



Oort 330

8.5.1968

320 (a)

October 29, 1967

Leiden, November 8, 1967.

Professor J. H. Oort
Sterrenwacht te Leiden
Leiden
The Netherlands

Dear Dr. Oort,

Dr. H.W. Babcock,
Mount Wilson and Palomar Observatories
813 Santa Barbara Street.

MOUNT WILSON AND PALOMAR OBSERVATORIES
813 SANTA BARBARA STREET
PASADENA, CALIFORNIA 91106

CARNEGIE INSTITUTION
OF WASHINGTON

CALIFORNIA INSTITUTE
OF TECHNOLOGY

December 1, 1967

Dear Jan,

Welcome on your return to Pasadena! I hope that you and Mrs. Oort had a pleasant trip and that it was not too tiring.

I shall telephone you about 8:30 Monday morning and would be glad to come by with my car.

If at any time during your stay you need some assistance with transportation or otherwise, please call on me or on Mr. Fred Woodson of the Santa Barbara Street office. My home telephone is 798-1079 and the office number is 796-4351.

Betty and I hope that you will both have dinner with us at 6:30 Wednesday evening, December 6.

Most sincerely,

Korace

October 30, 1967

Leiden, November 8, 1967.

Professor J. H. Oort
Sterrenwacht te Leiden
Leiden
The Netherlands

Dear Dr. Oort,

Dr. H.W. Babcock,
Mount Wilson and Palomar Observatories
813 Santa Barbara Street,
Pasadena, Cal. 91106,
U.S.A.

Dear Dr. Babcock,

Thank you very much for your letter of October 30.
We have now booked on flight TW 407, arriving in Los
Angeles at 8.58 p.m. Dec. 3

Meanwhile we received an invitation from Mrs. Schmidt
who wanted us to stay with them during the first days.
My wife has written to her in order to inquire whether
they would not find it more convenient if we stayed in
the Atheneum. She has asked Mrs. Schmidt to contact you
about this and to make the decision herself. I also
received a letter from Dr. Raimond who said he was
going to meet us at the airport. Perhaps you could
contact him in order to avoid unnecessary trips to the
Los Angeles airport. *You should certainly not come.*

As regards possible use of the 200-inch telescope
I would certainly not be able to use this all by myself.
I have, however, discussed with Maarten Schmidt the
possibility of making some observations on NGC 3115.
He has probably discussed this already with you or
the programme committee.

Hoping to see you soon,

sincerely yours,

MOUNT WILSON AND PALOMAR OBSERVATORIES

813 SANTA BARBARA STREET
PASADENA, CALIFORNIA 91106

October 30, 1967

Professor J. H. Oort
Sterrewacht te Leiden
Leiden
The Netherlands

Dear Dr. Oort,

I was glad to receive your letter of October 25 and to learn that you plan to arrive from Washington to Pasadena on Sunday, December 3. After you have made your travel reservations, perhaps you can let me know your flight number and time of arrival so that I can meet you and your wife at the Los Angeles Airport.

We are asking the Athenaeum to save a room for you beginning on Sunday, December 3. Noting your interest in finding an apartment, I shall ask my administrative assistant, Mr. Woodson, to stand by to give you some help on this.

Please feel free to divide your time as you think best between Santa Barbara Street and the Caltech campus. As you know, Maarten Schmidt, Jesse Greenstein, and several others have their offices at Caltech and I am sure that they will be glad to see you there. Also, please let us know if you have any special wishes regarding visits to Palomar or the use of the 200-inch telescope.

We are looking forward very much to your visit here.

Cordially yours,

Horace Babcock

H. W. Babcock

HB:WB

- 2 -
I am very much looking forward to my
stay in Pasadena. With kindest greetings,

Sincerely yours,

STERREWACHT TE LEIDEN

Leiden, October 25, 1967.

Dear Professor (Dr.)
Dr. H.W. Babcock,
Mount Wilson and Palomar
Observatories,
813 Santa Barbara Street,
Pasadena, Cal.,
U.S.A.

I am sure that many of the people will
benefit from the opportunity to discuss scientific matters
with you and I know that we all look forward keenly to
your visit. Please let me know if I can be of any assistance
in making arrangements for your stay in Pasadena.

Dear Dr. Babcock, the Athenaeum (Faculty Club) offers
rooms, etc. If you prefer, we may be able to arrange

We have now more or less fixed our schedule
for the journey to the United States. My wife
and I expect to fly from Washington to Pasadena
on Sunday ^{even} November 3. I have not yet made
definite reservations and do not know the exact
time of arrival.

