forbes*

New Aspects of Stock Millwork, To be announced

Use of Cut-Stock in Building Practice, by *Forest Beil*

Getting the Most Out of Flooring, by *Herb McKean*

Prefinished Wall Panels, by *Bob Berglin*, Wood Paneling Inc.

9:30 a.m.

Power (XII)—Machine Design (XI)

Development in Design of Turbine-Generator Lubrication and Control-Oil System, by *George H. Newton*, Westinghouse Electric Corp.

Turbogenerator Lubricating Systems With Emphasis on Safety and Simplification, by *James J. Gibney, Jr.*, General Electric Co.

9:30 a.m.

Rubber & Plastics (III)

The Effect of Biaxial Stretching on the Crazing Resistance of Transparent Acrylic Plastics, by *G. M. Kline* and *A. Axilrod*, National Bureau of Standards

Stress Crazing of Plastics, by *J. A. Sauer* and *C. C. Hasiao*, Pennsylvania State College

Design Factors for Injection-Molding Heating Cylinders, by *Gerald D. Gilmore*, Dow Chemical Co.

9:30 a.m.

American Rocket Society (IV)

The Evaluation of Competing Rocket Power-Plant Components for Two-Stage Long-Range Vehicles, by *A. L. Feldman*, Consolidated Vultee Aircraft Corp.

Rockets Behind the Iron Curtain, by *G. P. Sutton*, North American Aviation, Inc.

Liquid-Propellant Booster Rockets for Guided Missiles, by *I. P. Brown*, M. W. Kellogg Co.

Optimum Performance for Rockets With Fixed Propellant Volume and Using High-Density Additives, by *J. Lorrell* and *A. R. Hibbs*, California Institute of Technology

Hydrogen Peroxide, Problems and Operating Procedures, by *G. N. Meckert*, Edwards Air Force Base

9:30 a.m.

Production Engineering (X)

The Theory of Mechanical, Electrical, Electronics, and Air Gaging, by *W. Fay Allen*, The Sheffield Corp.

Introduction to Principles of Pneumatic Gaging, by *D. B. Kirk*, Moore Products Co.

9:30 a.m.

Lubrication (V)

Experiments With Water Lubricated Tapered Land Thrust Bearings, by *M. Levinsohn*

Lubrication of Gyroscopes, by *J. E. Brophy* and *J. B. Roman*

Note on the Shear Stress in a Viscose Fluid in Motion, by *Frank R. Archibald*

12:15 p.m.

American Rocket Society Luncheon

Speaker: *Wernher von Braun*, Redstone Arsenal, Huntsville, Ala.

Subject: **The Importance of Satellite Vehicles in Interplanetary Flight**

12:15 p.m.

Textile Engineering Luncheon

Presiding: *F. D. Snyder*

Speaker: *Douglas Williams*, president, Douglas Williams Assoc., New York, N. Y.

Subject: **Employes' Attitudes and Productivity**

2:30 p.m.

Textile Engineering (II)—Management (IX)

Integrity in Production Engineering, by *N. M. Mitchell,* Barnes Textile Associates

Appraising the Operating Characteristics of Looms by Research, *Victor Separich,* Compton and Knowles Looms Works

2:30 p.m.

Wood Industries (IV)—FPRS (IV)

Panel

Materials Handling	*Paul Graham*
Seasoning	*Harry Rich*
Sawmilling	*Fred C. Simmons*
Finishing	*Robert M. Dean*
Plastics	*W. Burdette Wilkins*

2:30 p.m.

Power (XIII)—Machine Design (XII)—Lubrication (VI)

Applying Bearing Theory to the Analysis and Design of Pivoted Pad Bearings, by *John Boyd,* Westinghouse Electric Corp.

Oil Whip of Flexible Rotors, by *A. C. Hagg* and *P. C. Warner,* Westinghouse Electric Corp.

Segmental Thrust Bearing, by *Arthur B. Lakey,* Kingsbury Machine Works.

WOMEN'S PROGRAM

Registration Conference Room 8, Hotel Statler

Sunday, November 30

3:00 p.m. Reception at Engineering Woman's Club

Monday, December 1

12:15 p.m. President's Luncheon at Hotel Statler

4:00 p.m. Tea Dance at Hotel Statler

Tuesday, December 2

9:00 a.m. Breakfast at B. Altman's

12:00 noon Luncheon, Hotel Beekman—and UN Tour

9:00 p.m. Coffee Hour and a Color Film of Hawaii—Hotel Statler

Wednesday, December 3

10:30 a.m. Annual Business Meeting of Woman's Auxiliary Hotel Statler

12:30 p.m. Annual Luncheon and Fashion Show at Hotel Pierre

6:30 p.m. Banquet

Thursday, December 4

10:30 a.m. Tour of *S.S. America* and Buffet Luncheon—Town Hall Club

2:30 p.m.

Rubber & Plastics (IV)

Effects of Defects on Strength Properties of Plastic Laminates, by *B. G. Heebink,* and *A. A. Mohaupt,* Department of Agriculture, Forest Products Laboratory

Rigid Polyvinyl Chloride Pipes, Tubes, Rods, and Sheets for Corrosion Protection, by *George S. Laaff,* Bolta Co.

Selected Plastic References for the Mechanical Engineer—July, 1951–June, 1952, by *Helen Dickeman,* Monsanto Chemical Co.

2:30 p.m.

American Rocket Society (V)

Team of Engineer and Physiologist in Rocketry, by *E. B. Konecci,* USAF School of Aviation Medicine

Principles of Planetary Ecology, by *H. Strughold,* USAF School of Aviation Medicine

Escape and Survival in the Border Zone of Space, by *F. Haber,* USAF School of Aviation Medicine

Establishment of Large Satellites by Means of Small Orbital Carriers, by *K. A. Ehricke,* Redstone Arsenal

2:30 p.m.

Production Engineering (XI)

Gaging and Sorting Electronically, by *A. C. Sanford,* Federal Products Co.

Electronics—Dimensional Gaging, by *Charles W. Williams,* Graham-Mintel Instrument Co.

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Have you made your hotel reservations?
Have you arranged your transportation?
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Titles which have been assigned preprint numbers in this program will be ready for mailing November 15. Un-numbered titles are expected to be available by November 27. If therefore, you plan to attend the meeting, please arrange to pick up the papers you want at preprint booths.

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☐ 6.50	☐ 10.00	☐ 11.00
☐ 7.00	☐ 10.50	☐ 12.00
☐ 7.50	☐ 11.00	☐ 12.50
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3 persons ☐ $12.25 ☐ $15.00
4 persons—twin ☐ $21.00

Arrival date.....Hour[2].....☐ a.m. ☐ p.m.

Departure date.....Hour.....☐ a.m. ☐ p.m.
Checkout Time: 3:00 p.m.

Name.....

Street.....

City.....State.....

Names of other occupants.....

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[1] Single rooms are limited in number. If at all possible, please arrange to share a twin bedroom.

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COLLEGE REUNIONS

University of California: The Alumni of the University of California will hold a reunion luncheon at 12:15 p.m. on Thursday, December 4th, at Shine's Restaurant, 426 Seventh Avenue, New York, N. Y. All planning to attend are urged to contact Mr. Prentiss Nelson % Arabian American Oil Co., 505 Park Avenue, New York 22, N. Y. Phone Murray Hill 8-1300.

