

THE OHIO STATE UNIVERSITY

HOWARD L. BEVIS, *President*

COLUMBUS 10

COLLEGE OF ENGINEERING
DEPARTMENT OF ELECTRICAL ENGINEERING

November 7, 1955

Grote Reber
General Delivery
Hobart, Tasmania
Australia

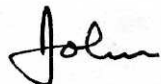
Dear Grote:

The American Astronomical Society is holding its spring meeting at Columbus next March 22, 23, 24. The banquet is scheduled for Friday evening, March 23rd. We do not know what your plans are for next spring or whether it would be convenient or possible for you to be here, but we wish to invite you to be the banquet speaker talking on a title of your own choosing. We are hoping that you will include a description of some of your early work. A title that suggests what we have in mind might be "Radio Astronomy, Past, Present and Future". We sincerely hope that you will be able to accept our invitation.

Please let me know at your earliest convenience if you can accept.

Best regards,

Sincerely yours,



John D. Kraus

JDK:ef

PRELIMINARY ANNOUNCEMENT

of the

NINETY-FOURTH MEETING

of the

AMERICAN ASTRONOMICAL SOCIETY

THE OHIO STATE UNIVERSITY

COLUMBUS, OHIO

IN COOPERATION WITH

THE OHIO WESLEYAN UNIVERSITY, DELAWARE, OHIO

March 21-24, 1956



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THE OHIO STATE UNIVERSITY

HOWARD L. BEVIS, *President*

COLUMBUS 10

COLLEGE OF ENGINEERING
DEPARTMENT OF ELECTRICAL ENGINEERING

November 23, 1955

Mr. Grote Reber
General Delivery
Wailuku, Maui
Territory of Hawaii

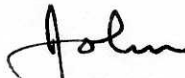
Dear Grote:

Thanks for your letter of November 17th. We are very disappointed that your schedule precludes a talk at the banquet of the American Astronomical Society here next March. However we are delighted to know that you may be able to stop here a few days early in January, and in this connection we wish to invite you to give a talk on a subject of your choosing. This talk would be sponsored by the Departments of Electrical Engineering, Physics, and Astronomy, and the Graduate School of the Ohio State University, and in return we can pay you an honorarium of \$125.

Please let me know as soon as possible if you can favor us with this talk and also please indicate the date which would be most convenient. Also please indicate the title, and your official connection with the Research Corporation. The talk should be on a weekday, that is, Monday through Friday, and we would prefer to schedule it for the late afternoon or evening.

We are looking forward keenly to your visit. Best regards,

Sincerely yours,



John D. Kraus

JDK:ef

12-5-55

Dear John:

Many thanks for your note of the 23rd. I'll be happy to give a talk before your various school societies. Probably your suggestion of "Radio Astronomy, Past, Present and Future" is as good as any. This allows a lot of ground to be covered rapidly and opens all phases of the subject. ~~It~~ Thus considerable time should be ~~also~~ provided for question and debate period.

I don't know what your school calendar may be, if possible, I would choose either January 5th or 6th with a second choice of January 9th or 10th. Any time of day is satisfactory to me. I'll be arriving via TWA.

I don't have any title, so just bill me as with the Research Corporation. When I get to Illinois I will be able to and learn of your choice of dates, then I will be able to provide exact information upon my arrival time, etc.

Looking forward to seeing you in January, I am

Sincerely yours

Grote Reber

THE OHIO STATE UNIVERSITY

HOWARD L. BEVIS, *President*

COLUMBUS 10

COLLEGE OF ENGINEERING
DEPARTMENT OF ELECTRICAL ENGINEERING

December 13, 1955

Mr. Grote Reber
212 W. Seminary Avenue
Wheaton, Illinois

Dear Grote:

Many thanks for yours of December 5th. We are scheduling your talk for Thursday, January 5th at 3 P.M. and giving the title as "Radio Telescopes-Past, Present, and Future". A length of 45 to 50 minutes will be ample.

We are looking forward to seeing you here in January.

Best regards,

Sincerely yours,



John D. Kraus

JDK:ef

20th December 1955
212 W. Seminary Ave.
Wheaton, Illinois

Dr. John D. Kraus
Electrical Engineering Dept.
Ohio State University
Columbus 10, Ohio

Dear John:

Thank you for your note of the 13th. I
Have made my flight arrangements as follows.

Arrive Columbus on TWA #380 at 5:17pm on the 4th

Leave " " " #304 " 3:08pm " " 8th

If possible, please secure in my name a
reservation for room and shower at a good hotel in
Columbus for nights of 4, 5, 6 and 7th of January.

Looking forward to seeing you early next month,
I am

Sincerely yours,

Grote Reber

THE OHIO STATE UNIVERSITY

HOWARD L. BEVIS, *President*

COLUMBUS 10

COLLEGE OF ENGINEERING
DEPARTMENT OF ELECTRICAL ENGINEERING

Dec. 28, 1955

Grote Reber
Wheaton, Ill.

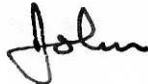
Dear Grote:

This is just a note to let you know that I have made reservations for you at the DESHLER-HILTON Hotel in Columbus (corner Broad and High Sts.). I suggest you take the airline limousine to the hotel and call me after you get settled. My home phone is HUDSON-8-7118. (My office phone is AXminister 9-3148 Ext. 8410)

We are looking forward to seeing you next week.

Best regards,

Sincerely,



John D. Kraus

January 1st, 1956
212 W. Seminary Ave.
Wheaton, Illinois

John D. Kraus
College of Engineering
Ohio State University
Columbus 10, Ohio

Dear John:

It is necessary for me to make a further change in my plans because I want to squeeze in a visit to RDB at Ottawa before leaving the country. Since I am to talk at 3pm on the 5th, I find that I can come that morning via TWA #432 arriving at 136pm. I will come directly to your office at the University.