Would it be possible for you to reserve
a room for us at the Athenaeum for, say, four
days beginning Sunday evening? After that we
would prefer to find an apartment, preferably
one which is not too far from Santa Barbara
Street.

I am very much looking forward to my
stay in Pasadena. With kindest greetings,

Sincerely yours,

MOUNT WILSON AND PALOMAR OBSERVATORIES

813 SANTA BARBARA STREET
PASADENA, CALIFORNIA 91106

April 28, 1967

Professor J. H. Oort
Sterrewacht te Leiden
Leiden
Netherlands

Dear Professor Oort:

I was glad to learn from your letter of April 11 that the University of Leiden has officially approved of the plans for your visit to the Mount Wilson and Palomar Observatories later this year. I was also glad to note that your wife will come with you on this visit.

I am sure that many of the staff will benefit from the opportunity to discuss scientific matters with you and I know that we all look forward keenly to your visit. Please let me know if I can be of any assistance in making arrangements for your stay in Pasadena. You could of course stay at the Athenaeum (Faculty Club) on the Caltech campus, or, if you prefer, we may be able to locate other accommodations for you.

Cordially yours,

Horace Babcock

H. W. Babcock

HB:WB

STERREWACHT TE LEIDEN

Professor J. H. Oort
Sterrewacht te Leiden
Leiden
The Netherlands

Leiden, April 11, 1967.

Dear Professor Oort

Dr. H.W. Babcock,
Mt. Wilson and Palomar
Observatories,
1201 East California Blvd.,
Pasadena 4, Cal.,
U.S.A.

I was of course extremely pleased to hear that you are coming to the Observatories next winter. I am sure that your stay will be most fruitful and that you will have many demands there. We shall indeed regard it as a real privilege if you are able to come and we shall look forward to your arrival around the beginning of December.

Dear Dr. Babcock,

I am happy to inform you that I have now received official permission from the University of Leiden to spend two months in Pasadena.

My wife and I are very much looking forward to this visit.

With kindest greetings,

Most cordially,
sincerely yours,

Henk van den Bergh
H. W. van den Bergh

MOUNT WILSON AND PALOMAR OBSERVATORIES

813 SANTA BARBARA STREET
PASADENA, CALIFORNIA 91106

March 3, 1967

Professor J. H. Oort
Sterrewacht te Leiden
Leiden
The Netherlands

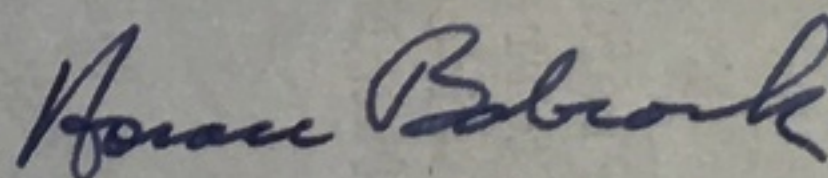
Dear Professor Oort:

I was of course extremely glad to receive your letter of February 14 and to learn that you think it likely that you can arrange to spend some time here at the Mount Wilson and Palomar Observatories next winter. I can well understand how busy you are and how many demands there must be on your time. We shall indeed count it as a real privilege if you are able to come and we shall look forward to your arrival around the beginning of December.

Our new nebular spectrograph with image tube, which is designed for use at the Cassegrain focus of the 200-inch telescope, is nearing completion and should be undergoing its initial tests on the telescope within two or three months. Maarten Schmidt is of course closely concerned with this instrument. I hope that by the end of the summer it will be in regular use and that it will provide considerably improved capability for obtaining spectrograms of faint objects. You will be more than welcome, of course, to spend some time at Palomar if you so desire and it might be that you and Schmidt could arrange some collaboration for observations of the rotation of elliptical galaxies.

Again, let me express our pleasure in your prospective visit.

Most cordially,



H. W. Babcock

HB:WB

Leiden, February 14, 1967.

Dr. H.W. Babcock, involved at the moment is that of the location of Mount Wilson and Palomar Observatories, clouds we have been observing in the 21-cm line. Observatories, 813 Santa Barbara Street, Pasadena, Cal. 91106, U.S.A. I have discussed this problem several times with Dr. Münch and others, and would make a special point of rediscussing it with you and him and others in Pasadena who could be interested in it, with the hope of getting to a point where we could make a realistic plan de campagne.