Carnegie Institute of Technology: Carnegie Institute of Technology will hold a reunion luncheon on Thursday, December 4th. For further information please contact Mr. Murray Lieblich, 36 West 66th Street, New York 23, N. Y. Phone: TRfalagar 7-2050.

Cooper Union: The Cooper Union Alumni are cordially invited to attend a Mechanical Engineering Department Reunion at The Cooper Union on Thursday evening, December 4, 1952, in Room 6H of the Hewitt Building. The Department Laboratories will be open for inspection between 5:30 p.m. and 6:30 p.m. A dinner is planned on a personal basis at some nearby restaurant. All who are planning to attend are urged to call Professor W. A. Vopat as early in the week as possible at ALgonquin 4-6300.

Cornell University: The Cornell Society of Engineers will hold a reunion on Thursday, Dec. 4, at the Engineers Club—32 W. 40th St. Informal gathering—6:00 p.m. Buffet dinner—7:00 p.m. Meeting—8:00 p.m. Speaker will be: Dean Dexter S. Kimball. For further information please contact Mr. W. M. Leonard at GRamercy 3-5600, Ext. 4336.

Georgia Institute of Technology: The Georgia Tech Club of New York will hold its Fall Dinner Meeting on Thursday, December 4th, at the Columbia University Club, 4 West 43rd Street, New York, N. Y. Cocktails will be at 6 p.m. and dinner will be at 7 p.m. Colonel Blake R. VanLeer, president of the Georgia Institute of Technology will be the principal speaker of the evening. Please contact Mr. J. F. Nicholl at REctor 2-1800 for further information.

Johns Hopkins University: There will be Hopkins Hour for the Johns Hopkins University Alumni on Thursday, December 4th, at the Governor Clinton Hotel, New York, N. Y. from 5 to 7 p.m. For further information please contact Mr. Osmar P. Steinwald, Director of Alumni Relations, The Johns Hopkins Univ., Baltimore, Md.

University of Michigan: Mechanical Engineering Graduates of the University of Michigan who may be in New York City for the ASME Annual Meeting are cordially invited to attend a luncheon on Thursday, December 4th, at the Engineers Club. For further information please contact Professor F. L. Schwartz, Dept. of Mech. Engrg. at the University of Michigan, Ann Arbor.

University of Missouri: There will be a reunion of engineers from the University of Missouri during the Annual Meeting. They will hold a Reunion Dinner on Thursday evening, December 4th. For further details contact Mr. Lee Schneitter, Ebasco Services, Inc., 2 Rector Street, New York, N. Y.

Rensselaer Polytechnic Institute: Will hold a luncheon at the Hotel Statler on Thursday, December 4th, at 12:30 p.m. (Reunion Luncheon). There will be reserved tables for this affair so please inquire at the door for the location. For further information contact Mr. E. H. Dion, Secretary, Rensselaer Alumni Association, Inc., 10 East 43rd Street, New York 17, N. Y.

Stevens Institute of Technology: The Alumni of the Stevens Institute of Technology will hold a reunion dinner on Thursday, December 4th, at the Stevens Metropolitan Club, 106 West 56th Street. For further information please contact Mr. George J. Nicastro, Combustion Engineering-Superheater, Inc., 200 Madison Avenue, New York 16, N. Y.

Nov. 17, 1952

Tell Prof. Wiener

I'm giving seminar talk on my work on turbulence via statistical mechanics, collision functions etc. Tues 2 P.M. hydrodynamics seminar. If he's interested.

John Nash

3rd floor

P.S. I was discussing this with him last year. I've found the smoothing effect in definite form now.

SIMON AND SCHUSTER, INC.
publishers
ROCKEFELLER CENTER, *630 Fifth Avenue, New York 20* • TELEPHONE *Circle 5-6400*

November 17, 1952

Dr. Norbert Wiener
Massachusetts Institute of Technology
Cambridge, Massachusetts

Dear Dr. Wiener,

Here are the galleys; my proofreader has just returned them to me. You will notice that there are many queries for you to answer.

May I ask you to use a black pencil, or ink, please? The printer's reader has used green, mine has used red.

I hope that you will be pleased with the way the book looks in print; I think it quite handsome.

Very truly yours,

Elizabeth Farrar

Elizabeth Farrar
Copy Editor

[10/17/52]

SIMON AND SCHUSTER, INC.
publishers

ROCKEFELLER CENTER, *630 Fifth Avenue, New York 20* • CABLE ADDRESS *Essandess* • TELEPHONE *Circle 5-6400*

TO THE AUTHOR

To be used for reference when galley and/or page proof arrive

1. Author's Alteration Charges

When a book is ready for the printer it is presumed by the publisher that the author has it in its final form. Proofreading is essentially a way of checking the type for typographic, or printer's, errors made while setting up the type, and should only be considered incidentally an opportunity to make a final check for real errors in the original ms. Rewriting the book when it is in proofs is expensive - approximately 35-40¢ per line. The publisher pays some of this, but you - the author - pay for it after a certain point. How much the author is allowed is figured on a specific basis: you are allowed ~~10%~~ 15% of the total composition charge. The average book costs a little over $2.50 per page to set in type; if the book contains 320 pages, the total composition charge is $800 and the author is allowed $80 for corrections, or approximately 200 lines reset.

2. How to Keep Your Author's Alteration Charges Down

Every correction made means resetting one or more lines at 35-40¢ each. Even if a single comma is added or deleted the entire line has to be reset. A single word added in the middle of a paragraph means resetting from the line containing the insertion to the end of the paragraph. If a word, or words, must be added it is cheaper to do it by substitution or at the end of a paragraph. Doing it by substitution means counting the characters (every letter and every space between words) of the words you have selected to kill in order to make room for the new copy.

New copy added when the book is in proof is charged at a higher rate than the original price per page as charges for rehandling the type already set have to be included.

Printer's errors and changes suggested by the publisher are not included in author's alteration charges.

Corrections in page proofs can be considerably more expensive. If these corrections make the lines run over, the type has to be repaged to the end of the chapter as each page has an equal number of lines. This kind of work is done by hand on a time basis and is expensive.

November 17, 1952

Professor Charles D. Coryell
M.I.T., Room 6-427

Dear Professor Coryell:

This is to reply to your letter of November 4, in which you inquired about the availability of notes for Professor Wiener's M-451 and M-452 courses.

A set of mimeographed notes for these courses was prepared many years ago and one set is still available in the Science Library. I believe that this set could be microfilmed if M. Leveque so wished. Professor Wiener has no copy of the notes now, so any duplication of them would have to be done with the concurrence of Miss Chamberlain.

Sincerely yours,

Mrs. George Baldwin
Secretary to Prof. Wiener

hb

November 17, 1952

Mr. Henry Simon
Simon and Schuster, Inc.
630 Fifth Avenue
New York 20, New York

Dear Mr. Simon:

I am enclosing a coupleof glossy prints of a recent picture in which I am facing whichever way it is that you wanted me facing in the frontispiece. If you don't need the picture for that purpose now, perhaps you can use it in another way.

I must be in New York for a lecture at 9:30 a.m., Tuesday, December 2, and for a meeting at 8:30 p.m. that night. I can therefore see you Tuesday afternoon, or if that isn't good for you, Monday afternoon. I'd like to know soon which time you prefer so that I can make plans for my trip. My own preference is for Tuesday.