In order to make some use of Friday in Washington, I plan to leave Columbus the same night via TWA #86 at 945pm. However we should be able to get together for a few hours after the talk to go over old times and new.

Best regards,

Grote Reber

Ohio State Talk 1/5/56

Lodge etc.

1. Sausky antenna
2. Disk at Wheaton 160mc
3. " " " 480mc
4. Receiver 160mc 1938

Discussion about natural geographic features

5. Halapala geometrus

Halapala fotos

chalk Talk about traces.

Description of Azimuth & Diurnal effects

Discussion of Results in Tasmania

6. Examples of solar transients 480mc

Plans for Future

Spectrum .5 to 10,000mc = 20,000:1

$3.3 \cdot 10^{-21}$ at 200mc

$3 \cdot 10^{-20}$ " 20 "

$1 \cdot 10^{-19}$ " 2 "

TUESDAY, JANUARY 17, 1956.

EISENHOWER BACKS RADIO ASTRONOMY

Seeks Funds to Build First
Center for Study of Stars,
Overcome U. S. Lag

Special to The New York Times.

WASHINGTON, Jan. 16 — President Eisenhower asked Congress today for funds to build "the nation's first major radio astronomy center."

Astronomers have been concerned that the United States is falling behind other countries in this relatively new branch of astronomy.

A radio telescope actually is a device for receiving radio waves from space. It is a huge paraboloid—a metal structure in parabolic shape—that looks like a radar antenna and operates the same way. Scientists call it a "dish."

From the waves that it "hears" a radio telescope can plot the speed and position of the most distant stars. It is not affected by clouds and other atmospheric conditions that interfere with the best optical telescopes. It has been found especially useful in observing the Milky Way galaxy, which is obscured for optical telescopes by interstellar dust.

Large One at Harvard

Great Britain is finishing the construction of a radio telescope 250 feet in diameter. The largest in this country now are a sixty-foot "dish" at the Harvard University Observatory and a fifty-foot model in the Naval Research Laboratory here. Altogether the United States has only nine radio telescopes at present.

Although the President gave no details, it was learned that the proposed radio astronomy center would have a 140-foot telescope as a starter. Some

consideration is being given to building another as large as 500 or 600 feet in diameter.

The larger the diameter of radio telescope, the farther can "hear." Whether scientists can maintain the necessary precision in the instruments as the size is increased is to be seen.

The budget included the radio astronomy appropriation required in a general \$7,000,000 item for building of research facilities at the National Science Foundation. The initial cost would be about \$3,500,000, it was said. Other facilities were added to the center, its final cost could run \$25,000,000 or \$30,000,000.

Where the radio telescope be built and who will manage the center are being debated by the National Science Foundation's advisory panel on radio astronomy. The seven-member group met all day today and will hold another session tomorrow.

Sites Considered

The advisory panel is considering six possible sites for the center. They are all in the Appalachian Mountains, in an oval running from the southeast corner of West Virginia south through Virginia, Tennessee and the tip of Kentucky to the western portion of the Carolina. The site must be away from metropolitan areas to escape man-made radio interference.

The proposal for the radio astronomy center was developed by Associated Universities, Inc., the cooperative formed by nine universities to run the Brookhaven National Laboratories in Brookhaven, L. I. Associated Universities had an \$85,000 fund from the Science Foundation last year to study the radio astronomy situation and has another \$140,000 grant running through next summer.

Associated Universities reported after its first study that no single private institution in this country had the money necessary to build a radio telescope of the size needed. It said some sort of cooperative or Government effort was needed.

Noted Radio Astronomer Will Lecture

Grote Reber, a pioneer in the scientific field of radio astronomy, will lecture at 3 p. m. tomorrow in room 110, Electrical Engineering Building. The talk, entitled "Radio Astronomy, Past, Present and Future," will be open to the public.

Mr. Reber was for many years the only active radio astronomer in the world, making his observations of radio waves from space in his backyard in Wheaton, Ill. At present he is conducting observations in Tasmania, Australia, and will lecture on the campus during a visit of several weeks to this country.

He is credited with making the first systematic radio survey of the sky and preparing the first radio maps of the heavens.

The lecture will be sponsored by the Graduate School and departments of electrical engineering and physics and astronomy.

Radio Astronomer To Give Talk

Grote Reber, a pioneer in radio astronomy, will lecture at 3 p. m. Thursday in Room 110, Electrical Engineering Building, on the Ohio State University campus.

The talk, entitled "Radio Astronomy, Past, Present and Future," will be open to the public without charge.

Mr. Reber was for many years the only active radio astronomer in the world, making his observations of radio waves from space in his backyard in Wheaton, Ill. At present he is conducting observations in Tasmania, Australia.

He is credited with making the first systematic radio survey of the sky and preparing the first radio maps of the heavens.

2-2-56

Dear John:

Many thanks for your letter of the 12th which arrived here just yesterday, also for the check which I cashed in New York.

I much enjoyed being with you in Columbus. Next time I'll not try to do so many things and be able to spend a more leisurely visit.

Saturday I leave for Manchester, England and then back to Australia with stops at Cambridge, Leiden + Paris. March thru July or August my address will be

Grote Reber

General Delivery, G.P.O.

Hobart, Tasmania, Australia

After this junket perhaps I can rest my itching foot and light permanently in America. Please remember me to your wife and sons as well as the fellows at OSD.

Best Regards,

Grote Reber