I apologize for having delayed my answer to your letter of January 4 with the extremely attractive invitation to come to the Mount Wilson and Palomar Observatories. I feel greatly indebted to you for offering me a position as Research Associate and to President Haskins for supporting this. The prospect of another stay at your observatories attracts me enormously. It would be inspiring, and profitable for my work; I would do nothing rather than accept it at once. My only hesitation was that it would mean another burden to Oosterhoff and van de Hulst, who are already overloaded. At the time when your letter arrived I had just been away for 2,5 months, which made me hesitate to plan right away for another absence.

However, if it would not be inconvenient to you if my visit were postponed to the early winter, I think it would be possible to arrange it at this side without causing too many difficulties. I would then propose to come in the beginning of December, and to stay until about the end of January. Will you let me know whether this would be a suitable period for you? I would then still have to approach the University Administration in Leiden to obtain their definite consent.

I would, of course, be happy to give some special colloquia for the Observatory staff and students.

As regards observing there are two problems in which I have a particular interest, and which I would like to stimulate as far as possible. The first is an extension of the measures of the rotation of the elliptical galaxy NGC 3115 which I suggested as an observing programme during my stay in Pasadena in 1958 and which during that time were made by Minkowski with some weak assistance from myself. I enclose copy of a letter on this subject written to Mrs. Burbidge and Schmidt some months ago. I doubt whether I could usefully assist in any observations, but perhaps my visit could give an opportunity to make a little 200-inch time available for this programme.

MOUNT WILSON AND PALOMAR OBSERVATORIES

513 SANTA BARBARA STREET
PASADENA, CALIFORNIA 91106

January 4, 1967

The second problem in which I am very much involved at the moment is that of the location in space of the high-velocity clouds we have been observing in the 21-cm line. It is a problem of fundamental importance, which can only be solved by optical observations of considerable technical difficulty. I have discussed this problem several times with Dr. Münch and others, and would make a special point of rediscussing it with you and him and others in Pasadena who could be interested in it, with the hope of getting to a point where we could outline a realistic plan de campagne.

With kindest regards,

very cordially yours,

With the enthusiastic approval of President Haskins, I am prepared to offer you a temporary appointment as Research Associate, with a stipend of \$3000, if you can come to Pasadena for a stay of six to eight weeks. Is there anything that the fall of this year might be preferable to you?

We should greatly appreciate it if, during the course of your stay, you could give two or three special lectures or colloquia for the Observatory staff and students.

I judge that your interest in active observing would be secondary, but I am sure that there would be opportunities, if you wish, to collaborate in some observations with staff members at the 200-inch telescope. A few nights can be made available for your own use if you will let me know your wishes in advance of your arrival.

With best regards, and the hope that we shall have the pleasure of seeing you here.

Cordially yours,

H. W. Babcock

H. W. Babcock
Director

HB:WB

Leiden, 12 February 1967
Ref: V.S. Dec. '67

MOUNT WILSON AND PALOMAR OBSERVATORIES

813 SANTA BARBARA STREET
PASADENA, CALIFORNIA 91106

Dr. E.J. Bok,
Observatory,
University of Arizona,
Tucson, Arizona 85721,
U.S.A.

January 4, 1967

Professor Jan H. Oort
Director of the University Observatory
Leiden
The Netherlands

Dear Professor Oort:

I am writing to ask whether you would be interested in making a visit to the Mount Wilson and Palomar Observatories later this year. We hope very much that we can persuade you to come. Your several visits over the years—the first, I believe, in 1926—were highly appreciated and are well remembered by those of the staff who were here.

With the enthusiastic approval of President Haskins, I am prepared to offer you a temporary appointment as Research Associate, with a stipend of \$3000, if you can come to Pasadena for a stay of six to eight weeks. Is it correct that the fall of this year might be preferable to you?

We should greatly appreciate it if, during the course of your stay, you could give two or three special lectures or colloquia for the Observatory staff and students.

I judge that your interest in active observing would be secondary, but I am sure that there would be opportunities, if you wish, to collaborate in some observations with staff members at the 200-inch telescope. A few nights can be made available for your own use if you will let me know your wishes in advance of your arrival.

With best regards, and the hope that we shall have the pleasure of seeing you here.

Cordially yours,

H. W. Babcock

H. W. Babcock
Director

HB:WB

Leiden, 12 february, 1968.

THE UNIVERSITY OF ARIZONA
TUCSON, ARIZONA 85721

STEWART OBSERVATORY

Dr. B.J. Bok,
Steward Observatory,
University of Arizona,
Tucson, Arizona 85721,
U.S.A.