Sincerely yours,

Norbert Wiener

hb

[ans 11/19/52]

November 17, 1952

Professor Jerome B. Wiesner
20A-120

Dear Wiesner:

The enclosed letter has recently come to me. As it is in a field of experimentation which I have abandoned and which is entirely in your hands, I am referring the matter to you for such action as you see fit. You will realize that neither now nor in the future is any collaboration possible between us.

Very truly yours,

Norbert Wiener

hb
Enc.

November 17, 1952

Miss Nancy Hamilton
411 East 51st Street
New York, New York

My dear Miss Hamilton:

All work on the hearing aid is being carried on in the Research Laboratory of Electronics under the direction of Professor Jerome B. Wiesner. I have withdrawn from the work entirely. I shall send your letter to Professor Wiesner, and I shall appreciate it if you will make all your arrangements in this matter directly with him.

With good wishes in the work you are doing with Miss Keller, I am,

Sincerely yours,

Norbert Wiener

hb
cc: Prof. J.B. Wiesner

November 17, 1952

Mr. R.L. Wilder
Department of Mathematics
University of Michigan
Ann Arbor, Michigan

Dear Mr. Wilder:

I am glad that you are planning to reprint the Paley-Wiener volume. As to corrections, you are free to make any which you feel are necessary. I shall not make any.

Sincerely yours,

Norbert Wiener

hb

[Nov 18, 1952]

Dear Professor Wiener:

Having a good if somewhat disorderly time on my Guggenheim. Feller is excellent, as strong as Doob, I think, and with a fine feeling for serious applications. Many good seminars, especially those created ad hoc.

Attended a party last night; it was highlighted by eye-witness accounts (all flattering) of your residence in Oxford.

We hope you will find your way to Princeton this winter. Margaret and I (and Edward) miss you. Good chess at the daily 4pm tea. Saw Oppenheimer on the streets today just after he told the press what a blessing the H bomb was likely to be. Would have rather liked to extend the blessing to him.

Yours,

Harold Freeman

Fine Hall

Rec'd Nov. 19

THE
GNOME PRESS
INC.
80 East 11th Street New York 3

Nov 18 1952

Prof Norbert Weiner
Dept of Mathematics
Mass Inst of Tech
Cambridge Mass

Dear Prof. Weiner:

Rumor has it that you are a science fiction devotee. If this is so,I hope you will consider my request. As science fiction publishers we are doing a series of anthologies to help the average person understand our field. Each anthology takes as its theme a basic science fiction concept and tells its story.

Our first anthology was about the conquest of space. From the first attempt to reach the moon,each story carries the theme a step further until we have the eventual evolution of space travel. The second told the story of man,from his pre atlantis days to the very far future. The third told the story of life on other worlds.

Our fourth anthology will tell the story of the Robot.From the development of the first thinking machine,each story will take another step thru the development of the robot itself,to its eventual evolution,as the only sentient life in the universe, in the very far future.

I would consider it an honor if you would do an introduction to this anthology. I am sure that it will provide you with kicks and I hope,this,more than the small amount of money I can offer you,will help induce you to take on this task.

I am sending you our first three anthologies so you will see what we have done. If the idea intrigues you I shall be very glad to send you a copy of the mss.

Since we are a small firm I can only offer you a hundred dollars plus a share in any subsidiary sales. I do hope you will consider my request.

Cordially,

Martin Greenberg

[ans 11/19/52]

D. McDANIEL
CLERK OF SESSION

MRS. EARL GARRISON
CHURCH TREASURER

First Presbyterian Church
NEVADA AND CEDAR
SEYMOUR, TEXAS

REV. CLARENCE LEVI SHELBY, M.A., D.D., PASTOR
THE MANSE 409 NORTH CEDAR -- TELEPHONE 112-W

Phillips - 1354 Lean Ave. ans 4/1354

Nov. 18, 1952

Dr. Norbert Weiner,
Boston

Dear Doctor:-

I am exceedingly interested in obtaining a copy of your book "The Human Use of Human Beings"

On account of sickness, and other misfortunes, I am living here on an income too small to provide any funds for books. This is a supreme hardship for a book-lover. (Any)

2

I am wondering do you or if you
might possibly have an extra
author's copy of your book you
might feel inclined to spare to
an obscure friend in misfortune.

If you should find it
convenient to autograph
any copy I shall be so
delighted—

most gratefully yrs,

C. L. Shelley

1949-50

Goodspeed's Book Shop
18 Beacon St. LA 3-5970 7 Mill St.

Harvard Book Store
1248 Mass. Ave. TRO 6-9067

Phillips B.S. St.
1254 Mass. Ave. UN 4-1354

country - visits P.

[ans 12/17/52]

Bloomington-Lake Sta.
P. O. Box 2715
Minneapolis 7, Minnesota
November 19 1952

Professor Norbert Wiener
Massachusetts Institute of Technology
Cambridge Massachusetts

My dear Professor Wiener ;

Will you favor me with your autograph, on the front of the enclosed envelope.
In my spare time I collect stamps, and autograph covers.
Later, I plan on giving my collection to the Public Library.
I would appreciate it very much, Professor Wiener if I could add your name to my collection of autograph covers.
I have a stamped envelope, for the return of same.
Thanking you in advance, for your kind attention.

Sincerely yours
Sigurd Berg

idi

INDUSTRIAL DESIGNERS' INSTITUTE

A DELAWARE CORPORATION

Organized for the Promotion and Practice of Design in Industry and for the Mutual Benefit and Protection of its Members

NEW YORK CHAPTER: 115 East 40th Street. New York 16. N. Y.

November 19, 1952

Prof. Norbert Wiener
Mass. Inst. of Technology
Cambridge, Mass.

Dear Prof. Wiener:

The story of Industrial Design -- its contribution to American prosperity and to the American standard of living -- is one of the most exciting and significant ones in the annals of our country.

In 1924 the U.S. Government declined the invitation of the French Government to take part in the first international exposition of modern industrial design: we had nothing eligible, could not accept, wrote President Coolidge. Since that time this country's utilization of the designer has gone forward at such a pace that we literally lead the world today in the articulation of well-designed, soundly conceived products manufactured on a mass scale.

The magic of the designer lies in his ability to fuse the latest mechanical processes and the newest discoveries of the scientist and the inventor with contemporary aesthetics in such a manner as to yield smart, functional products possessing quick eye effect. The miracle of the well directed conveyer belt was dramatized with powerful effectiveness in the New York World's Fair of 1939. But that was virtually fourteen years ago and in the interval great progress has been made. In fact, it would not be remiss to hold that the five or six post-war years have brought with them an unprecedented acceleration of effort...so that a totally new version of a World's Fair can now be uncovered.

A move in this direction is to be found in the exposition entitled "This Changing World", to be staged May 16th to May 24th in the Grand

Central Palace, New York City. Here some 150 to 200 exhibitors will have an opportunity of presenting their products in the most favorable framework...for not only will key industrial firms project their research and design progress in the most imaginative types of exhibit but there will be augmenting exhibits of a sociological and educational character that will round out the show and make it truthfully a compendium of all the elements that contribute toward making the American standard of living...and of working and playing, if you please...the highest the world has ever known. It serves as a beacon of inspiration to free peoples everywhere.

