

177

CORRESPONDENCE Aug. 1953

N. WIENER · MC 22

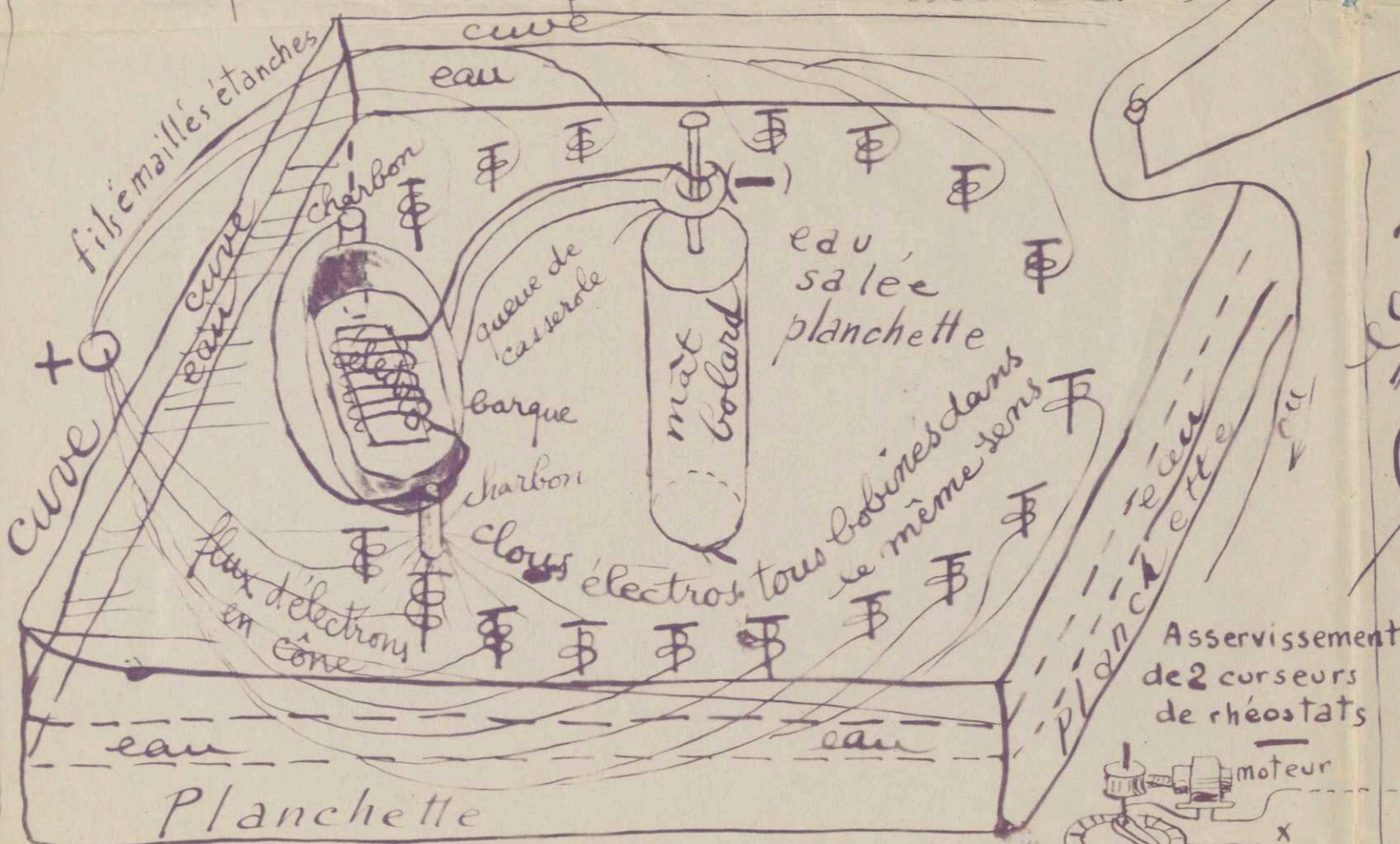
BULLETIN CYBERNETIQUE

"L'AME DU ROBOT" doit être un MOTEUR ELECTRIQUE FLOTTANT

7/1/1954

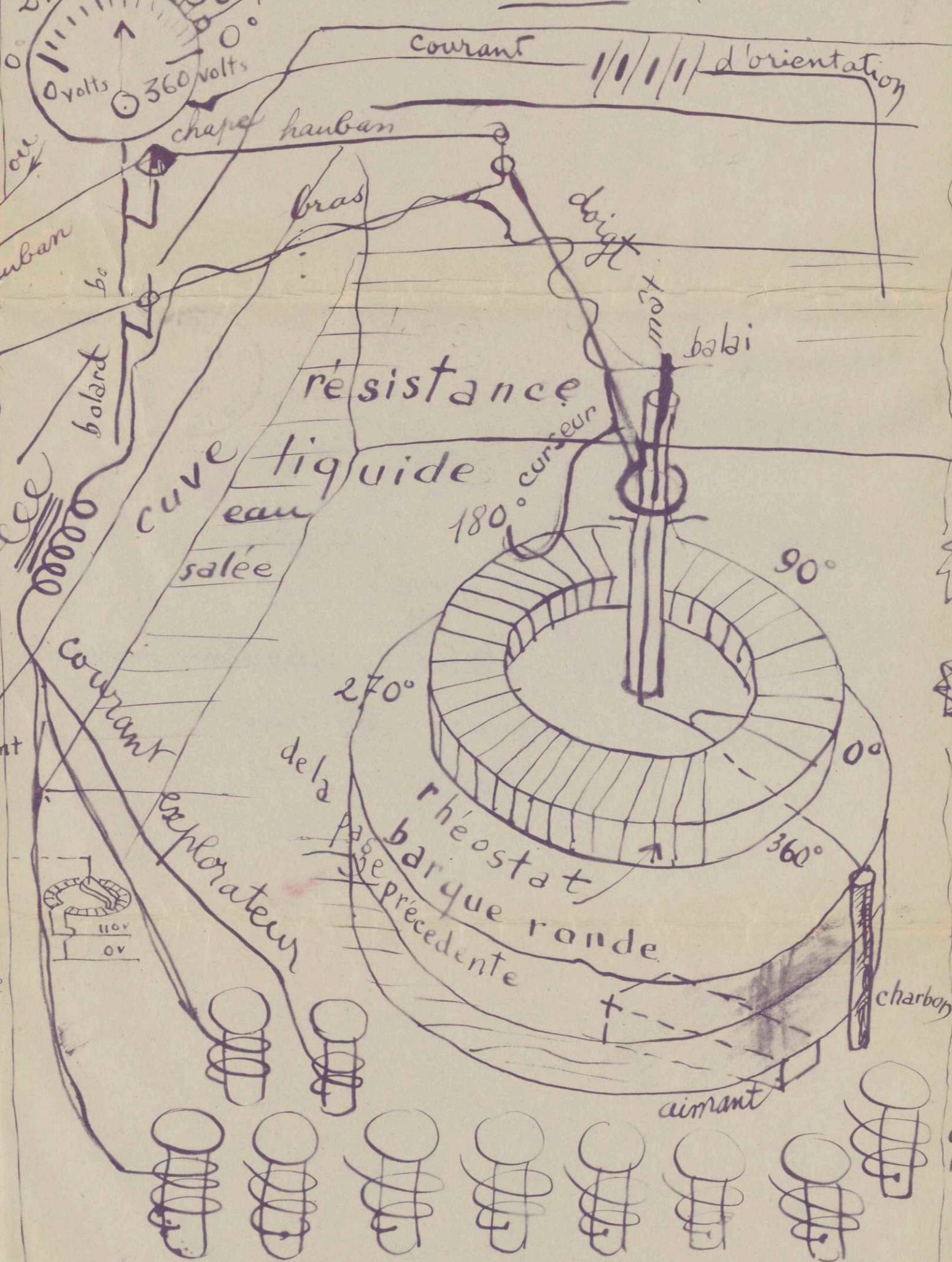
J. Perdrizet
Bollène Vaucluse

Dans une minuscule barque en celluloïd plaçons un électro-aimant et fixons 2 charbons en poupe et en proue ce seront les balais. La barque flotte dans une cuvette d'eau salée au fond de laquelle est une planchette hérissée de clous.



électros-aimants dont le bobinage est dénudé contre le noyau et dont l'autre extrémité du bobinage va à une source de courant. La barque est attachée à un mât central de la cuve autour duquel elle peut tourner. Au sommet de ce mât en bois est planté un clou relié à l'autre borne du courant qui s'en va, par la queue de la casserole que forme la barque avec son attache, dans l'électro-aimant de la cuve puis dans les charbons. Dans l'eau salée et les clous électros les plus proches des charbons ceux de proue attirent l'électro de la barque ceux de poupe le repoussent donc la barque tourne autour du mât.

VISION DU DOIGT D'AVEUGLE MESURE DES ANGLES

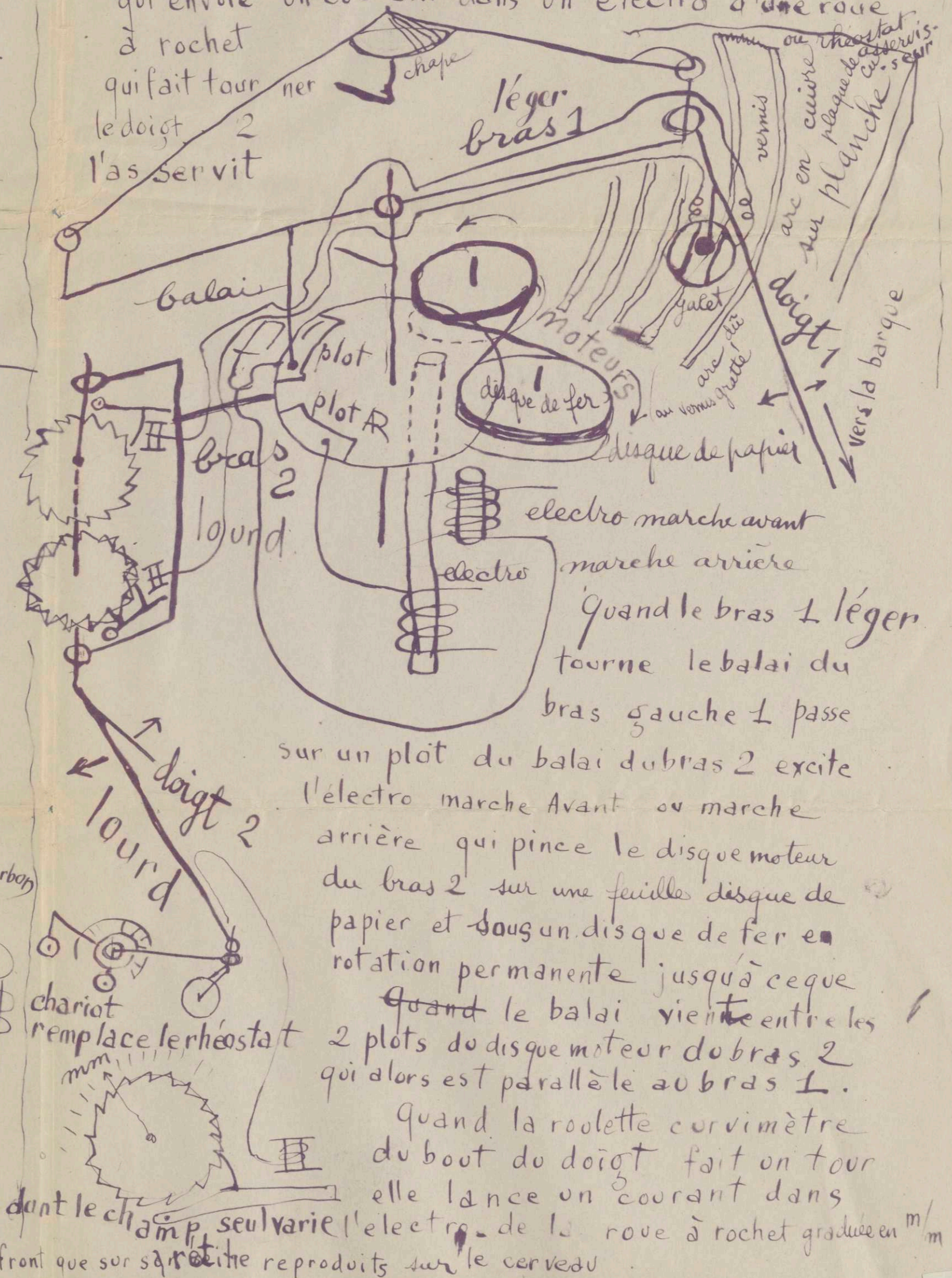


clous électros dessinant l'image

que leur envoie une caméra de télévision dont le champ seul varie l'électro de la roue à rochet graduée en mm. une cellule photoélectrique a permis récemment à un aveugle de lire par picotements sur son front son âme mes on ne voit aussi bien sur son front que sur sa rétine reproduits sur le cerveau.