January 12, 1968

Dr. Jan H. Oort
Mt. Wilson and Palomar Obs.
Beste Bart,
Pasadena, Calif. 91106

Gezien de ervaringen met andere universiteiten in de Verenigde Staten denk ik dat je mijn Social Security Number nodig zult hebben en stuur het daarom onderstaand: het is 113-42-2011.

I might as well put on paper the things that you said to me over the telephone. Wij vonden ons bezoek aan Tucson bijzonder plezierig en zijn nog vol bewondering en dankbaarheid voor de mooie en gezellige lunch die je ons voorgezet hebt.

Wij misten toch het vliegtuig van Dallas naar Washington, met het gevolg dat wij pas om 2 uur 's nachts in Washington aankwamen, maar wij konden de volgende dag uitslapen.

P.M. Our colloquia normally lasts 30 minutes and there is a question period. Met hartelijke groeten, ook van Mieke en aan Pris, at the Kuipers to relax before dinner not later than 5:00 P.M. That evening the Mayalls will have Mieke and you out to dinner, starting at 6:30 P.M. The Kuipers will drive you over to the Mayalls.

You probably know already that on Thursday, February 1st, there begins at Kitt Peak a large Solar Symposium, which may require the presence of some of us. However, I expect to be free to take you and Mieke to the airport on Thursday afternoon.

I am sending copies of this letter to G. P. Kuiper and Nick Mayall, also to Drs. Lynda and Livingston who are in charge of the colloquium arrangements. It will be wonderful to see you both again soon.

Very sincerely yours,

Bart J. Bok

Bart J. Bok, Director

BJB:mb
*transcribed and signed in Dr. Bok's absence.

cc: Kuiper

Lynda

Livingston

Mayall



THE UNIVERSITY OF ARIZONA
TUCSON, ARIZONA 85721

STEWART OBSERVATORY

January 12, 1968

Dr. Jan H. Oort
Mt. Wilson and Palomar Obs.
813 Santa Barbara St.
Pasadena, Calif. 91106

Dear Jan:

Just to make certain that there are no misunderstandings, I might as well put on paper the things that you said to me over the telephone a day or so ago. Mieke and you are expected to arrive on American Airlines, 2:25 P.M., on January 30. The Kuipers and I will be there to greet the two of you. You will be their guest for the next two days until you will be leaving for Washington, D. C. We are scheduling a colloquium on "High-Velocity Hydrogen Clouds" for Wednesday afternoon, 3:30 P.M., Stewart Observatory. The colloquium will be preceded by coffee at 3:00 P.M. Our colloquia normally lasts 50 minutes and there is a question period to follow, which means that you should be back at the Kuipers to relax before dinner not later than 5:00 P.M. That evening the Mayalls will have Mieke and you out to dinner, starting at 6:30 P.M. The Kuipers will drive you over to the Mayalls.

You probably know already that on Thursday, February 1st, there begins at Kitt Peak a large Solar Symposium, which may require the presence of some of us. However, I expect to be free to take you and Mieke to the airport on Thursday afternoon.

I am sending copies of this letter to G. P. Kuiper and Nick Mayall, also to Drs. Lynds and Livingston who are in charge of the colloquium arrangements. It will be wonderful to see you both again soon.

Very sincerely yours,

Bart J. Bok * *m. Howley*

Bart J. Bok, Director

BJB;mh

*transcribed and signed in Dr. Bok's absence.

cc: Kuiper
Lynds
Livingston
Mayall



THE UNIVERSITY OF ARIZONA
TUCSON, ARIZONA 85721

STEWART OBSERVATORY

December 4, 1967

Dr. J. H. Oort
Director
University Observatory
Sterrewacht
Leiden, Netherlands

Dear Jan:

I just received a piece of paper from Kitt Peak Observatory that mentions a proposed visit by you between January 30th and February 1. This was complete news to me, and very welcome news indeed. I just want to write to you briefly to tell you that it would give Priscilla and me very great pleasure if we could have you as our guest at our house during the time of your stay in Tucson. I expect to be in Tucson at the time of your visit and it would be wonderful to see once again quite a bit of you. I have not heard the specific reason for your visit, but, if time should permit, I would very much like to have you speak either at the Colloquium, or perhaps in a more informal manner, to our Staff and Graduate Students. I have been giving the boys and girls a really tough course on Galactic Dynamics these past few months and you would have a well-informed audience eager to listen to you. Anyhow, do let us know how your plans work out and be sure that we would love to see you. Priscilla and I hope that Mieke will be coming with you.