The Industrial Designers Institute, with several hundred members serving all branches of American industry, believes this exposition is extremely well-timed and should prove to be enormously successful. However, the concept underlying "This Changing World" is so broad in scope and so challenging in character as to necessitate an Advisory Board of the most exceptional nature. We are writing you now to invite you to serve on this Board, and to give us the benefit of your knowledge and judgment in shaping the guiding policies, for the exposition. The duties will not be onerous -- probably two conferences at which fundamental, cross-road problems will be reviewed. It is only if men such as you are willing to give us your time and wisdom that a milestone effort such as "This Changing World" can be successfully realized. We are in high hopes of receiving a favorable reply.

Sincerely yours,

John Vassos

John Vassos
Liaison Executive

P.S. I am also forwarding to you, under separate cover, our brochure which will explain the details of the exposition in even greater detail.

JV/br

SIMON AND SCHUSTER, INC.
publishers

ROCKEFELLER CENTER, *630 Fifth Avenue, New York 20* • CABLE ADDRESS *Essandess* • TELEPHONE *Circle 5-6400*

November 19, 1952

Dear Dr. Wiener:

Thank you very much for those two glossy prints. They are excellent, and I have turned one over to the production department for use, probably, on the back of the jacket, and the other to the promotion department to supply inquiries from newspapers.

I have put down Tuesday, December 2, at 12:30 for a time to expect your welcome arrival. Unless you have other plans, I hope you will lunch with me and perhaps one or two of my colleagues. If Mrs. Wiener is accompanying you to New York, I trust that she will join us.

Very sincerely,

Henry Simon

Dr. Norbert Wiener
Department of Mathematics
MIT
Cambridge, Mass.

hws:lf

November 19, 1952

Dr. J.L. Doob
Department of Mathematics
University of Illinois
Urbana, Illinois

My dear Doob:

My attention has been called to your review in the October, 1952, issue of Mathematical Reviews (Vol. 13, No. 9, p. 894) of a Russian Volume. It's author is Hincin, A. Ya., and the English title is Mathematical Foundations of Quantum Statistics. It was published in Moscow-Leningrad in 1951.

I am very eager to see this book, and I wonder if you would be willing to loan me your copy, or tell me where I could secure one for myself. I have an assistant who could do the translating into English.

With all good wishes,

Sincerely yours,

Norbert Wiener

hb

[ans 11/21/52]

7-33

November 19, 1952

Mr. Martin Greenberg
The Gnome Press, Inc.
80 East 11th Street
New York 3, New York

Dear Mr. Greenberg:

In my childhood I was a devotee of Jules Verne. In my earlier years of maturity I was a devotee of H.G. Wells. I am therefore what might be considered a reasonable prospect for an interest in science fiction. Unfortunately, the mushrooming development of science fiction in the recent past has repelled me, and I am in no way disposed to write a preface for an anthology on this subject.

There are several reasons for my point of view. The first is that science fiction has lost its freshness. I am tired of the space-man cliche. I am tired of the mastery-of-the-robots cliche. I am tired of the working to death of psychoanalytic ideas. And, frankly, I am just plain tired.

But there is a more serious point. In this period in which the life or death of the human race depends on a correct evaluation of certain very definite problems thrust upon us by the development of technique, and in which the channels of scientific communication have been fouled up by secrecy and by the policy of superorganization of science, it is of vital importance for our survival that we learn how to distinguish between science as a going concern and popular babbling about science. The emotion which has gone into such phoney pieces of journalism as the book on the flying saucers represents an amount of emotion which has been sated, and which no longer is at our disposal in facing the very vital question of just how much we are to incur the risk of permanently poisoning the atmosphere by atomic warfare. In short, science fiction has led to an inflation of the ego of the average escape reader by convincing him that he is thinking in the newest, most precise, and most scientific terms when in fact he is doing nothing of the sort. Actually, there is more relevant thought for the

human problems of the new age of science in the old folklore of fairies and magic than there is in this entire new venture in journalism. The problems of the three wishes, of the magician's apprentice, and the like, gain nothing in poignancy by being dressed up in pseudo-scientific verbiage. It is better for people not to think that space suits and interplanetary travel constitute science. And if they do not know that science is primarily a way of thought and a response to problems, it is far better that they do not fool themselves by treating science as the latest mumbo-jumbo of the witch doctor.

I like good escape literature. But I think that in this confused age, it is much better to take my escapism out in good murder stories than in this field of fiction, which is so dangerously parasitic on true scientific work.

Sincerely yours,

Norbert Wiener.

hb

p.s. Noiportion of this letter may be used for publication. I have not granted to you the use of my name, either as favoring or opposing science fiction books, or any other matter.

BECKMAN
INSTRUMENTS
INC.

Manufacturers of Scientific and Industrial Instruments

SOUTH PASADENA, CALIFORNIA
NEW YORK · CHICAGO
CABLE ADDRESS: BECKMAN

November 20, 1952

Prof. N. Wiener
Jorden Baruch Acoustics Lab
M. I. T.
Cambridge, Mass.

Dear Prof. Wiener:

Because of your interests, we would like to invite you to a demonstration of a general purpose analog computer, the Beckman EASE Computer. The demonstration will show you the operation of this computer and its most recent applications.

The main advantages of the EASE are its flexibility and low price. Flexibility of the instrument is demonstrated by its use on a variety of problems including simulation of process control problems (Shell Development Company), of aircraft equations of motion (North American Aviation and several military research centers), of complicated hydraulic actuators (Cal-Tech), the dynamics of human operators (H. A. Wagner Company), etc. Several design features combine to permit this great flexibility. Among these are the non-predetermined use of the amplifiers, which permits summation, multiplication by a constant and integration as desired; and the removable problem boards which permits set-up of several problems while the computer is being used on another.

The cost of the computer is well below any competitor.

The demonstration has been arranged to be as convenient for you as possible. It will be held at the Sanborn Company, 39 Osborn Street in Cambridge on November 17, 18 and 19 from 10:00 A. M. to 7:00 P. M. In the event you plan to attend, it is suggested that you use the 195 Mass. Avenue entrance to Sanborn.

You should find this interesting and we would like to talk with you.

Very truly yours,

Chalmer E. Jones

Chalmer E. Jones
Computer Sales

CEJ:jn

To JB Nov 17

Beckman Instruments, Inc.

So. Pasadena, Calif., N.Y., Chicago.

November 20, 1952

Prof. N. Wiener
Jordan Baruch, Acoustics Laboratory
M.I.T.
Cambridge, Mass.

Dear Prof. Wiener:

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You should find this interesting and we would like to talk with you.

Very truly yours,

(signed) Chalmers E. Jones
Computer Sales

CEJ:jn
COPY: hb Nov. 17

Nov. 21

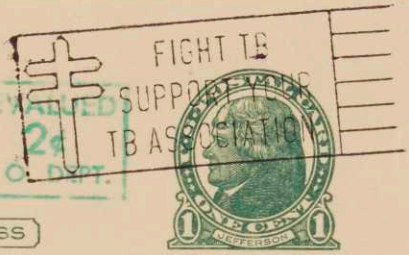
Dear Norbert:

I am sending the Khintchine book. Please return it after a month or so.