MESURE DES LONGUEURS

IL y aura une cuve dans une barque par teinte ou plus pour gravité envoyées au sélecteur du nom de l'image. Quand le doigt 1 tourne son galet présente un segment métallique sur des arcs ayant même centre que le bras qui envoie un courant dans un électro d'une roue à rochet qui fait tourner le doigt 2 l'as servit.



Encl. Aug 5, 1953

IMPRIMÉ
PRINTED



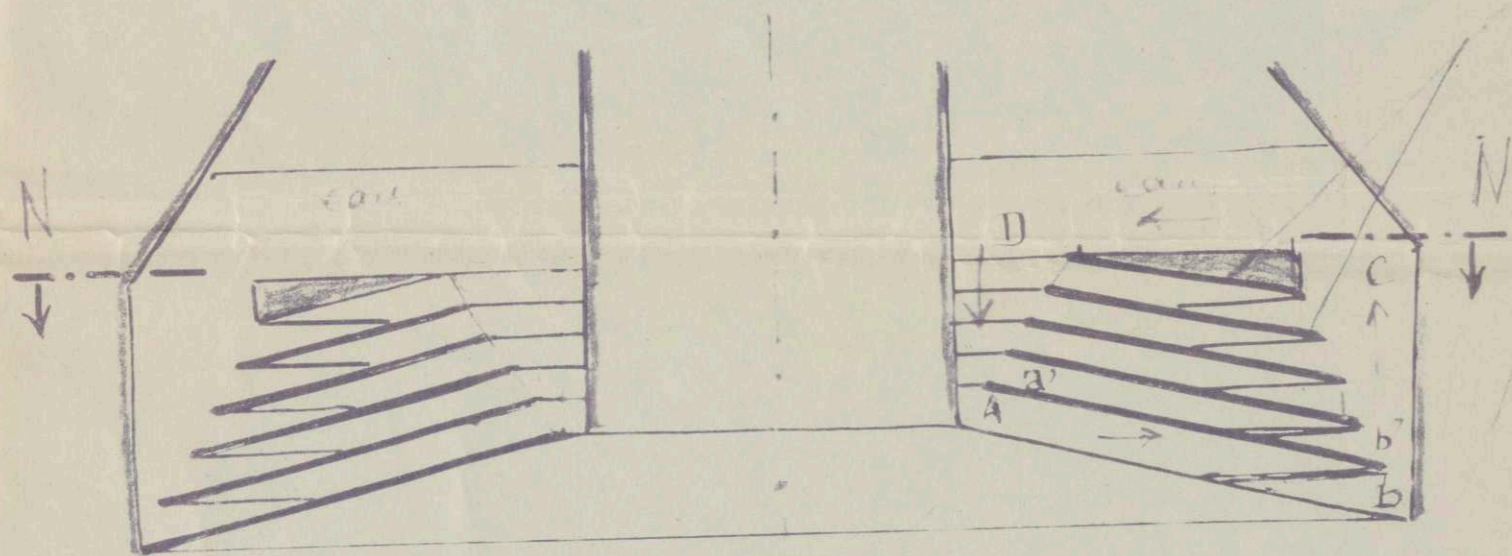
Norbert Wiener
Institute of technology department mathematics
Cambridge 39 Mass
MASSACHUSETTS

USA

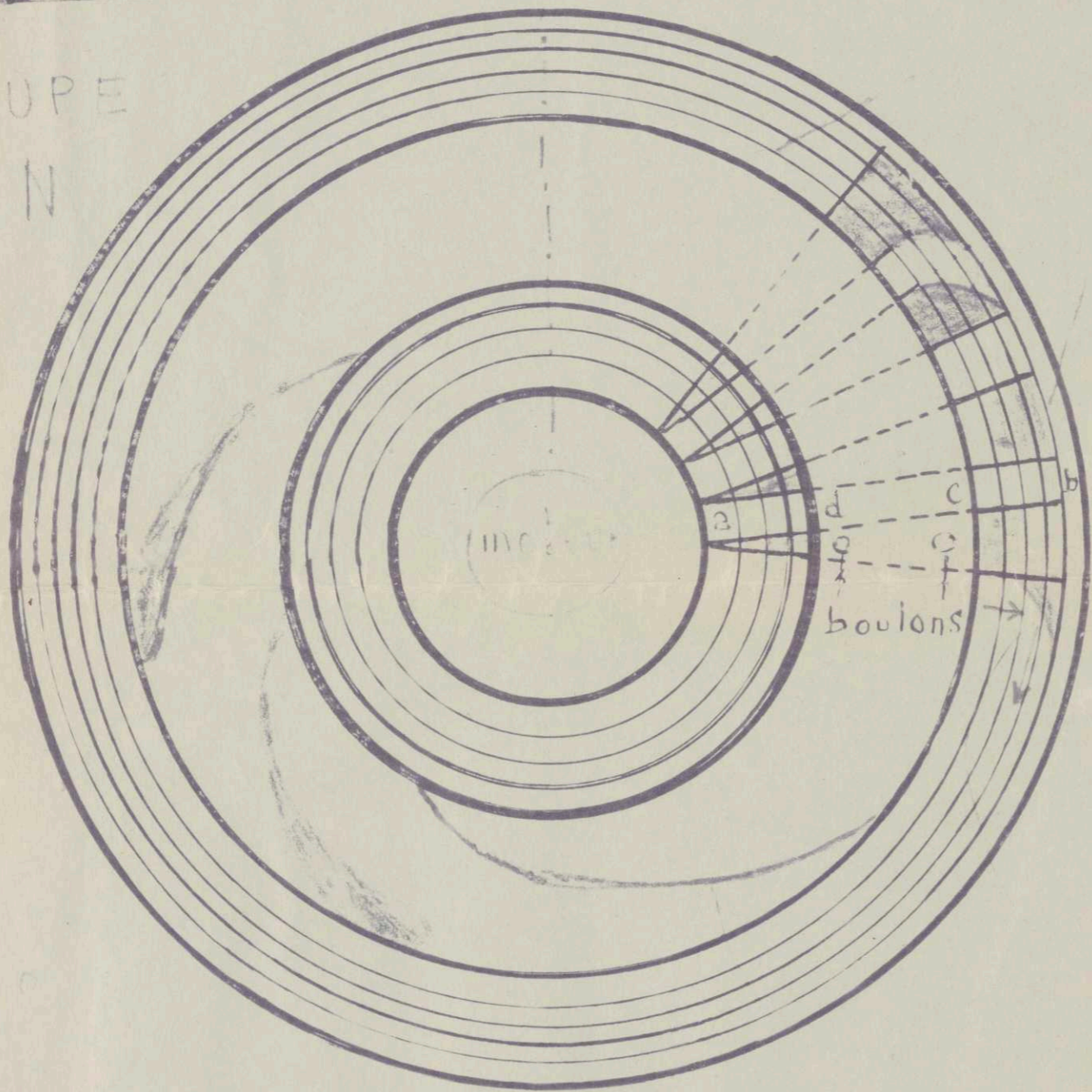
CÔNES CENTRIFUGES ASCENDANTS

5/8/53

J. Perdrizet Bollène
Vaucluse
Fr

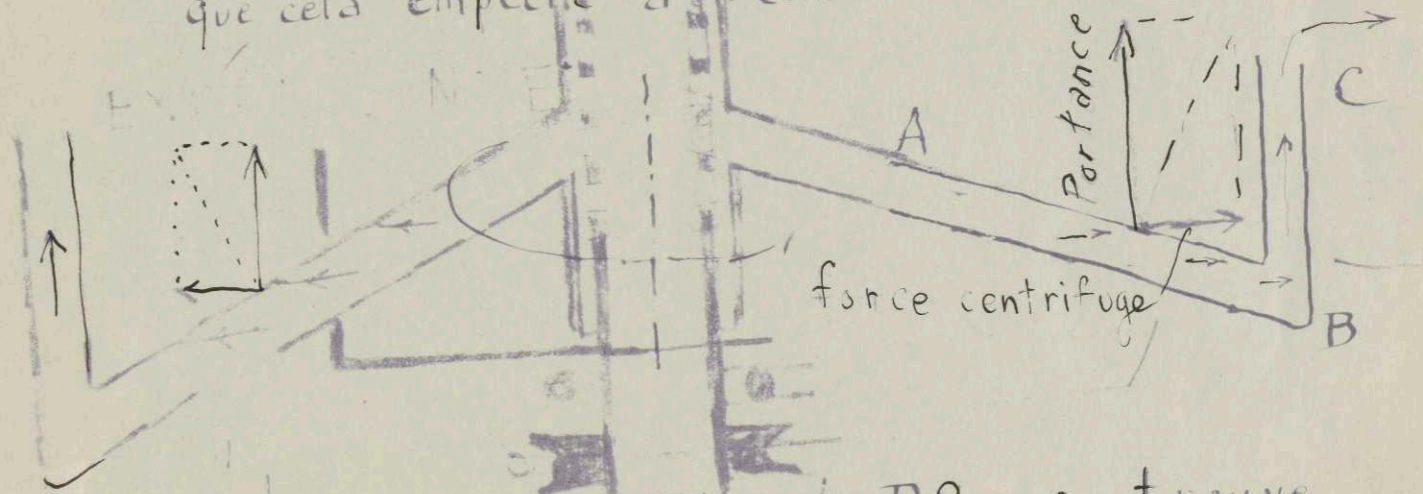


COUPE
M N



Ces cônes sont superposés et séparés par des triangles de tôle d'Aluminium qui forment entre eux des tubes dans lesquels l'eau reçoit une force centrifuge horizontale qui la fait glisser sous le cône supérieur des tubes contre lequel la force centrifuge correspondant à la traînée de l'avion se décompose suivant le parallélogramme des forces en une portance 15 fois plus grande si la pente du cône est $\frac{1}{15}$ cas général.

J'ai vérifié dans maintes expériences avec seulement 2 tubes opposés que l'eau peut remonter verticalement par un coude presque d'équerre soudé à l'extrémité du tube incliné sans que cela empêche à l'ensemble de monter.



Le coude vertical BC se trouve remplacé par une gorge annulaire Bc

Comme au-dessus du cône supérieur l'eau ne reçoit plus de force centrifuge elle peut revenir vers le centre et redescendre par la gorge annulaire DA dans les tubes a b et a' b'.
Ce dispositif a l'avantage d'être ouvert en haut et par suite de ressembler absolument à celui, plus simple, de l'expérience ascendante mais non récupératrice de l'eau.

Fantasy and Science Fiction

ANTHONY BOUCHER and J. FRANCIS MCCOMAS, Editors
2643 DANA STREET, BERKELEY 4, CALIF.

Aug 1 53

Dr Norbert Wiener
Massachusetts Institute of Technology
Cambridge 39 Mass

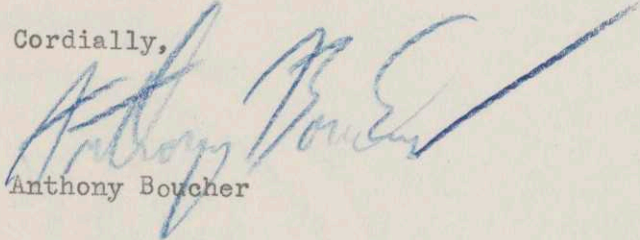
Dear Dr Wiener:

We're delighted with MIRACLE IN THE BROOM CLOSET, & exceedingly grateful to Groff Conklin for calling it to our attention.

You'll hear from our N Y office in a few days about reprint terms.

Has W Norbert published any other stories? Or written any that haven't been published? We'd be very happy indeed to see more in either category.

Cordially,


Anthony Boucher

AB:hjh

[ans 8/6/53]

groff conklin

% W. I. Van der Poel Jr.

R.D. 2, Hudson, N.Y.

~~432-west-22-street~~

~~new-york-11-n-y.~~

August 2, 1953

Dr. Norbert Wiener
South Tamworth
New Hampshire

Dear Dr. Wiener:

Just a line to let you know that the Editors of the Magazine of Fantasy and Science Fiction would be delighted to publish MIRACLE OF THE BROOM CLOSET in a forthcoming issue of their magazine. I have told them that I would notify you to this effect ~~and~~ also that they should get in touch with you directly as soon as I send them your summer address, which I am doing today. Should you want to write them before hearing from them, the address is:

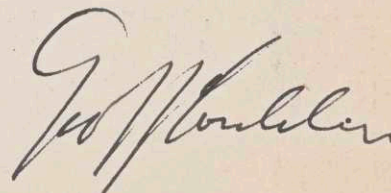
J. Francis McComas
Fantasy and Science Fiction
2643 Dana Street
Berkeley, 4
Calif.

I have no notion of their rates of pay or terms, and this will be something for you to work out with them. I have, on the other hand, sent them a copy of the forward I wrote for BRAIN in my Permabook edition, so that they will know how to handle the pseudonym problem.

I am very tickled that they are using the story, and you should be pleased with what they say: "Reprinting this story should give both our research and editorial departments lots of kudos!"

Your reactions to my suggested book-symposium, "The Peopled Universe," are awaited with the greatest of interest. I do hope you like the idea!

Very cordially yours,





LONG ISLAND UNIVERSITY

385 Flatbush Avenue Extension · Brooklyn 1, N. Y.

COLLEGE OF ARTS & SCIENCES

8/3/53

Professor Norbert Wiener
South Tamworth
New Hampshire

Dear Professor Wiener,

You frighten me, but I am sure that anything you might say will be good for my soul. Both my husband and I look forward to meeting you. Do you ever get down to New York City? If so, would you have dinner with us? Or what?

Very sincerely
William R. Lieber

Our home address is 624 A Third Street,
Brooklyn 15, N.Y.

Jan 8/1/53

Massachusetts General Hospital

Boston 14

IN BOSTON
GENERAL HOSPITAL
BAKER MEMORIAL
PHILLIPS HOUSE

BURNHAM MEMORIAL FOR CHILDREN
HALL-MERCER HOSPITAL
HUNTINGTON MEMORIAL HOSPITAL
VINCENT MEMORIAL HOSPITAL

DEAN A. CLARK, M.D.
GENERAL DIRECTOR

IN WAVERLEY
MCLEAN HOSPITAL
W. FRANKLIN WOOD, M.D.
DIRECTOR

IN LINCOLN
STORROW HOUSE
(CONVALESCENTS)

August 3, 1953

Professor Norbert Wiener
South Tamworth
New Hampshire

Dear Norbert,

I regret the delay in the forwarding of the enclosed outline, but securing a typist in these vacation months is very difficult, and as you will note, when you find one they don't know how to type!

Since this was to be a rather incomplete outline, I have not endeavored to correct it. The young lady who did the typing was quite enthralled with it. It has many loose ends which can be tied neatly together with our previous material. I think we have something, Norbert, and all that is necessary now is to nurture it to its adult form. I shall send a copy to Peggy, and shall await your words as to the division of labor (I feel I could write the whole thing).

Things for me are quite hectic in preparing for the Congress this month, and I can not tell you how wonderfully relaxing the weekend with you and Margaret was for me.

I do hope that all is well with you both. Marion sends her fond regards.

Sincerely,

Marion

[ans 8/5/53]

MADemoiselle

The Quality Magazine for Smart Young Women · 575 Madison Avenue, New York 22 · Telephone Plaza 9-2080

August 4, 1953

Mr. Norbert Wiener,
Center Sandwich,
New Hampshire

Dear Mr. Wiener:

Forgive me for disturbing the tranquility you must be enjoying in Cool New Hampshire. But we really need your help on something if you can spare the necessary moments. We're lost if you can't.

I am planning an article on College of the Future (Utopia U., 2053— or some such title). I'd like to give a picture of what college might be like in a hundred years or more, from the standpoint of Educational Philosophy, Scientific Methods of Teaching, Architecture.

Dr. Robert Hutchins is going to give us his ideas on what professors will be like, what courses they'll teach, what their aims will be, who will go to college etc.

Marcel Breuer will give us an idea of what this university may look like architecturally, classroom sizes, colors, materials.

We hope that you will consent to give us your thoughts on what machines might be used to teach students, what mental relationships might exist between student and professor, in what ways students might control their worrisome thoughts, how they might study, how much time will they devote to study and thought, how they will excersize their minds, contact other students and professors at other schools. How much of their work will instruments and machines perform for them. Will they use pencils, typewriters, ink, paper, or will there be another way of storing thoughts and ideas. Will students learn while they're asleep. Will they eat certain "thought" capsules or pills. Will they be able to influence others' thoughts. Will certain lights, classroom colors, pills be used for certain courses where thinking in one direction rather than another is required etc.

As you can undoubtedly see by my questions, I'm groping toward something—exactly what I'm not sure. I suppose that machines, inventions, drugs, mind-development etc. will change university life in a hundred years. I'm sure your feelings on this matter are much more intelligent.

(2)

If you will only consent to write me (even briefly) I think we can manage to conjure up a decent College of the Future for our readers.

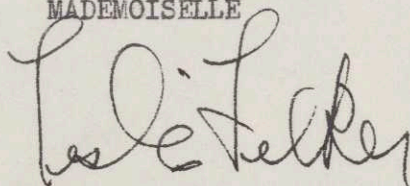
Since time is a problem (my deadline is August 18) could you please do me the favor of agreeing to this interview-through-the-mail, by sending your OK in a collect wire to:

Leslie Felker
Mademoiselle
575 Madison Avenue
New York City

Thank you so very much.

Best wishes,

MADemoisELLE

A handwritten signature in cursive script that reads "Leslie Felker". The signature is written in dark ink and is positioned above the typed name and title.

Leslie Felker
Assistant College Editor

P.S. If you decide to help us, could ⁺ have your notes as soon as possible---by the 14 at the latest.

2002 8/10/53

THE MAGAZINE OF *Fantasy and Science Fiction*
A MERCURY PUBLICATION

LAWRENCE E. SPIVAK, *Publisher* / ANTHONY BOUCHER and J. FRANCIS McCOMAS, *Editors*

570 LEXINGTON AVENUE, NEW YORK 22, NY

August 4, 1953

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

Dear Dr. Wiener:

The Magazine of Fantasy and Science Fiction would like to reprint in its American and foreign editions the story entitled "Miracle of the Broom Closet."

If the terms of the enclosed agreement meet with your approval, please sign and return the original and our check will be sent to you immediately.

Sincerely yours,

Robert P. Mills
Managing Editor

Robert P. Mills:lf
enc.

THE MAGAZINE OF

Fantasy and Science Fiction

A MERCURY PUBLICATION

LAWRENCE E. SPIVAK, *Publisher* / ANTHONY BOUCHER and J. FRANCIS McCOMAS, *Editors*

570 LEXINGTON AVENUE, NEW YORK 22, NY

August 4, 1953

In consideration of SEVENTY-FIVE (\$75) DOLLARS, I, W. NORBERT, the author, do hereby grant permission to Fantasy House, Inc. to reprint in the American and foreign editions of THE MAGAZINE OF FANTASY AND SCIENCE FICTION (in translation, where necessary) the story entitled MIRACLE OF THE BROOM CLOSET, which originally appeared in Tech Engineering News (MIT), April, 1952, reprint rights to which I own or control.

I also agree not to sell these same rights to any other magazine, any newspaper, radio or television program, or book publisher prior to its publication in THE MAGAZINE OF FANTASY AND SCIENCE FICTION, and for three months thereafter.

Copyright (year) 1952, held by

Tech. Engineering News (MIT)

Norbert Klein

THE UNIVERSITY OF CHICAGO
CHICAGO 37 • ILLINOIS
DEPARTMENT OF MATHEMATICS

August 4, 1953

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

Dear Professor Wiener:

Please find enclosed a reprint of a paper on harmonic analysis - perhaps you might like to see how, on the basis of your work, the subject is continuing to develop.

Sincerely yours,
Hans Reiter.

[ans 8/10/53]

EDMUND C. BERKELEY AND ASSOCIATES
Consulting Service

ACTUARIAL PROBLEMS & PENSION PLANS . . . METHODS ENGINEERING . . . AUTOMATIC COMPUTING MACHINERY & ROBOTS
APPLIED MATHEMATICS AND STATISTICS . . . NEW APPLICATIONS OF SCIENTIFIC RESEARCH AND MODERN TECHNOLOGY

36 West 11th St., New York 11, N. Y.
ALgonquin 4-7675

19 Milk St., Boston 9, Mass.
LIBerty 2-8590

159 North Dearborn St., Chicago 1, Ill.
STate 2-8805

New York

August 5, 1953

Dr. Norbert Wiener
Massachusetts Inst. of Technology
Cambridge 39, Mass.

Dear Dr. Wiener:

I would very much like to publish an article by you in a forthcoming issue of our magazine COMPUTERS AND AUTOMATION. What occurs to me is something understandable, not too technical, and 1000 to 4000 words long on some topic interesting to you in the field of computers and automation, or their applications or implications. We pay for articles from \$10 to \$50 when we accept them -- if an author desires to be paid! If you have not seen a recent copy of COMPUTERS AND AUTOMATION, tell us and we shall be glad to send you one.

Would you be able to write an article for us? What topic would you be inclined to choose?

Yours sincerely,

Edmund C. Berkeley
Edmund C. Berkeley
Editor

ECB:pr

[ans 8/10/53]

OPTICAL SOCIETY
OF AMERICA
ROCHESTER SECTION
ROCHESTER, N. Y.

August 5, 1953

Please address writer at:
Research Laboratories
Kodak Park Works
Eastman Kodak Company
Rochester 4, New York

Professor Norbert Wiener
Massachusetts Institute of Technology
Cambridge, Massachusetts

Dear Professor Wiener:

The membership of the Rochester section of the Optical Society of America would be very much interested in hearing a first-hand account of your recent work in the field of cybernetics. As chairman of the program committee I am writing to you to invite you to be a speaker at one of our regular meetings during the 1953-54 season. At the present time, April 13, 1954 looks like a good date. Please do not consider yourself restricted by these suggestions; we would be delighted to hear you on any subject and we shall make every effort to work out an alternative date if that would be preferable.

Our group of over 400 members is the oldest and largest local unit of the Optical Society. With membership drawn from the University of Rochester and from the optical and photographic industries here, we represent a broad range of interests in optics and related fields.

We meet on the second and fourth Tuesday evenings of every month from October to May to listen to an invited speaker. The customary length of these talks is about one hour; they are usually followed by some informal discussion. The attendance varies between fifty and one hundred members. A somewhat smaller, more sociable group gathers earlier in the evening to meet the speaker at the dinner table; there are no speeches at that time.

It has not been our custom to offer our speakers a fee beyond their traveling expenses. We hope that this will be acceptable to you, and that you will permit us to reimburse you for all expenses incidental to your trip.