Regards,

Joe Doob

DEC
Ku-8.
9/1



THIS SIDE OF CARD IS FOR ADDRESS

Professor Norbert Wiener
Department of Mathematics
Massachusetts Institute of Technology
Cambridge 39
Massachusetts

November 20, 1952

Mr. Serge Fliegers
The Inter Continental Press
130 East 67th Street
New York, New York

Dear Mr. Fliegers:

I am enclosing the final version of Professor Wiener's Cleveland speech, which you said you would like to see. I wonder if you will be willing to return it to me within ten days or so? I could not make enough copies to go 'round, and I shall have to use each copy a couple of times. I am enclosing, also, an envelope for you to use in returning it to me -- tho' writers are usually far too busy to keep track of a MSS and an envelope and a deadline. Perhaps it will help expedite things around December 1st.

Sincerely yours,

Mrs. George Baldwin
Secretary to Prof. Wiener

h

cc. Copy II

November 20, 1952

Dr. Alex W. Rathe
College of Engineering
New York University
University Heights,
New York 53, New York

Dear Dr. Rathe:

Professor Wiener has asked me to reply for him to your kind letter of November 17th.

Professor Wiener plans now to take the 1:00 train from Boston on Monday afternoon, Dec. 1, which arrives in Grand Central at 5:00. He will be delighted to have dinner with you, if that is possible, and suggests that you call for him at the Governor Clinton Hotel at 6 p.m.

So far as the Tuesday breakfast and dinner at the Statler are concerned, Professor Wiener prefers not to commit himself to either, and hopes that this can be left indefinite until he arrives.

No special equipment will be necessary for his Tuesday morning talk.

Sincerely yours,

Mrs. George Baldwin
Secretary to Prof. Wiener

h

November 20, 1952

Mr. Ercole Rosa, Jr.
American Society of Mechanical Engineers
29 West 39th Street.
New York 18, New York

Dear Mr. Rosa:

Professor Wiener has asked me to inquire about two matters relating to his participation in the December 2nd. meetings of the ASME.

Your Program leaves ambiguous the part Professor Wiener will take in the evening meeting. He has agreed to participate as a member of a panel, but he does not recall that you have asked him either to moderate this meeting, or to give a second talk. He would like to know what you expect from him at this meeting.

No mention has been made of an honorarium, and hence Professor Wiener assumes that it is not your custom to pay one. But he wonders whether it is your custom to pay the transportation and hotel expenses of those you invite to give papers.

Thank you for your attention to these matters.

Sincerely yours,

Mrs. George Baldwin
Secretary to Prof. Wiener

h

RUTGERS UNIVERSITY

The State University of New Jersey

NEW BRUNSWICK NEW JERSEY

November 21, 1952

Dr. Norbert Wiener
Department of Mathematics
Massachusetts Institute of Technology
Cambridge 39, Massachusetts

Dear Dr. Wiener:

We are very much pleased to hear that you would be interested in speaking before the undergraduate body of Rutgers University.

Our committee strives each year to bring to the campus outstanding personalities from the fields of natural science, social science, and the humanities. The audiences therefore are of a very general nature. We are sure that an interesting informative program could result from a description of the principles in your study of cybernetics, - control and communication in the animal and the machine. Please feel free, however, to adapt your talk as you feel appropriate for such an audience.

We should like to have you come during the early part of March, and offer you the following dates for your consideration: March 2, 4, 9, 11, and 12. Our normal honorarium is $150 and we hope this will be satisfactory.

We are looking forward to meeting you, and hope you will be able to accommodate us in your schedule.

Sincerely yours,

William E. Jeney

William E. Jeney, Chairman
Lecture Series Committee
Rutgers University
New Brunswick, N. J.

WEJ:IR

Wigglesworth I-22
Cambridge, Mass.
November 21, 1952

Dear Professor Wiener,

Thank you so much for the exciting evening which you provided for me and the other members of the Choate Club last Tuesday. I have been showered with compliments and with requests that they be passed on to you. It is a great pleasure to hereby do so.

Your talk led me to read again with renewed interest part of "The Human Use of Human Beings." I am looking forward to your autobiography with great anticipation!

Yours sincerely,

David E. McLiffert

EMANUEL H. BLOCH
COUNSELOR AT LAW
401 BROADWAY
NEW YORK 13, N.Y.

PHONE WORTH 2-6651

Dr. Norbert Weiner
Cambridge, Mass.

Nov. 22, 1952

Dear Dr. Weiner:

I am the attorney for Julius and Ethel Rosenberg, whose case you have undoubtedly followed in the newspapers. This letter and its accompanying enclosure are sent to you for your considered judgment as a scientist.

My clients face death in a matter of (see below) weeks. The Supreme Court has twice refused to review the original trial. This refusal, as Mr. Justice Frankfurter has said, has nothing to do with the severity of the sentence. I am not, at this point, addressing myself to you on the subject of the innocence or guilt of my clients; I am writing specifically about the severity of the penalty.

I have great respect for science and for scientists. However, like most laymen, I lay claim to very little understanding of scientific questions. When the trial opened, the hysteria and fear engendered by the newspapers and the radio effectively insulated me and the other defense attorneys from the counsel and guidance of scientists about the technical aspects of the charges. It was difficult to obtain any evaluations; it was impossible to secure consultants at the trial itself. It was only recently - very recently - that the first crack in the wall appeared. It came from England, and it is the enclosed affidavit of Professor J. D. Bernal.

With this lead, we have been able to secure much more documented verification of Professor Bernal's main thesis: that Dr. Walter S. Koski, the sole government scientific witness, was in serious error when he testified that implosion or converging detonation waves or focussed explosions involved the use of a new and original principle. We are accumulating data from the U. S. Patent Office, from Soviet technical journals and texts, from European books and articles -- all prior to the date of the alleged conspiracy (1944-1945). This additional material is being collated and will be made available to you and other scientists very shortly. To give you but one example - a patent application was made by H. H. Mohaupt in 1941 (number of issue U. S. 2,419,414) which describes the utilization of a shaped explosive for compressing metal originally in the shape of a ring and re-shaping it into a cylindrical or rod-shaped form. The metal is also liquefied by this process and accelerated to a velocity of 18,000 feet per second.

The execution date is for January 12, 1953.

Some of those to whom this letter is addressed may be convinced of the innocence of my clients; some may believe that they are guilty as charged. But do you believe that their alleged conduct, in the words of the Court, "has put into the hands of the Russians the A-bomb years before our best scientists predicted Russia would perfect the bomb..."? Can you say with the Judge in passing sentence... "by your betrayal you undoubtedly have altered the course of history to the disadvantage of our country..."? Shall some crude, hand-drawn sketches of implosion lenses, drawn by a machinist five years after the alleged fact - and describing a principle which is only a little younger than Mr. Benjamin Franklin's electrical experiments, be allowed to form the basis of the Court's judgment in passing the death sentence?

Many scientists have contended that there is no over-all secret about the atom-bomb. Newspapers, other organs of public opinion, and certain agencies of government have spread terrible confusion about this point among most of us. They have given the impression that the basic theory is a secret, and that every sort and type of technical development connected with it is - or should be - secret. Biased by the back-wash of these judgments, the Court passed the death sentence. Should not scientists now register their sober thoughts on this question for the correct information of the court? I ask you as a scientist to consider this point.