OPTICAL SOCIETY
OF AMERICA
ROCHESTER SECTION
ROCHESTER, N. Y.

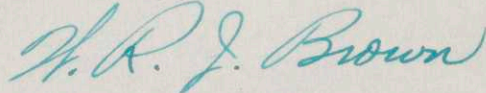
Professor Norbert Wiener

-2-

August 5, 1953

Please let me know at your earliest convenience whether you will be able to accept this invitation. I am sure you will understand why we must arrange these meetings rather far in advance. If you can accept, I shall be happy to assist you later on with hotel reservations, train or airplane tickets, visits to Rochester laboratories and plants, and other detailed arrangements. We sincerely hope you will come.

Sincerely,



Walter R. J. Brown
Chairman, Program Committee

WRJB:jmg

[ans 8/28/53]

South Tamworth
New Hampshire

August 5, 1953

Dr. Morris Chafetz
Massachusetts General Hospital
Boston 14, Massachusetts

Dear Morris:

Your notes on The Day of the Dead are now at hand, and I shall talk them over with Peggy when she comes up this Friday. I haven't had a chance to look over your outline yet, and I shall put off work on it until I am through with the first draft of the second volume of my autobiography, so I shall probably see you at the Electroencephalographic Congress before I put pen to paper. The autobiography now will embrace some one hundred sixty-seven pages when I get done dictating to Janet today, and as I hope to have it about four hundred pages long, I shall finish it sometime next week. This means merely, however, that I shall have practically all the material on paper, but that I shall not have the connection and fill-in work done until I take it up again later in the fall, with the exception of one chapter which is already in shape. I shall bring my material down to Boston for you, and we shall have a chance to talk it over.

Molly sent up a lot of material on auto-correlation and cross-correlation in connection with brain waves. They look awfully good to me, and far sharper than I had any right to expect. I am now certain that the lead we have been working on is every bit as promising as I had supposed before, and I shall discuss it at the Congress, and particularly with you in person.

We enjoyed having you here tremendously, and hope and are confident that it will not be the last time.

Margaret joins me in sending regards.

Sincerely,

Norbert

NW:jc

South Tamworth
New Hampshire

August 6, 1953

Baker House
Massachusetts Institute of Technology
Cambridge 39, Massachusetts

Gentlemen:

I shall be in Boston for a few days beginning about the sixteenth of August to participate in the Congress of Electroencephalography. I can't give my dates as yet too precisely, but will you put me up? I enjoyed my stay with you very much last time, and could ask for nothing better than to continue to make Baker House my headquarters.

Sincerely yours,

Norbert Wiener

NW:jc

South Tamworth
New Hampshire

August 6, 1953

Mr. Anthony Boucher
2643 Dana Street
Berkeley 4, California

Dear Mr. Boucher:

Many thanks for going ahead with the Miracle. I wish to warn you that both the boss and the janitor are based very closely on real people, but I don't think I have said anything libelous about them. I am awaiting a letter from your New York office about reprint terms.

W. Norbert has another story entitled The Brain in the hands of Groff Conklin and already published in the Technology Engineering News, an M. I. T. student publication which does not pay. W. Norbert, together with his daughter Peggy and a young psychiatrist Morris Chafetz is busy at present on what will amount to a psychological crime novel entitled The Day of the Dead, which also has a Mexican background of the same degree of authenticity and in fact involving some of the same characters. W. Norbert's inseparable friend and colleague N. Wiener is now on the home stretch of a second volume of his autobiography, bringing matters from his arrival at M. I. T. in 1919 up to this present day of confusion.

You will be interested to know that I had previously tried both the Miracle of the Broom Closet and The Brain on the Ellery Queen Magazine without any successful results.

Sincerely yours,

Norbert Wiener

NW:jc

South Tamworth
New Hampshire

August 6, 1953

Dr. Mary Brazier
Massachusetts General Hospital
Boston, Massachusetts

Dear Molly:

You can count on me at the opening days of the meeting and for so long as there is any real point in my being there. I am going to try to bring some of my friends up to the farm to stay a few days. I am thinking particularly of Grey Walter, Ashby, and Marcel Monnie.

The work that you have shown me concerning auto-correlation and cross-correlation is extremely sharp and valuable, and I shall have a great deal to say about it to you when I see you the next time. One thing that it has already done is to establish the alpha on a basis of reality and precision which it has scarcely been established before. Whatever else may be an artefact, the alpha wave isn't, and it wought to be quite easy to find what part of the brain is driving what other part.

Please pass on my best regards to all my friends.

Sincerely yours,

Norbert Wiener

NW:jc

South Tamworth
New Hampshire

August 6, 1953

Mr. Groff Conklin
c/o W. I. Van der Poel, Jr.
R. D. 2
Hudson, New York

Dear Mr. Conklin:

I am delighted with the miraculous acceptance of the Miracle and shall be glad to take what terms they give me. I have already received a note from Anthony Boucher and I am writing to him to the same effect. Many thanks for your repeated and continuous courtesy.

Sincerely,

N. Wiener, or
W. Norbert
(as the case may be)

NW:jc

South Tamworth
New Hampshire

August 6, 1953

Mr. Jason Epstein, Editor
Anchor Books
Doubleday & Company, Publishers
575 Madison Avenue
New York 22, New York

Dear Mr. Epstein:

We enjoyed your stay here very much, and I am particularly pleased that you like the revision and see possibilities in my book as an Anchor book. I hope as an Anchor book it will be a firm mooring for your new ship, rather than something that goes to the bottom like a plummet.

We all send sincere regards.

Sincerely yours,

Norbert Wiener

NW:jc

South Tamworth
New Hampshire

August 6, 1953

Mr. Andrew H. Neilly, Jr.
Assistant Sales Manager
John Wiley & Sons, Inc.
440 Fourth Avenue
New York 16, New York

Dear Mr. Neilly:

Thanks for the copy of NATIONALISM AND SOCIAL COMMUNICATION which is now waiting for me at my office at M. I. T. I was closely associated with K. W. Deutsch when he wrote the book, and we have talked phase after phase of it over together. I shall certainly be glad to give the book a proof, for I already know it to be good.

Sincerely yours,

N. Wiener

NW:jc

P. S. Please tell Mr. Matheson that I am on the home stretch of the second volume of my autobiography which I also intend to get to Simon and Schuster, and that when I have a copy of manuscript or proof free, I shall certainly send it to him to read.

N. W.

South Tamworth
New Hampshire

August 6, 1953

Dr. Armand Siegel
10 Kilburn Road
Belmont, Massachusetts

Dear Armand:

I should like to accept your judgment in the matter of the number of reprints to ask for. It is certainly the important paper for both of us, and if we can't get the money out of Tech for any number for which you can see a reasonable demand, I am certainly willing to fork out personally. On this basis please follow your own judgment, and I will back you up.

Sincerely yours,

Norbert

NW:jc

P. S. We are having a very nice time up here in the mountains, but I shall be in town in less than two weeks and hope to have a chance to see you.

N. W.

South Tamworth
New Hampshire

August 6, 1953

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

Dear Mr. Simon:

I am not surprised that the autobiography is in the doldrums for the summer, because I understand the summer to be a dead period for most books. I hope that the let up in its sales is at least in part temporary, and that whether temporary or not, it hasn't unsold you concerning my next book of autobiography which will carry matters down to the present time. I have found an excellent secretary up here in the country to whom I am dictating this second book, and together with whom I have now finished something like one hundred sixty-five pages. You will understand that I speak now merely of the absolute first manuscript in a form which still needs considerable connectives and proportioning before I send it to you, but I certainly will be ready to send it before the beginning of the academic year at the end of September.

I have just managed to dispose of a couple of my pseudonymous mysteries or fantasy stories through Groff Conklin and Anthony Boucher. As to The Day of the Dead, my two collaborators and myself are busy at work on it and hope to make it rather a psychological novel with the theme of crime than a detective story in the true sense. When we are satisfied with it, we shall send it to you to take a look at, and although we like it very much, we are quite prepared for the shock if you don't.

Doubleday are just reprinting a revised edition (the revision is already made) of the Human Use of Human Beings as a 75 cent book in their Anchor series. There is no trouble with Houghton Mifflin, as Doubleday had already made arrangements with them before consulting me, and as I took immediate steps to see that my very detailed revision of the book would not be considered by them in any way as a violation either of contract or gentlemen's agreement.

With the hope that we shall soon resume correspondence on a professional as well as a friendly basis, I remain,

Sincerely yours,

Norbert Wiener

Aug 7th '53.

29 Montgomery Street
Bangor, Maine

Dear Professor Wiener

About a month ago
I had a conversation
with John Marquand.

He had read your
autobiography and said
that he would very much
like to meet you.

I said that was easy
and asked him to lunch
at MIT Faculty Club
saying that I would get
word of you.

While I was about to
do that I read in the paper

That he had just had a
heart attack and was in
hospital.

However he may be OK
again and perhaps we
could get together in
the autumn.

When will you be back
at the Institute, and
when do you plan to
leave for India.

I too am on vacation
now so please reply
to the above address.

I shall be back at MIT
Sept 10th.

Cordially yours

[and 8/28/53] Howard Means.

Paul Rosenberg Associates

Consulting Physicists

CABLE: PHYSICIST

MOUNT VERNON 7-8040

100 STEVENS AVENUE · MOUNT VERNON, NEW YORK

7 August 1953

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

Dear Professor Wiener:

Mr. Jerome Rothstein of 21 Bergen Place, Red Bank, N. J., has applied to us for a position as physicist on our research staff, and has given your name as reference. The research position for which we are considering Mr. Rothstein requires the application of information theory; Mr. Rothstein advises us that you are acquainted with his work in this field, and he has given us his permission to ask your opinion as to the quality of his work in this field.

We shall appreciate any additional comments you can give us concerning Mr. Rothstein's personal qualifications and ability as a physicist. Your reply will be kept in confidence.

Thank you for your assistance in this matter.

Sincerely,

PAUL ROSENBERG ASSOCIATES

Paul Rosenberg
Paul Rosenberg

PR:MD

[ans 8/19/53]

South Tamworth
New Hampshire

August 10, 1953

Edmund C. Berkeley and Associates
36 West 11th Street
New York 11
New York

Dear Mr. Berkeley:

Many thanks for your request for an article for computers and automaticians. At present I am completely occupied with a new book which I am writing, but I may have something to send you later on in the autumn. I shall let you know as soon as I do and shall submit it to you.

Sincerely yours,

Norbert Wiener

NW:jc

South Tamworth
New Hampshire

August 10, 1953

Miss Leslie Felker
Assistant College Editor
Mademoiselle
575 Madison Avenue
New York 22, New York

Dear Miss Felker:

I am afraid that I have no material available for you concerning automata and education. I am extremely busy at present and cannot give you an interview.

Sincerely yours,

Norbert Wiener

NW:jc

South Tamworth
New Hampshire

August 10, 1953

Reference: MEDEC-ZSE

Andre D. Glinos
Captain, MC
Div of Exper Surg
Army Medical Service Graduate School
Walter Reed Army Medical Center
Washington 12, D. C.

Dear Dr. Glinos:

I am intensely interested by what you say about negative feedback in connection with leukemia. I shall think the matter over and if there is any suggestion that I have, I shall forward it to you promptly. Your letter makes me feel that both you and I have been on the right track.

Sincerely yours,

Norbert Wiener

NW:jc

South Tamworth
New Hampshire

August 10, 1953

Mr. Hans Reiter
The University of Chicago
Department of Mathematics
Chicago 37, Illinois

Dear Mr. Reiter:

Many thanks both for your paper and your friendly
letter. I do think there is a great deal still to be done
in harmonic analysis.

Sincerely yours,

Norbert Wiener

NW:jc

THE MORROWS CORPORATION

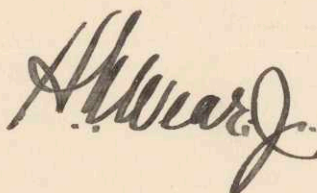
HORACE G. WEAR, JR., PRESIDENT

August 11, 1953

Dear Dr. Wiener:

You are invited to attend a meeting of the Committee On The Computer, which will meet for cocktails and dinner at 5:30 P.M., on Friday, August 21st, at the White Turkey Town House, 12 East 49th Street, New York City. While we are having cocktails, a film will be shown explaining the nature and operation of the Univac Fac-tronic System; and a general discussion of the Committee's problem will follow. Dinner is arranged for an early hour so that any who have tickets to shows may get away in time. The enclosure is intended to make the need for after-dinner speaking unnecessary.

Sincerely,



Dr. Norbert Wiener
Massachusetts Institute of Technology
Boston, Massachusetts

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

77 MASSACHUSETTS AVENUE
CAMBRIDGE 39, MASSACHUSETTS

HOUSING OFFICE
HENRY K. Dow, *Mgr.*

August 12, 1953

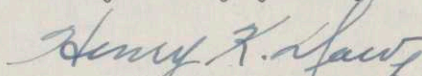
Professor Norbert Wiener
So. Tamworth, New Hampshire

Dear Professor Wiener:

Thank you for your letter of recent date.
We shall be very pleased to accommodate you in Baker House for
a few days commencing August 16. You will have the same room
you occupied during your recent stay.

We look forward to the pleasure of serving
you again.

Very truly yours,



Henry K. Dow, Manager
Housing Office

HKD:11



SIMON AND SCHUSTER, INC.

publishers

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

August 12, 1953

Dear Dr. Wiener:

I am delighted to hear about your literary activities, and I look forward to receiving both the first part of your new autobiographical work and "The Day of the Dead".

Meantime, heartiest congratulations on the marketing of your short stories. I would love to know where they are to appear so that I may purchase a copy. And even heartier congratulations on the republication of "Human Use of Human Beings" in the Anchor series. This is, by all odds, the most serious, dignified, and intellectually exciting of all the paper-back reprint series.

Very sincerely,

Henry Simon

Dr. Norbert Wiener
South Tamworth
New Hampshire

HWS:tab

[ans 8/28/53]

D. L. Weir, ^{Man} ^{Just} of ^{the} ^{East}

Aug. 12 '13

Page 2

The fluting of syllables is noted in early Anglo Saxon, it is seen in Old Norse - Norwegian - Irish pronunciation. A method of musical notes may be basic as children early speech (uncertain) with search for an apparatus to read aloud from a printed page. Recently while reading Cheever I was reminded of 40 yrs ago when I ate the same Cheever for a time in the yard. Chemical reactions as taste could be added to the first

Salt is shown to be an excellent addition to a used battery of stimulus. If ~~vacuum~~ syllables were given a saline + non saline with the first. as musical sounds also perhaps the use of anti biotics which have an effect of pulling a clear of film as soap bubble on related bacteria or molecules for a limited time may be of use in a chemical action of reaction as a mean of recognition in the action of thinking (or reaction)

In a vacuum + non vacuum the results may have some interest in this regard as a stimulus. It is shown that lack of oxygen has a effect on the thinking (slows down the process). The effect of various drugs as cocaine ect means the process of the shutting off of the process of thinking by gas, various antibodies. Fasting is the use of chemicals of the brain or blood of a basic or containing nature

have an effect as early Scientists + Profets of stimulating
early of original mass of thinking parts of the brain
+ recall of forgotten religious phenomena or
so called prodigies. This shows the chemical nature
of thinking. (Casting). The experiments by English
they conducted have shown the effect of early recall
(1 note has been). The musical notes heard at
that time may be related to a chemical reaction
of basic social relationship to thinking.

The chemical reaction of smoking (tobacco) has
a manner of stimulating thinking at times.

The phenomena of hypnosis seem to be putting the
subject into a suspended state as sleeping or non
conscious thinking + the automatic use of subliminal
signals or sounds (instants of gestures) + an
automatic response by non use of sight or an ex-
tremely sound process which is a gesture method as
speech + hearing give in a low of recognitive manner.
This is broken by a lack of this method or by sleep or
a lack also of stimulation. They seem will react
later in a non willful manner (if instructed) shows
a separation of the two processes at that the so called
will is a student of a negative or positive process
of automatic thinking. This is shown in the long running
of instruction or method by the automatic process. This
can be proved by teach method while sleeping or non
willful process. It would seem the process of ~~automatic thinking~~
is related to sound, gesture or stimulus by use of chemicals
can be induced or reduced is related to the whole ^{of automatic thinking} ~~as in part the brain~~
is not developed has stimulating condition (chemical) + could but has
studied in water when changing chemical nature simply the changes
+ recognized of them in a automatic manner. of 7/16

The recall under hypnosis by the English et
points must be due to the clinical nature of
his subject given him by his mother or father of
a related brain structure of development as
in interest or intention. This shows a continuing
process which may be shown by examining several
generations of one family (under hypnosis) and
a study of the chemical nature of the family.

A record of the sound or musical sounds
heard should be of interest if possible if being
given. If an intelligent & learned man were
hypnotized his method of remembering & thinking
might be of some use if recorded, studied
by the subject & then rehypnotized for further
information. He would have to be ready to
recognize all manner & methods of recognition
as music, quantum method, chemical nature
hardly, use of organs of senses & non use
all relative to quantum processes, outside
influence as non willful & automatic, the
willful & intentional or intentional methods
all mathematical formulas of process as being
automatic in this study the most intelligent
& learned man would seem to be the most
useful in a study to learn how we think
automatically.

South Tamworth
New Hampshire

August 14, 1953

Paul Rosenberg
Paul Rosenberg Associates
100 Stevens Avenue
Mount Vernon, New York

Dear Mr. Rosenberg:

While I have met Mr. Rothstein a few times, most of my contact with him is by scientific correspondence. I certainly am convinced that he is a man of brilliant ideas along precisely the lines which quantum theory seems to be developing. Personally I have a favorable impression of him, although as I have said, my contact with him is too brief for an accurate assumption of his personality.

Sincerely yours,

Norbert Wiener

NW:jc

JOHN WILEY & SONS, INC.

ESTABLISHED 1807

PUBLISHERS OF BOOKS

440 FOURTH AVENUE
NEW YORK 16, N.Y.

W. O. WILEY,
CHAIRMAN OF THE BOARD
E. P. HAMILTON,
PRESIDENT
E. A. SMITH,
VICE-PRESIDENT & TREASURER
MARTIN MATHESON,
VICE-PRESIDENT
W. B. WILEY,
VICE-PRESIDENT & SECRETARY

J. S. SNYDER,
ASSISTANT VICE-PRESIDENT
J. S. BARNES,
ASSISTANT VICE-PRESIDENT
TELEPHONE
MURRAY HILL 9-7630

August 18, 1953

Dr. Norbert Wiener
South Tamworth, New Hampshire

Dear Dr. Wiener:

My good friend, Mr. Peter L. K. Wait, a Director of our London associates, Methuen & Company Ltd., sent me a few days ago an interesting letter and prospectus for a proposed new book tentatively entitled THEORIES, MODELS AND BRAINS. I believe you may be acquainted with some of the work done by the author, Dr. D. A. Sholl of University College, London, and may even be personally acquainted with him.

By way of further explanation, I quote from Mr. Wait's letter as follows:

"I enclosed a prospectus drawn up by the author. His name is Dr. D. A. Sholl, and he is a member of the Department of Anatomy and Embryology (rather loosely so-called) at University College, London. He is carrying out a research project on the human brain and cortex, under the direction of Professor J. Z. Young. I think eventually he wants to write a long and learned book about the cortex, but in the meanwhile he offers a rather less technical book on the functioning of the human brain and the analogy of computing machines, and such like. This is rather unusual country for me, but I found Sholl himself rather an impressive individual. He has obviously done a good deal of valuable research, and published very little of it so far. He is, I think, known in the States, and I think knows Norbert Wiener. His book would, I imagine, be not nearly so technical as Ross Ashby's, but probably rather more so than Grey Walter's THE LIVING BRAIN, and will be much less narrow in outline."

The prospectus referred to above is enclosed.

I do hope that you can let me have what I know will be your very frank opinion of Dr. Sholl should you be familiar with his abilities and his proposed book. We have done well with Ashby after a somewhat uncertain start and now look forward to

FROM JOHN WILEY & SONS, INC.

TO Dr. Norbert Wiener

FOLIO 2

DATE 8/18/53

that book enjoying a more than usual success for an import. Of importance to the success of Ashby was the tribute you paid the book in the essay which you wrote for ELECTRONICS.

I shall eagerly await your reply.

With kind personal regards,

Cordially yours,

Ed. Bradford Wiley

Vice President & Secretary

WBW/FP
encl.

Automatic Switching for Nationwide Telephone Service.

"We can be sure that societies that use to the full the new techniques of communication - by better language and by better machines - will eventually replace those that do not." (Professor J.Z. Young in one of his Reith Lectures).

In my view it is simple to design a nationwide service whereby dialling is restricted to those digits where the numerals differ from those of the customer - ignoring any chance identity of numerals. Thus if customer 9-75-32-22 called up customer 9-75-32-46 he need dial 64 only, and all numbers would be printed backward - as 64-23-57-9 - for convenience; and if he called up 9-23-93-86 he would dial six of the seven numbers, indicating a trunk call about one-ninth of the maximum distance of the system. *The facsimile accounting record is reversed for switching.*

Just as binary is the most efficient code in the handling of information or in the parlour game of 20 questions, so scale-three is more efficient than scale ten provided it is well organised. We therefore discard the zero numeral and organise the other nine as 1-2-3 4-5-6 7-8-9 (or 4-1-5 6-2-7 8-3-9) and organise both switching and accounting operations in stages of scale-three. The high-digit "arteries of communication" would be employed progressively as the effective distance of the call increased - allowing for varying densities of population. This progressive employment of digits would greatly simplify the pricing of calls.


The proposed plan would be simple to apply and flexible in meeting changes in population; the country would be divided in three regions of roughly equal importance; each region would then be divided in three and subdivision would continue till each customer had been identified by a number in scale-nine. Pairs of digits in scale-nine may then be grouped in scale-80 (augmented for the empty case at the centre of the four-dimensional matrix); for example the 9-75-32-46 customer would be named Manchester 9; the reversal of digits for switching and accounting precludes the geographical allocation of names such as man-che-ster or gl-as-gow. In spite of this limitation errors in dialling are likely to be greatly reduced.

It is of interest to contrast this simple plan with the plan for the U.S. and Canada described in the Bell System Technical Journal for September, 1952, by two past Vice Presidents and by the assistant chief engineer of American Telephone and Telegraph Company; their basic requirements - which are all met by the above plan - are:-

1. Both customers and operators must have direct dial contact; that is, any two telephones of the 50,000,000 in use may be connected.
2. Delays due to lack of circuits or equipment must be very infrequent in order to avoid the tie-up of expensive switching equipment.
3. Control switching points must be put at "strategic points".
4. There must be flexibility to meet changing conditions.

In the plan described above the strategic importance of switches increases gradually and there is maximum flexibility with minimum cost.

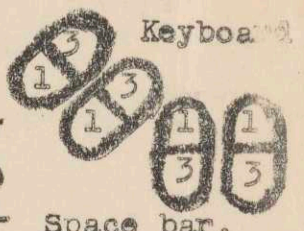
The nature of electronic apparatus is binary (black-white, pulse-none or yes-no) and the clamant need of our age is for a common language or bridge so that we may communicate with our apparatus; the telephone dial may be an imperfect solution.