I therefore take the liberty to ask you to write me your reaction to, and criticisms of Professor Bernal's affidavit, as well as any additional statements or references to pertinent scientific or technological data you would like to give me.

We are in desperate need of affidavits by American scientists concerning the actual gravity of the alleged offense as judged by its consequences. Please remember that it is not a matter of discussing guilt or innocence, but a matter of the gravity of the consequences of the alleged crime which formed the motivation of the court in passing the death sentence.

I am,

Most sincerely yours,

EMANUEL H. BLOCH

EHB/k

(Great Britain:
(England: S S.)
(County and City of London)

JOHN DESMOND BERNAL of 21 Torrington Square London W.C.1. England Professor of Physics BEING duly sworn deposes and says as follows:

1. That he is Professor of Physics at Birkbeck College, University of London and had experience of the theory and practice of explosives in his capacity as Scientific Advisor to the Ministry of Home Security, 1939-1942, and to Combined Operations, 1942-1945.

2. That he has read the records contained in a transcript of the evidence given by David Greenglass on the 9th and 12th of March, 1951 in the case of JULIUS ROSENBERG and ETHEL ROSENBERG vs. the UNITED STATES OF AMERICA and, also, of the evidence given on 12th March 1951 by Walter S. Koski in the said case, and, in particular, with regard to the exhibits (2), (6) and (7) presented in the said case.

3. That, in his opinion, as a scientist with special knowledge of the physics of explosives, on the bases of the description of the said exhibits contained in the said records (i) notwithstanding the opinion of Walter S. Koski in his evidence (ff. 673 and 679 of the said transcript) the lenses which the said exhibits (2), (6) and (7) purport to represent do not involve the use of a new and original principle and (ii) notwithstanding the opinion of the said Walter S. Koski in his evidence (f. 672 of the said transcript) knowledge of the said lenses would not be of substantial advantage to a foreign nation.

4. That he bases his opinion expressed in paragraph 3(i) aforesaid on the following grounds -

The principle of the converging shock wave is not a new one. It has been utilised in practice as the hollow charge effect as far back as 1792. It was rediscovered by Admiral Munroe of the United States Navy in 1888, is known as the Munroe effect and was widely publicised at that time and later, for example, by Munroe himself in

i. Scribner's Magazine, 1888, 3, 563-576.
ii. Executive , No. 20, 53rd Congress, 1st Session, 1894.
iii. Popular Science Monthly, 1900, 56, 453-454.

It was also known in other countries. A patent -

Brit. Patent 28,030, 1911. Westfällisch-Anhaltische Sprengstoff A.G. Improvements in explosive charges or bodies.

was taken out in 1911 by Neumann and the effect was described in standard books on explosives -

iv. COLVER E. High explosives, 1918, pp. 490-493.
v. STETTBACHER. A., Schiess and Sprengstoffe,
1st edition, 1919, pp. 36-37.
2nd edition, 1933, p. 51-52.
vi. MARSHALL. A. Explosives. Vol. 3. 1932, p. 169-170.

It was extensively used by all belligerants in the last war and was the basis of the tank destroying efficacy of the well-known "bazooka".

The principle underlying all these applications is the physical principle that a wave of any type increases in amplitude when it converges and this means, in the case of an explosive shock wave, a corresponding increase in velocity and pressure. The theory of this effect in the particular case of a conical lined hollow charge has been published in the Journal of Applied Physics, Vol. 19, pp. 563-582, 1948. It is clear from the verbal descriptions given in evidence at the trial, see especially ff. 597, 614-620, 646-655, that the lenses, the moulds of which are alleged to have been made by David Greenglass, are essentially shaped charges employing this well-known principle of convergence. There is no indication of any new principle being involved.

5. That he bases his opinion expressed in paragraph 3(ii) aforesaid on the following grounds -

(a) The particular importance of the devices, drawings of which are alleged to have been handed over by David Greenglass, resides, in his opinion, more in the principle involved, which as stated in paragraph 4 aforesaid he maintains is not new and original, than in the particular shapes and relative dimensions of the charges. It is not disputed that experimental development work such as that carried out by the said Walter S. Koski was necessary to find the shape most adapted to the compaction of the fissile material, but such work could have been carried out by any explosives expert and it is reasonable to suppose that not only one but a number of solutions could be found for providing an adequate implosion. Further as is stated in the said Walter S. Koski's evidence (f. 600 of the said transcript) the efficacy of the lenses depended on "a combination of explosives having different velocities of detonation". This combination was made at an establishment remote from that at which David Greenglass worked and he nowhere claims to be aware of its nature. Without it any information on the mere shape of the lenses which he alleges to have transmitted would be of negligible value. It is, therefore, evident that any advantage to any foreign nation by the divulging of the design of any particular lens would be non-existent or very small as they already would have high explosive lenses of a suitable type or could readily develop them on the basis of existing knowledge.

(b) It might be argued that even if there were nothing essentially new in the design of the high explosive lenses and their implosive effect, it was still a matter of the utmost importance that the idea of using this principle for the rapid reduction of the volume of a piece or pieces of fissionable material to the critical volume be considered a secret of the highest order. To maintain this, it is necessary to assume a degree of technical incompetence on the part of a foreign nation which, if it existed, would have prevented them in any case from being able to utilise the information on atomic weapons. Already by 1939, the principles of nuclear fission, the neutron chain reaction and the concept of the critical volume were well known in scientific circles. Once the possibility of producing fissionable material in adequate quantity for the critical volume was realized, it was obvious that a bomb could be made if the critical volume could be produced sufficiently rapidly to prevent the blowing off of the material before the chain reaction could proceed far enough. Only a ballistic or an explosive compression could produce such a rapid reduction in volume. The use of a hollow charge for this purpose would be the first to occur to any

explosives expert if faced with the problem. Any real value to a foreign nation of information on the construction of a bomb or bombs model would therefore reside primarily in the absolute scale, for this would reveal the critical volume aimed at and it is not contended by the prosecution that David Greenglass ever obtained such information.

(c) Exhibits (2), (6) and (7), as produced in Court, are not claimed to be the actual sketches transmitted by David Greenglass to Julius Rosenberg or Harry Gold. They are drawings, admittedly made five years after the event, of sketches not copied but made from memory from actual models. While not maintaining that it is impossible to reproduce a drawing at such an interval of time it is difficult to understand how such drawings can be acceptable as reliable in view of the fact that in the interval between August 1945 and June 1950 when David Greenglass was arrested much publicity had been given to the atom bomb and the principles of its working, including the means of achieving a critical mass, and the recollection of what he had seen and learned may be considered to have influenced, even if unconsciously, David Greenglass's recollections. Further, in the interval between his arrest in June, 1950, and the time of the trial in March, 1951, he had been interrogated several times on the subject of his alleged espionage and it is difficult to see how his memory could not have been influenced by the questions put to him in that interval.

SUBSCRIBED and SWORN TO)
at 51/2, Chancery Lane)
in the County of London) John Desmond Bernal
England the 10th day of)
November 1952, before me)

Kenneth L. Steward

A Notary Public
of London, England.