We can organise eight numerals in three of the eight positions  8 ::::80 which we show alongside, the base of the visual symbols being arbitrary and a matter of human convenience only; we can then provide a set of names that indicate the component parts; an alternative set of names is less convenient for everyday use, but can be linked to the 64 combinations of major and minor premise in logic. Similarly we can organise our alphabet and our shorthand in a code of 80, using eight positions, as shown. The layout of our delta-control keyboard is also shown and the output of this typewriter (with small carriage-movement) is a pattern of black-white dots that may be microfilmed in 36:1 ratio. This pattern of dots may be read electronically and fed to transducer typewriters or to a facsimile sorting apparatus (BESS - Bookkeeping Electronic Selective Switch Pat. App. 4397/51). The dots may also be linked for convenience by lines, as shown in the matrix. For alphabetic purposes the first of the three verses is for capitals and the third for punctuation, etc. The shorthand pattern consists of 70 words and 10 letter-clusters represented by uncommon words (manchester: man-each-star). The nine lines have many rhymes and the keyboard of the teacher can be linked electrically or mechanically to those of the code-trainees to enable him to convey the tactile pattern of dots. The BESS facsimile process has a pilot cell for feeding advance information to a series of selective switches.

4 2 1
zero go have ve go
0 / 1 / 2 / 3 / 4 / 5 / 6 / 7 / 8 / 9
judge jugo jif javgo
goty goty-go, etc.

Group 3 Ogam 3
Group 1 Ogam 1
(Left of keyboard)

Line 1 Verse 1
Line 3 Verse 3.
1-G-3 1 1
1-O-3 (L) (V)
3 3
cab fed hij
kog v w lmn
qup rst xyz



Space bar.

D.S. Blacklock, 8 Wood Lane, Iver Heath, Bucks.

8, Wood Lane,
Iver Heath, Bucks.

20th August, 1953.

Professor Norbert Wiener,
M.I.T., Cambridge 39, Mass.

Dear Professor Wiener,

Acting on your advice of March 25 I sent my patent specification 4397/51 to I.B.M. (United Kingdom) and after receiving the enclosed reply I called on their Patent Department manager. During the interview he expressed the view that I had something of interest, but that it was not possible at the present stage to convey the method to his Board of Directors

Another of my ideas is described on the other side of this sheet.

Other ideas - of a statistical nature - are in my typescript "Signpost to Pattern - a statistical sketchbook", a copy of which has been sent to Dr Snedecor of the Iowa State College.

Thank you for the "doctor", but I am only an M.A. graduate in economics (Cambridge - Emmanuel College) and a Scottish Chartered Accountant. Up to the end of this month I am statistician at a large firm of electrical engineers, but I have been asked to leave. I am quite at a loss where to find other employment; I am 44 and my predicament is so serious that I feel at liberty to copy two sentences written to me on 8th June by the Chief Accountant of the company I try to serve:-

"I would respectfully suggest that more output is the keynote and until everyone takes off their coats, rolls up their snirt sleeves and gets "stuck into" their work, all these statistics, budgets, etc., are all bunkum. We had no need for spoonfeeding in 1925."

In my reply I wrote:-

"Thank you for the hint conveyed to me in your letter. Quantity of work is just as important as the quality of work. It is possible that (one of the factories) put quantity before quality, ~~but I suppose~~ with the result that production was less than it should have been."

And the Chief's reply read:-

"In your last paragraph you say that it is possible that (the factory) put quantity before quality, but I suppose you mean the reverse way round, and even then you would be quite wrong."

There was clearly no point in defending my reputation further.

Yours sincerely,

D S. Blacklock

IBM UNITED KINGDOM LTD.

PATENT DEPARTMENT

E. D. SWANN, M.Brit.I.R.E., A.M.I.E.E.
CHARTERED PATENT AGENT

Cables : SWANN, INBUSMACH, LONDON

YOUR REF :

17 BERKELEY STREET,
LONDON, W.1

Telephone : MAYFAIR 7494

OUR REF : EDS:jw

22nd June, 1953.

D. S. Blacklock, Esq.,
8, Wood Lane,
IVER HEATH,
Bucks.


Dear Sir,

I thank you for your letter of the 20th June.

I have now had an opportunity to look through the material sent me with your earlier letter and I have read the copy of your complete specification No. 4397/51 with interest. However, I do not find that either your system or the apparatus which you propose to use in connection with your system is precisely explained in detail therein. No doubt this will be remedied during the prosecution of your patent application and I would therefore ask you to write to me again when your patent has been granted so that I can then read the specification in its final form. In the meantime, I will retain the papers sent to me until I hear from you again.

Any queries which you may have regarding the use of our machines and our computing service would be better addressed to our Sales personnel, who I know would be only too pleased to give you every assistance.

Yours sincerely,



E. D. Swann.

New-York, Aug. 22, 53.

Sehr geehrter Herr Professor,

Ich schreibe Deutsch, weil es mir leichter fällt. Ich will Sie aber darauf aufmerksam machen, daß es mir gar keine Schwierigkeit bereitet, Englisch zu lesen und Sie mir ruhig englisch antworten können.

Zwei Dinge sind es, die mich bestimmen an Sie zu schreiben - wiewohl ich mir Rechenschaft gebe, daß ich damit Ihre kostbare Zeit in Anspruch nehme, ich bitte mich daher freundlichst zu entschuldigen.

1. Ich bin gerade mit Ihrem Buch "Ex-Profidy" zu Ende, und ersehe daraus, daß Sie der Sohn von Leo Wiener sind. Da Jiddisch-Studien mein Hauptinteresse darstellen, werden Sie es begreiflich finden, daß ich an einer Aufstellung einer Biographie Ihres verstorbenen Vaters interessiert bin. Ich wäre Ihnen also vom Herzen dankbar, wenn Sie sich die Mühe nehmen würden mir zu schreiben, wo ich entsprechendes Material finden könnte und ob ich eventuelles Material, das in Ihrem Besitze ist (wie Zeugnisse, Geburtschein, Reise- u. Bürger-schaftspapiere u. ä.), konsultieren dürfte.

2. Meine zweite Frage betrifft die Deutsche Übersetzung von "The Human Use of Human Beings", die im Jahre 1952 in Deutschland erschienen ist. Es ist mir nämlich aufgefallen, daß der Deutsche

Übersetzer in der Stelle im fünften Kapitel
(*'The History of Language'* p. 98; *'Die Geschichte
der Sprache'*, p. 90), wo von Mischsprachen die
Rede ist, 'Yiddish' (nach 'Suahili') übergangen
hat. Ist es mit Absicht geschehen? Es war
anscheinend gegen den Geschmack des Übersetzers.

Einer baldigen Beantwortung meiner
Fragen entgegensehend, verbleibe ich

mit vorzüglichster

Hochachtung

Yhr Chaim Fwinger

UNIVERSITY OF CALIFORNIA

DEPARTMENT OF MATHEMATICS
LOS ANGELES 24, CALIFORNIA

August 24, 1953

Professor Norbert Wiener
Massachusetts Institute of Technology
Cambridge, Massachusetts

Dear Professor Wiener:

I am very happy to know that you will give the lecture, Theory of Prediction, in the Mathematics for Modern Engineering series starting on Monday, October 19 in Los Angeles. An official notice will be sent to you from our business office within the next two weeks. You will be allowed \$450 for travel and subsistence which you may use in any way you see fit.

Our office is prepared to help you with travel plans, hotel reservations, and in any other way possible such as meeting you at the train or plane, etc. Since you will be traveling on state business we can provide you with travel exempt slips. Please write me about any help you may need.

The following suggested plan of travel from one lecture to the next may be of help to you.

Monday night, Lecture, Los Angeles Campus, University of California.
Overnight in Los Angeles.

Tuesday, by car (furnished by the University) to Corona.
Tuesday night, Lecture, Corona Laboratories, National Bureau of Standards.
By car (furnished by the University) back to Los Angeles.
Overnight in Los Angeles.

Wednesday, 8 a. m. plane to China Lake
Wednesday afternoon, Lecture for U.S.N.O.T.S. at China Lake
By car (furnished by China Lake) to Mojave to catch
train to Berkeley (8:55 p. m.)

Thursday night, Lecture, at Berkeley Campus, University of California.

Sincerely yours,

Clifford Bell

Clifford Bell
Professor of Mathematics
and Head, Mathematics Extension

CB:ss

[done 9/7/53]

CLASS OF SERVICE

This is a full-rate Telegram or Cablegram unless its deferred character is indicated by a suitable symbol above or preceding the address.

WESTERN UNION

W. P. MARSHALL, PRESIDENT

1220

SYMBOLS

DL=Day Letter
 NL=Night Letter
 LT=Int'l Letter Telegram
 T=Int'l Victory Ltr.

:(21):

The filing time shown in the date line on telegrams and day letters is STANDARD TIME at point of origin. Time of receipt is STANDARD TIME at point of destination.

BA079 SSH215

1953 AUG 24 PM 2 32

B. CAB223 LONG DL PD=WEEHAWKEN NJER VIA CAMBRIDGE MASS 24=
 PROF NORBERT WIENER=
 CENTER SANDWICH NHAMP=

ON BEHALF OF THE AMERICAN MANAGEMENT ASSN I HAVE THE HONOR OF INVITING YOU TO INFORMALLY ADDRESS THE OPENING SESSION OF THE AMA SEMINAR ON THE AUTOMATIC FACTORY ON WEDNESDAY AFTERNOON SEPT 9TH IN NEW YORK CITY THE INDUSTRIAL ENGINEERING MANAGERS AND PRODUCTION VICE PRESIDENT WHO WILL BE PRESENT AT THIS SEMINAR WOULD GREATLY APPRECIATE THE OPPORTUNITY OF HEARING YOUR VIEWS AND DISCUSSING THIS SUBJECT WITH YOU WE WOULD ALL BE HONORED BY YOUR ACCEPTANCE OF THIS INVITATION, PLEASE ADDRESS REPLY TO 62 COLUMBIA TERRACE WEEHAWKEN NJ=

JOHN DIEBOLD AMERICAN MANAGEMENT ASSN

TELEPHONE NO. *strand 46-22*
 TELEPHONED TO *Mrs. W.*
 TIME *8:40P*
 BY *W.*
 TO BE *held*
 ATTEMPTS TO DELIVER *da 237P opp. r.*
da 333P opp. r.
da 437P
da 532P
da 700P

S. GRONER
14, rue de l'Armerique
Paris, 15e

Paris, den 26. August 1953.

Herrn

Norbert Wiener
Professor am Mass. Inst. Tech.
Cambridge 39

Mass. U.S.A.

Sehr geehrter Herr Professor!

Ich bitte Sie hoefl. mir entschuldigen zu wollen, dass ich mich an Sie in deutscher Sprache wende. Der Grund hiefuer ist, dass meine uebrigen Verpflichtungen mir nur sehr wenig Zeit uebrig lassen um ein halbwegs verstaendliches Englisch, in muehsamer Diktionaerarbeit, auf die Beine zu stellen.

Anlass zu diesem Brief gibt mir die soeben beendigte Lektuere Ihres ausgezeichneten Buches "The Human Use of Human Beings - Cybernetics and Society", das ich in der Originalausgabe von 1950 gelesen habe.

Fast gleichzeitig mit Ihrem Werke las ich ebenfalls ein sehr interessantes Buch das einen Deutschen zum Verfasser hat und worin zahlreiche Hinweise auf Ihr Buch zu finden sind. Es handelt sich um Rolf Strehl den ich in fran- zoesischer Uebersetzung las. Der Titel lautet: "Cerveaux sans âme - les Robots". Dasselbe wurde im Jahre 1952, im Verlage der Firma SELF, 20, place Dauphine, Paris, auf den Markt gebracht. Die Originalausgabe wurde von der Firma Gerhard Stalling Verlag, Oldenburg, Deutschland, unter dem Titel "Die Roboter sind unter uns", verlegt.

Mehrere Monate zuvor habe ich noch das Buch von Albert Ducroc "Appareils et cerveaux électroniques", verlegt von Hachette, Paris, 1952, gelesen. Sie sehen also, dass ich aus mehreren Quellen meine Wissbegier betreffend die Robotfrage zu stillen bemuessigt war.

Sie haben, sehr geehrter Herr Professor, mit Ihren Ausfuehrungen vollkommen Recht und Ihre Ansichten sollten einen starken Widerhall bei Ihrem Publikum und bei den sonstigen Auslaendern die englisch lesen gefunden haben. Ich sage ausdruecklich "sollten", da ich nicht weiss, ob es tatsaechlich der Fall ist. Obzwar ich nicht gerade amerikanische und englische Zeitungen und Zeitschriften regelmaessig lese, wuerde jedoch unsere franzoesische Presse einen Ideenwiderstreit nicht verschweigen koennen, falls ein solcher tatsaechlich in Amerika, England oder sonst wo immer entbrannt waere. Ich muss leider feststellen, dass ich das Erscheinen der 3 obengenannten Werke nicht der grossen Tagespresse verdanke. Vielmehr fand ~~ix~~ ich Hinweise darauf in einem sehr bescheidenen Wochenblatt, "La Grande Relève", Organ des "Mouvement Français pour l'Abondance", kurz M.F.A. genannt, dessen Mitglied ich bin. Ueber die genannte Bewegung will ich Ihnen am Ende dieses Briefes noch einiges mitteilen.

Dass eine solche Frage heutzutage totgeschwiegen wird, darf einen Eingeweihten nicht wundern. Sie selbst, da Sie doch als "Rufer im Streite" zu betrachten sind, werden hierueber am besten unterrichtet sein. Es gibt heute nirgends eine wirklich unabhaengige Zeitung oder Pressagentur. Die Presse hat sich zu einem derart wichtigen Kampfmittel emporgearbeitet, uebt einen derartig gewaltigen Einfluss auf die Massen aus, dass es gar nicht ratsam erscheint ihr vollkommen freie Haende zu lassen. Man muss ihr vielmehr seine persoenliche Ansichten aufzwingen. Die einzelnen Regierungen "unterstuetzen" sie, falls sie notleidend wird. Grosse Industrieunternehmen koennen selbst einflussreiche Organe aufkaufen um damit die oeffentliche Meinung im Sinne der eigenen Interessen zu beeinflussen. Grosse politische Parteien pesaunen durch eigene Pressorgane ihre "Wahrheiten" in die Welt hinaus und wenn sie einem Widersacher durch Argumente nicht richtig entgegengehen koennen, dann wird der letztere entweder totgeschwiegen oder hoechstens durch durch ironische Bemerkungen laecherlich zu machen versucht.

Die Leute, die die Presse in der Hand haben, wissen ganz gut um was es sich handelt. Deren Devise ist meistens: après nous le déluge ! Solange es aber geht wollen wir dennoch unsere heutige bevorzugte Lage ausnuetzen.

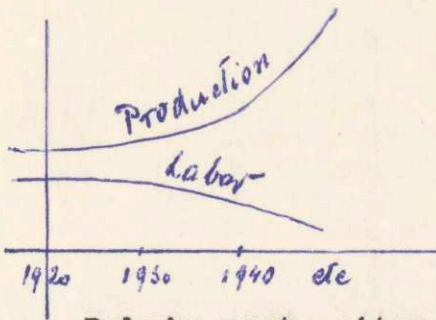
Diejenigen, die die Zeitung lesen, sind in der grossen Mehrheit wie vor den Kopf geschlagen. Die wenigsten sind im Stande sich klare Rechenschaft zu machen wie die Sachlage tatsaechlich ist. Teilweise fehlt es an Bildung und wenn andererseits eine solche vorhanden sein sollte, dann wird dieselbe im praktischen Leben eben durch die Lektuere der Tagespresse ergaenzt, beziehungsweise weitergefuehrt. Eine gewisse Indifferenz, wenn nicht Stumpfsinn, scheint die Massen zu beherrschen. Der einzelne waehnt sich schon gluecklich, falls es ihm gelingt sich schlecht und recht durch's Leben durchzuschlagen und stellt sonst gar keine Ansprueche um sich im vollen Masse als Mensch zu betaeligen. Erst dann wenn alle Stricke reissen, wenn bereits die Net an die Tuer kloeft, erwacht der, im geistigen Sinne genommen, zum Tier degradierte Mensch, zur Notwehr. Die heutigen Vorgaenge in Frankreich koennen als Beweis dienen.

Das gresste Unglueck von dem die Menschheit heutzutage betroffen wird, ist der Zustand, dass wir wol im Stande sind, in der Wissenschaft uns die Errungenschaften eines Einsteins voll und ganz anzueignen, um selbe als Basis fuer weitere Erfolge zu benuetzen, dass wir aber in materieller Hinsicht durchaus zu traege sind um uns dem Fortschritt der technischen Entwicklung anzupassen. In dieser letzteren Hinsicht leben wir noch etwa in der Mitte des 17ten Jahrhunderts und Begriffe wie Geld, Besitz, free enterprise und dergleichen sind noch so stark aengewurzelt, dass von einer wirklichen Solidaritaet in der Welt noch wenig zu spueren ist.

In welchem Erdwinkel existiert heute z.B. die freie Wahl fuer den Unternehmer die als heiligstes Gut der Menschheit von allen Hauptfeilern der politischen Oekonomie im 19. und 20. Jahrhundert gepriesen wurde und ist ? Wir sehen ueberall, offen oder versteckt, ein planmaessiges Vorgehen, das die gesamte Wirtschaft in Fesseln legt. In dieser Hinsicht ist die Freiheit wenn sie jemals existierte, total verschwunden.

Die Optimisten und die Pessimisten, betreffend die Strukturänderungen der Wirtschaftspolitik, die ihrerseits durch den technischen Fortschritt bedingt sind, bekaempfen einander heftig. Dazwischen befindet sich die grosse Masse der Gleichgueltigen und geistig Traegen, die hin und her zwischen den beiden Extremen gleichweise treibt. Hier waere ein grosses Arbeitsfeld fuer Menschen Ihres Schlages vorhanden um diese gleichgueltigen Massen aus deren Schlaf zu erwecken. Viele Propheten haben zwar umsonst gepredigt und waren nicht im Stande das Unheil zu verhueten. Trotzdem aber ist das Prophetentum noch lange nicht ausgestorben.

Nun will ich noch einige Zeilen ueber die Bestrebungen des vorerwachten "Mouvement Français pour l'Abondance" hinzufuegen. Der Gruender desselben ist Jacques Duboin, ehemaliger franzoesischer Unterstaatssekretaer. So wie Sie und Ihr Kreis durch den technischen Umsturz, der durch den letzten Krieg verursacht worden ist, zu einem Alarmruf genoetigt worden sind, so hat Duboin bereits nach dem Krieg 1914-18 erkannt, dass wir in wirtschaftlicher Hinsicht grossen Schwierigkeiten entgegengehen, falls nicht radikale Reformen Platz greifen. Seit dem Boersenkrach in New York im Oktober 1929 hat er bereits hingewiesen, dass die Geschaeftskrisis ununterbrochen andauern muss. Seine Prophezeiung hat sich auch tatsaechlich verwirklicht, da nur durch den Krieg von 1939-45 und nachher durch die koreanische Affaere und das Wettruesten das dadurch entstanden ist, es der Wirtschaft ermoeeglicht worden ist ueberhaupt zu prosperieren. Duboin weist darauf hin, dass die Kaufkraft des Volkes ausschliesslich aus der Erzeugung (Produktion) herstamme. Da jedoch die Erzeugung seit dem Kriege 14-18 immer mehr mechanisiert wurde, koennen die Arbeiter niemals so viel verdienen, dass sie die gesamte Produktion, die sie fertig gebracht haben, vollstaendig aufkaufen koennen, da ein Grossteil derselben von Maschinen geleistet worden ist. Daher kommt sein Gesetz ueber das Verhaeltnis zwischen Produktion und Arbeiteranzahl:



Die beiden Kurven haben gar keine Aussicht mehr sich jemals in einem Schnittpunkt zu begegnen. Falls man behaupten sollte, dass z.B. in U.S.A. zwischen 1940 und 1945 keine Arbeitslosen mehr gab, sollte man nicht ausser Acht lassen, dass ueber 10 Millionen arbeitsfaehiger Amerikaner in diesem Zeitpunkt als Soldaten mobilisiert waren.

Duboin sagt weiter, dass es heute gar nicht so schwer faellt was immer zu fabrizieren. Die Schwierigkeiten beginnen erst beim Verkauf. Die Wirtschaftskrisen finden daher deren Erklaerung aus dem oben angegebenen Verhaeltnis zwischen der Produktion und der dazu noetigen Arbeiteranzahl.

Die Massenarbeitslosigkeit, die noch vor 30 - 40 Jahren total unbekannt war, ist heute zur endemischen Seuche in allen wirtschaftlich hochstehenden und dementsprechend maschinell ausgeruesteten Laendern geworden. Der Zeitpunkt wo die Anzahl der Arbeitslosen derart anschwellen wird, dass es mehr Arbeitslose als Beschaeftigte gibt - falls nicht inzwischen ein durch die Vorsehung gesandter Weltkrieg ausbrechen sollte - ist gewiss in abseh-

barer Zeit zu erwarten. Es ist anzunehmen, dass die durch die Arbeitslosigkeit betroffenen Staatsbuenger einen gewissen Widerstand leisten werden um dem Hungertode zu entgehen.

Das waere meiner Ansicht die Frage deren Regelung in kuerzester Zeit vorgenommen werden muesste. Duboin und dessen Anhaenger in verschiedenen Laendern haben dazu Stellung genommen und programmatische Massregeln zur Loesung derselben empfohlen.

Wenn Sie franzoesisch lesen, wird es mir ein Vergnuegen bereiten Ihnen einige Schriften Duboins und seiner Schule zu senden, damit Sie sich ein Bild machen koennen welche Ziele dieser Mann erstrebt. Eine englische oder deutsche Uebersetzung dieser Literatur ist noch leider nicht vorhanden.

Von verschiedenen Seiten, meistens jedoch von Kreisen, die ihre bedrohten "vested interests" verteidigen wollen, sind gegen die Abondanztheorien Einwaende erhoben worden. Ich will hiervon nur einen erwahnen. Es handelt sich um das Buch von William Vogt "Road to Survival".

In diesem Zusammenhange las ich aber im "Reader's Digest" vom September 1952 einen Artikel ueber ein Buch von Dr. Jacob Rosin und Max Eastman, betitelt "The Road to Abundance", worin Ansichten vertreten sind die genau entgegengesetzt denjenigen von William Vogt sind. Rosin und eine Forschergruppe der Universitaet Stanton haben, unter anderem, bei einer einzelligen Alge Chlorella pyrenoidosa feststellen koennen, dass dieselbe sowohl zur Koks- und Benzinherstellung sich eignet, wie auch andererseits ungeheuerere Fettmengen liefern kann. Der Ertrag der Chlorella kann bis auf 125 Tonnen pro Hektar geschaezt werden.

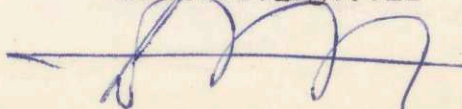
Dr. Rosin hat sich jedoch nicht nur auf diesen Fall beschraenkt sondern die Ernaehrungsmoeglichkeiten durch die chemische Untersuchung der Fettbildung im Organismus aus unkomplizierten organischen Verbindungen untersucht. Seine Bestrebungen fanden leider keinen Widerhall bei den amtlichen Stellen, die solche Forschungen durch reichliche Geldzuweisungen foerdern sollten. Er sagt hierueber: "Until the war it (seine Forschungen) was running neck and neck with the problem of splitting the atom. The bomb came first only because two billion dollars was spent on it".

Man kann ja verstehen, dass die Regierung von U.S.A. um die Ernaehrung des Landes sich keine uebertriebenen Sorgen macht, da der Ueberfluss augenfaellig ist. Dr. Rosins Arbeiten koennten jedoch fuer einen gewissen Punkt IV, der vom damaligen Praesidenten Truman aufgestellt worden ist, von groesster Bedeutung sein. Es scheint aber, dass dieser Punkt eher als eine Reklame denn als eine ausgiebige Hilfe fuer unterernaehrte Voelker zu betrachten ist.