(SEAL)

GREAT BRITAIN AND NORTHERN IRELAND)
LONDON, ENGLAND) SS:
EMBASSY OF THE UNITED STATES OF AMERICA)

I, Edward L. Killham, Vice Consul of the United States of America residing at London, England, do hereby make known and certify to all whom it may concern that

KENNETH LIVINGSTON STEWARD

who has signed the annexed certificate, was in fact a Notary Public at the time the annexed certificate purports to have been made; that I have compared the signature of said

KENNETH LIVINGSTON STEWARD

upon the original annexed certificate with a specimen of his signature filed in this Embassy; that I believe his signature to be genuine; that I have compared the impression of the seal affixed thereto with a specimen impression thereof filed in this Embassy; and that I believe the impression of the seal upon the said original annexed certificate to be genuine.

IN TESTIMONY WHEREOF I have hereunto set my hand and affixed my seal of office at London aforesaid this Twelfth day of November in the year of our Lord one thousand nine hundred and fifty-two.

Edward L. Killham
Edward L. Killham.
Vice Consul of the United States of America at London, England.

(SEAL)

SERVICE NO. : 7469

Fee $2.00 -14s.8d.

American
Foreign Service
$2.00
Fee Stamp

Box 77
Harvard Club
My 36, My-

The Bear

Hotel Windsor Park
2300 Connecticut Avenue
Washington 8, D. C.

Harvard Club, New York
November 23d

My dear Mrs. Baldwin:

Many thanks for your postcard and the copy of the Cleveland speech by Prof. Wiener.

Unofrtunately I have not yet been able to start actual writing on the story. The subject is really staggering. I wanted to devote full time to it, so I cleaned up some other stories first -- Washington aspects of elections results etc.

Then, when I returned to NY I found the painters moving into my place, making me a homeless waif. In this connection, by the way, I wonder whether you could do me a personal and extra-curricular favor: I am installing some new music equipment, and I understand MIT has a wonderful new speaker that takes very little place and sounds wonderful. It ~~is~~ was developed by two MIT acoustical experts -- Dr. Jordan J. Baruch and Henry C. Lang. Could you possibly call one of them, explain that I would like to get one of the speakers -- even though they may not be manufactured commercially at present -- and ask them how that could be done. Would appreciate it enormously.

How is Prof. Wiener? Please give him my very best regards.

Also tell him that I have spoken about his short stories to my agent, Mr. Jay Sanford of the Schulberg Agency, 2 West 45th St. New York, 36 NY. Sanford is a very sound man -- former story editor of Paramount Pictures -- and he promised to take special care of anything the Professor might care to send him.

Many thanks again, and let me know what the acoustical people say.

Very best,

Serge Fliegers

Serge Fliegers

PS The Cleveland speech should be going back your way in about 10 days.

3ND-NSBNL-74

OK

U. S. NAVAL MEDICAL RESEARCH LABORATORY
U. S. NAVAL SUBMARINE BASE
NEW LONDON, CONNECTICUT

IN REPLY REFER TO:

November 23, 1952

(Private)

Professor Norbert Wiener
Department of Mathematics
Massachusets Institute of Technology
Cambridge, Mass.

Dear Professor Wiener:

In the month of May we had personal talks at MIT regarding Thermodynamics, Econometrics and Information Theory. We discussed possibilities of applying Information Theory in Psycho-Acoustics. I would like to mention at this time that a short communication pertaining to Information Theory and Econometrics, was accepted for publication by Scientific American. I would enjoy very much to have your opinions.

I am approaching you in view of my contemplated transfer to the Navy Electronics Laboratory in San Diego, California. I took the liberty to list your name among my references and I would like to ask you for your subsequent approval.

Thanking you for your continued interest,

I am

Most sincerely yours

Andrew G. Pikler

(Andrew G. Pikler)
Research Psychologist
Sound Section

[ans 12/1/52]

Telephones:
Wilton { 3211.
3157.
3115.

Wilton House,
Salisbury.

25 - xi -'52.

Dear Professor Wiener,

I am writing to ask whether you could very kindly let me know the address of a friend of yours whom I met very briefly in your company about a year ago.(Please do not strain your memory: it was a chance meeting in New York, and I doubt if you will remember it).

I think his name was Dr. Rothenberg or Rosenberg, and he mentioned that he had worked out the logical foundation of a machine that could reproduce itself including its reproductive faculty. I have recently been working on an allied subject, and should like very much to correspond with your

friend about certain points, and have the references of anything he may have published on this.

I hope you will know whom I mean from my somewhat vague description, and can tell me how to get in touch with him. Please forgive me for troubling you with this request.

Yours sincerely,

M. T. Bizony

Professor Norbert Wiener,
Mass. Inst. of Technology,
Cambridge, Mass., U.S.A.

Count
Marquis
Duke
Viscount
Earl

[and 12/5/52]

CLEVELAND COLLEGE
WESTERN RESERVE UNIVERSITY
CLEVELAND 14, OHIO

HERBERT C. HUNSAKER
DEAN

November 25, 1952

Mr. Norbert Wiener
Department of Mathematics
Massachusetts Institute of Technology
Cambridge 39, Mass.

Dear Mr. Wiener:

As the date of December 10th approaches, I should like to know a little more about your plans for arrival and departure and to discuss with you arrangements here in Cleveland. We have reserved a room for you at the Hotel Cleveland for Wednesday, December 10th. If by chance you come in by train or an early plane, reporters from the newspapers would like an opportunity to have an interview with you which can be published in the afternoon papers that day. In addition, some of our radio and television stations like to arrange for interviews, if time permits and our speakers do not object. Actually this kind of publicity helps the College and usually has some influence on our audience that evening and at future meetings. Therefore, if your time schedule permits, we do hope that you can arrange to arrive as early as possible on Wednesday morning.

There is one program in particular that the University would like very much to have you participate in if at all possible. For many years on one of our large stations, we have conducted an informal discussion on timely topics with several members of our faculty participating. This program is known as the Western Reserve University Round Table and is regularly scheduled for Sunday afternoons. Occasionally when we have out of town guests we invite them to participate on this program. This is a half hour program. While you are here, the director of this program and the station would like very much to have you take part in this program by making a recording some time during the day on Wednesday which will be used for the program on Sunday, December 14th. It would help us greatly in making our plans if you could let me know as soon as possible whether or not you would be willing to participate in this program and in making the recording while you are here on Wednesday.

Now as to specific arrangements for your lecture. We begin our program promptly at 8 P. M. We suggest to all of our speakers that they talk for a period of about an hour, but that under any circumstances they should not extend their talk beyond an additional 10 or 15 minutes at the outside. We suggest this limitation on time because it is customary for us to give the audience an opportunity to ask questions of the speaker at the close of the lecture. Our experience is that this question and answer period normally lasts for about 30 minutes. It is customary for a few members of our faculty and friends of the college to have dinner with the speaker at 6 o'clock in advance of the lecture.

I would appreciate hearing from you as promptly as possible so that we may know about your plans for arrival and make any other arrangements that may be necessary. May I also suggest that as soon as you arrive at the Hotel Cleveland on Wednesday, it would help to have you telephone me at my office, TOwer 1-7650.

Sincerely yours,

Herbert C. Hunsaker

Herbert C. Hunsaker
Dean

[ans 12/1/52]

NEW YORK UNIVERSITY
COLLEGE OF ENGINEERING
UNIVERSITY HEIGHTS, NEW YORK 53, N.Y.