Es ist natuerlich schwer zu beweisen ob William Vogt seine Anschauungen auf eine tatsaechlich wissenschaftliche Basis gruendet, oder ob er bei seiner Arbeit von gewissen Kreisen, die an einer Knappheit der Lebensmittel stark interessiert sind, beeinflusst worden ist. Die Annahme der zweiten Moeglichkeit scheint insofern begruendet zu sein, da es direkt unverstaendlich ist, dass ein Gelehrter so einseitig in seinen Folgerungen sein kann. Er sollte doch wenigstens die Resultate anderer Forscher, auf demselben Gebiet, beruecksichtigen.

Aehnlich steht es mit den uebrigen Einwaenden, die gegen die "new economics" von anderer Seite erhoben werden. Bei genauerer Analyse jedoch sind die Beweggruende mit Sicherheit zu erkennen.

Hochachtungsvoll

 [ans 12/15/53]

C
O
P
Y

need not be returned

DIGITAL MUSICAL INSTRUMENT

- I. STRUCTURE (Material selective for sound patterns)
- a. Left 5 digits initiating drive or firing
 - b. Right 5 digits:
 1. Control vibratory system
 - (a) Harnessed
 - (b) Released
 - (c) Sustained
 2. Communicating system
Fundamental string components and lengths
 3. Digital positions for responses
- II. Result:
Free flowing bodily and atmospheric vibrations stimulating release of locked and harnessed logarithm of frequency to proportional deliverance

(Signed)* Bertha Schwartz

Dated in Los Angeles
California on
August 26, 1953

*Crank
letter*

TELEPHONE: ARDWICK 2681.



Theor. Physics Department
**THE PHYSICAL LABORATORIES,
THE UNIVERSITY,
MANCHESTER, 13.**

27th July 1953

Dear Professor Wiener,

In the last Bulletin of the American Physical Society (June 18) is, on page 20, announced a contribution by you and A. Siegel. You refer in your abstract to much earlier articles. I wonder whether you still would have a reprint of those articles (J. Math. and Phys. 2, 131. 1923; Acta Mat. 55, 117-258. 1930) for me. I would be most grateful if you would send me one.

I shall of course also be much pleased if you would be so kind as to send me a reprint of the article with A. Siegel, when it has been published.

Yours sincerely,

Dr. J. Podolanski

(Dr. H. Podolanski)

[ans 8/28/53]

STUART CHASE

Aug 28

Redding 214

Georgetown, Connecticut

NEW TELEPHONE
WEBSTER 8-2790

Dear Dr. Wiener - One of the magazines wants me to do a piece on computers, and I would very much like to see you about it, and perhaps you could show me one of the class things at MIT or elsewhere. I'd like to see what one does when one "tapes".

I'm giving you honorable mention in my new book The Power of Wads, a sequel to the Tyranny of Wads, especially in Chap. 4. I enclose an outline of chapters.

We are driving up to New Hampshire on the 11th of September for a few days and perhaps it would be possible to stop in and see you on the way home? Could you let me know when would be a convenient time?

[ans 9/7/53] Yours sincerely
Stuart Chase

Dr. W. W. Mass. Dept. of Tech.
Boston Mass.

Aug 28-13

It appears this young man may have the answer to an apparatus to read aloud from a printed page for the education of College papers, Radon, Palatka, President's ect.

A few refinements + electronic gadget + we have the opportunity to educate some genius who may find out the automatic quality of our thinking + acting.

Yours
Tally

Dictionary With Voice

A speaking dictionary patented by Leslie L. Erdos of New York pronounces the words you select. A number of wide, belt-shaped record sheets are mounted on drums in a box. Synchronized with each is

is a strip on which the corresponding words are printed.

The operator rotates the two until the proper word comes up, and then presses a phonograph needle down against the record sheet to get the sound. Each sheet and its related strip contain words beginning with about four letters, so that the entire machine may have six rollers. The inventor, who received Patent 2,650,097, notes that it can be used for foreign languages or translation.

Dr. W. M. ... Aug 18-13
 Mess. Dist. of Mich. Boston Mess.

It appears this young man may have the answer to an apparatus to read aloud from a printed page for the education of College profs., Radom, Palshitz, President's act.

A few reformers + education gogit + we have the opportunity to educate some genius who may find out the automatic quality of our thinking + acting.

Yours
 P. H. ...

Salable sheep, 500 head; slaughter lambs scarce, market weak, instances 50 cents lower; top \$22; bulk good to choice, \$20.50 to \$21.50; culls, \$10 to \$15; yearlings absent; cull to good slaughter ewes steady at \$4.50 to \$6.25.

NAVAL STORES
 SAVANNAH, Ga., Aug 28 (AP)—Naval stores today—Receipts: Turpentine, 130 barrels; rosin, 297. Shipments: Turpentine, 107; rosin, none. Stocks: Turpentine, 2,726; rosin, 6,432.

COPPER				
Sept.	33.60	33.15	33.25	33.63
Dec.	31.31	30.85	30.88	31.00
March ('54)	29.28	28.85	28.96	28.95
May	29.07	28.68	28.71	29.03
July	28.55	28.33	28.33	28.62
Sales, 304 lots.				
COPPER				
Sept.	26.00	26.30	26.30	26.40
Nov.	25.25	25.25	25.25	25.40
Dec.	24.75	24.75	24.75	24.85
Jan. ('54)	24.30	24.30	24.50	24.60
June	23.50	23.50	23.50	23.50
Closings: Oct. 25.80/80; Feb. ('51), 24.25/50; March, 24.05/25. Sales, 17 contracts.				
COTTONSEED OIL				
Sept.	14.75	14.75	14.80b	14.68
Oct.	14.65	14.50	14.55	14.43
Dec.	14.47	14.40	14.47	14.39
March ('54)	14.45	14.45	14.47b	14.39
May	14.44	14.44	14.45b	14.39
Closings: Jan. ('54), 14.42; July, 14.45n. Sales, 40 tank car loads.				
HIDES				
er	Jan. ('54)			

South Tamworth
New Hampshire

August 28, 1953

Dr. Walter R. J. Brown
Research Laboratories
Kodak Park Works
Eastman Kodak Company
Rochester, New York

Dear Dr. Brown:

I am finding it necessary to cut my lecturing program to the bone, and do not find myself able to accept unpaid invitations, except to organizations which I myself belong.

Sincerely yours,

Norbert Wiener

NW:jc

South Tamworth
New Hampshire

August 28, 1953

Mr. Tosio Kitagawa
Mathematical Institute
Faculty of Kyushu University
Fukuoka, Japan

My dear Mr. Kitagawa:

I am very much complimented to read of your interest in my work, and in particular in the Second Conference on Cybernetics to be held at the University of Kyushu this September.

I suppose you know my old friend and pupil, Professor Ikehara of the Tokyo Institute of Technology. With him and with many other Japanese scholars I have been associated for a long time, and in particular I have most pleasant recollections of my meeting with you in Japan in the summer of 1935.

Sincerely yours,

Norbert Wiener

NW:jc

South Tamworth
New Hampshire

August 28, 1953

Dr. Howard Means
29 Montgomery Street
Bangor, Maine

Dear Dr. Means:

Many thanks for your letter of August 7 in which you relate your conversation with John Marquand. I am sorry he has been ill, and I hope, for his sake and mine too, that he is better by now. I certainly want to see both him and particular yourself when I come back.

I have just finished the second volume of my autobiography and expect it to go to Mr. Simon this week. I have adequate copies of it, and you may be assured that I shall show it to you when I return.

My health has been good this summer, but we have had an awful scare in the family of which I shall tell you later and which fortunately came out all right.

Sincerely yours,

Norbert Wiener

NW:jc

South Tamworth
New Hampshire

August 28, 1953

Dr. J. Podolanski;
Theoretical Physics Department,
The University,
Manchester 13, England.

Dear Dr. Podolanski:

The article of which you speak in your letter of July 27 has not appeared yet, but should appear sometime in September, and I am forwarding your letter to those who have charge of reprints.

Sincerely yours,

Norbert Wiener

NW:je

South Tamworth
New Hampshire

August 28, 1953

Mr. Henry Simon
c/o Simon and Schuster, Inc., Publishers
Rockefeller Center
630 Fifth Avenue
New York 20, New York

Dear Mr. Simon:

Many thanks for your letter of August 12. I am enclosing the present letter with the manuscript of the second part of my autobiography which I shall call tentatively I AM A MATHEMATICIAN. I am not too pleased with this name, but it seems to me the sort of name you like because it is completely descriptive. My manuscript in its present form covers about 100,000 words. I am well aware that certain parts will seem to you thin and other parts in need of more elaboration, but the trouble is, I am not quite sure which. I think it would be foolish for me to put more work into the manuscript until you have given it a first looking over and then, as you know with your experience with me in my last book, I am quite willing to tailor it to fit.

If you consider this book suitable to accept, then I should like the following terms: I should like the terms of the last contract to be followed where applicable with the exception that I should like the advances to be divided into \$500 at the time of the acceptance of the manuscript and \$500 on the date of publication, instead of \$250 vs. \$500. It is my guess in which I defer to you completely that we can get all the value that is in my second manuscript through my editing. It will not only make an appreciable sale for itself, but may cause a certain amount of increase in the other and existing book.

I hope I rate you personally as my reader this time.

Sincerely yours,

Norbert Wiener

NW:jc

South Tamworth
New Hampshire

August 28, 1953

University Travel Company
Brattle Square
Cambridge, Massachusetts

Gentlemen:

I have an invitation to lecture at the various branches of the University of California beginning Monday evening, the nineteenth of October at Los Angeles, and ending Thursday evening, the twenty-second of October at Berkeley. The time that I will have available for the trip ~~and~~ which I should like to use to the full extent ~~from~~ Friday afternoon, October 16, to Sunday evening, October 25. My wife is accompanying me. > We should like you to ~~organize~~ the trip for the two of us with a minimum expense possible, making use if possible of any reductions extended for family travel. ~~We~~ We should ~~like~~ also to inquire concerning air coach, and should like a comparative schedule of expenses. > As soon as we hear from you and have had a chance to make our decision, we shall let you know at once of our plans.

Sincerely yours,

Norbert Wiener

NW:jo

JOHN T. FRYE
1810 SPEAR STREET
LOGANSPORT, INDIANA

August 29, 1953

Professor Norbert Wiener
Massachusetts Institute of Technology
Cambridge, Mass.

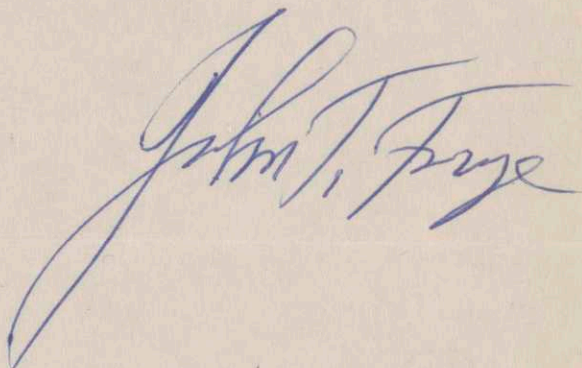
Dear Sir:

You may be interested to know that in my regular feature "Mac's Radio Service Shop" in RADIO AND TELEVISION NEWS in the September issue I discuss your book CYBERNETICS. While the discussion is certainly that of a person untrained in your science, I hope that it will awaken interest in your book and the field it embraces among my readers.

I have been told that you have published a second book on this general subject, but I do not know the title or anything else about it.

Would you be so kind as to give me details? Perhaps I could give it another "plug" at a later date in one of the technical magazines for which I write.

Very truly yours,

A handwritten signature in blue ink that reads "John T. Frye". The signature is written in a cursive style with a long, sweeping tail on the "y".

[ans 9/7/53]