DEPARTMENT OF
INDUSTRIAL AND MANAGEMENT ENGINEERING

TELEPHONE: LUDLOW 4-0700

November 25, 1952

Special Delivery

Dr. Norbert Wiener,
Massachusetts Institute of Technology,
Department of Mathematics,
Cambridge 39, Mass.

Dear Dr. Wiener:

Thank you so much for Mrs. Baldwin's letter, and particularly for the good news that we can have dinner together in New York on Monday, December 1. It will be a pleasure to call for you at the Governor Clinton Hotel at around six o'clock.

With kind regards,

Sincerely yours,

Alex W. Rathe
Associate Professor.

AWR/DA
cc-To Governor
Clinton Hotel

November 25, 1952

Mr. Henry Simon
Simon and Schuster, Inc.
630 Fifth Avenue
New York, New York

Dear Mr. Simon:

Your proof is at hand, and has already been given a first reading. I have made the change in title that you agreed to, and have also made some changes in the chapter headings. In addition there are one or two connective passages which need reforming, either by taking out duplications, or by inserting brief transitional material. There are some other stylistic corrections or corrections in content which I have tried to make as inexpensive as possible, although I do not think that I have succeeded in every case. Where the corrections are purely stylistic, I will leave it in your hands to countermand them if you think that I have added to the expense without a proportional benefit of the text. In any case, I think that you and your proof readers have done a bully job, and notwithstanding the fair number of author's corrections, I do not demand a second galley proof nor page proofs. The matter is entirely up to your judgment.

One thing I should like to ask. When you have a cut galley proof or a page proof , would you send me a couple of copies, not for the purpose of revision, but for the purpose of discussion with my friends, in order to facilitate my plans for publicity and the promotion of the book. The stuff is much more readable in print than it is in type, and the criticisms which I get and the suggestions for promotion will be much more to the point.

My wife will not be down with me on December 2. But I shall be at your office at lunch time, and am looking forward to the occasion very much.

Sincerely yours,

Norbert Wiener

hb

AMERICAN INSTITUTE OF BIOLOGICAL SCIENCES
ASSOCIATED WITH THE NATIONAL RESEARCH COUNCIL

EDITOR
ERRETT C. ALBRITTON

HANDBOOK OF BIOLOGICAL DATA

2101 CONSTITUTION AVENUE
WASHINGTON 25, D. C.
November 26, 1952

Dr. Norbert Wiener
Massachusetts Institute of Technology
Cambridge 39, Massachusetts

Dear Doctor Wiener:

We have recently decided that the Handbook of Biological Data will contain material on HEAT AND WORK IN BIOLOGY--THE THERMODYNAMICS OF PHYSIOLOGY--MAN, OTHER ANIMALS, MOTORS, STEAM ENGINES.

This is obviously a somewhat unusual title. We realize, of course, that the material does not lie precisely within your field; but since you are noted for your work on the analogies between human beings and certain types of machines, we thought that you might be able to suggest possible contributors. Needless to say, we should be most grateful for this assistance.

If you yourself feel that you could contribute tabular or diagrammatic data on any subject of interest to biologists, please let us know; such a contribution would be a great asset to the Handbook.

We trust that we shall have the honor of hearing from you soon.

Cordially yours,

Errett C. Albritton

ERRETT C. ALBRITTON*
Editor of the Handbook
and Executive Secretary
of the Committee

ECA:clf

(*Fry Professor of Physiology, George Washington University)

[ans 12/5/52]

THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS

TWENTY-NINE WEST THIRTY-NINTH STREET

NEW YORK 18

November 26, 1952

Dr. N. Wiener
Dept. of Mathematics
Massachusetts Institute of Technology
Cambridge, 39, Mass.

Dear Dr. Wiener:

Attached are page proofs of your paper, "The Future of Automatic Machinery" which Mr. Stetson, our editor, has assigned to the January issue of MECHANICAL ENGINEERING.

He has requested that I send you page proofs to ask if you will insert some appropriate centerheads to break up three pages of solid type and thus make the article more readable.

We made a rather feeble start but didn't get very far and in a paper of this nature, we find that the author is about the only one who can really supply such "breaks" adequately.

We shall be grateful to you if you will do this and if you will endeavor to get the pages back to us some time this coming week as our first forms on the January issue go to press fairly early in December.

Yours very truly,

K.W. Clendinning

K.W. Clendinning
Managing Editor

KWC:AC
ENCS.

Proofs

[ans 12/3/52]

JOURNAL OF THE OPTICAL SOCIETY OF AMERICA

Wallace R. Brode, Editor
Mary E. Corning, Assistant Editor
National Bureau of Standards
Washington 25, D. C.

November 28, 1952

Professor Norbet Wiener
Massachusetts Institute of Technology
Cambridge, Massachusetts

Dear Dr. Wiener:

The enclosed manuscript* has been submitted for publication in the Journal of the Optical Society. I would appreciate your reviewing it and advising me with respect to its originality and merit for publication in the Journal.

Sincerely yours,

Wallace R. Brode

Wallace R. Brode
Editor

* "Spectroscopy from the Point of View of the Communication Theory Part II. Line Widths" by Emslie and King.

November 29, 1952

Professor Norbert Wiener
Massachusetts Institute of Technology
Cambridge, Massachusetts

Dear Professor Wiener:

There has recently been formed an inter-science Cybernetics Discussion Group on the UCLA campus. Your major work on cybernetics is available to all of us in book form, but some of your articles are not.

We were wondering if you could send us from five to ten copies of each of the following:

"Cybernetics", from the Scientific American, Vol.179, Nov.1948.

"Purposeful and Non-purposeful Behavior", Philosophy of Science, Vol.17, 1950.

Thank you in advance for any help you can give us in this regard.

Sincerely yours,

W. B. Taylor

W. Bruce Taylor
355 Royce Hall
UCLA
Los Angeles 24, Calif.

[ans 12/8/52]

MAX A. WOODBURY
4036 S. WARNER RD.
LAFAYETTE HILL, PA.

NOV 30 1952

Prof. Norbert Wiener
Dept. of Mathematics
Mass. Inst. of Technology
Cambridge 39, Mass.

Dear Prof. Wiener:

At Julian Bigelow's house one evening a year or so ago, you suggested that limits on parameters in statistical estimation could be obtained from considerations involving the use of information as defined by yourself as well as from information as defined by R. A. Fisher. I have not actively pursued the topic, but I have found certain very suggestive inequalities involving probabilities of errors of the first and second kind in the testing of statistical hypotheses. A simple example follows:

Let H_0 and H_1 be two hypotheses about the probability distributions of an observable x. The choice of a decision procedure amounts to mapping observations onto actions, in this case A_i means "accept H_i" for $i = 0,1$. There are two kinds of errors involved in accepting such a decision procedure, that of accepting one hypothesis when the other is in fact true. Each decision procedure leads to a pair of probabilities of these errors. It is possible to bound the probabilities of these errors from below in terms of the information of each of the distribution functions.

If this kind of notion is of any interest to you I will be glad to enlighten you further concerning my work in this regard during my visit to Cambridge on Dec 11 and 12 next. I do not expect a reply to this letter, but will instead, attempt to get in touch with you on the 11th or 12th.

Very truly yours
Max A. Woodbury
Max A. Woodbury

ok?

Answered 2.dy

[ans 12/4/52]