Very sincerely yours,

Bart

Bart J. Bok, Director

Beantw. van Mr. Palman 2 jan.

Wij willen graag 6 uur logeren.

Ik wil een colloq. over "High-vel. Helix" geven.

Ons voorgesteld versplan opgeven en de mogelijkheid dat dit in dag gegeven wordt.

Geenheid of 15, 8 Magall of 7 colloq. om volgende nacht.

BJB;mh

UNIVERSITY OF CALIFORNIA, SAN DIEGO

Leiden, February 12, 1968.

BERKELEY • DAVIS • IRVINE • LOS ANGELES • REVERSID • SAN DIEGO • SAN FRANCISCO

Dr. G. Burbidge,
Department of Physics,
University of California,
P.O. Box 109,
La Jolla, Cal. 92037,
U.S.A.

DEPARTMENT OF PHYSICS
REVELLE COLLEGE

POST OFFICE
LA JOLLA

January 29, 1968

Dr. J. H. Oort
c/Dear Geoffrey,
Kitt Peak National Observatory

In reply to your letter of January 29 I am sending
you my social security number. This is 113-42-2011.

We very much enjoyed our visit to La Jolla and will
always remember the beautiful situation in which Margaret
and you are working. bureaucracy in this University is
so bad that we cannot pay you money unless we have your
Social Security number. I called Caltech and have
been told that you have such a number. I would be grateful
therefore, if you can send it to me without delay.
for this inconvenience.

sincerely yours,

We very much enjoyed your visit.

With best wishes from us both,

Yours sincerely,

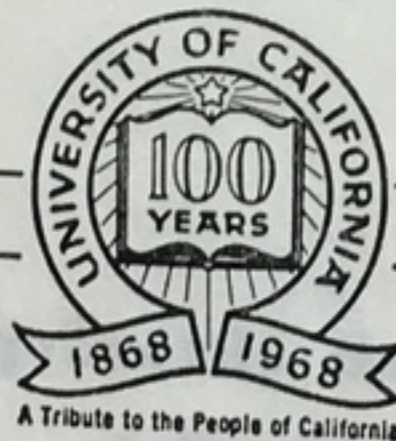
G. H.

Geoffrey Burbidge

CH:ajc

CURATOREN DER RIJKSUNIVERSITEIT TE LEIDEN
UNIVERSITY OF CALIFORNIA, SAN DIEGO

BERKELEY • DAVIS • IRVINE • LOS ANGELES • RIVERSIDE • SAN DIEGO • SAN FRANCISCO



SANTA BARBARA • SANTA CRUZ

DEPARTMENT OF PHYSICS
REVELLE COLLEGE

POST OFFICE BOX 109
LA JOLLA, CALIFORNIA 92037

January 29, 1968

Dr. J. H. Oort
c/o Dr. N. U. Mayall
Kitt Peak National Observatory
950 North Cherry Avenue
Tucson, Arizona 85717

Dear Jan:

It appears that the bureaucracy in this University is so bad that we cannot pay you money unless we have your Social Security Number. We have called Caltech and have been told that you have such a number. I would be grateful therefore, if you can send it to me without delay. I am sorry for this inconvenience.

We very much enjoyed your visit.

With best wishes from us both,

Yours sincerely,

Geoff

Geoffrey Burbidge

GB:ajc

AAN: de Hooggeleerde Heer

Prof. dr. J.H. Oort,

Sterrewacht 5,

LEIDEN.

Nummer 193515

Uw brief van 20-3-1967

LEIDEN, 7 april 1967.

Leiden, 11 april 1967.

Uw brief:
nr. 193515
dd. 7-4-'67

College van Curatoren
der Rijksuniversiteit
Stationsweg 46,
Leiden.

Betreft: Verblijf in Pasadena.

Ik ben U zeer erkentelijk voor
Uw bereidheid om Uw goedkeuring te
hechten aan een verblijf van mij in
Pasadena.

Naar aanleiding van Uw desbe-
treffende vraag deel ik U mee dat
er voor de Universiteit geen finan-
ciële consequenties aan dit bezoek
verbonden zijn.

U mede gaarne
edurende de
rblijven voor

n of er finan-
zijn verbonden.

siteit

siteit.



CURATOREN DER RIJKSUNIVERSITEIT TE LEIDEN

AAN: de Hooggeleerde Heer
Prof. dr. J.H. Oort,
Sterrewacht 5,
LEIDEN.

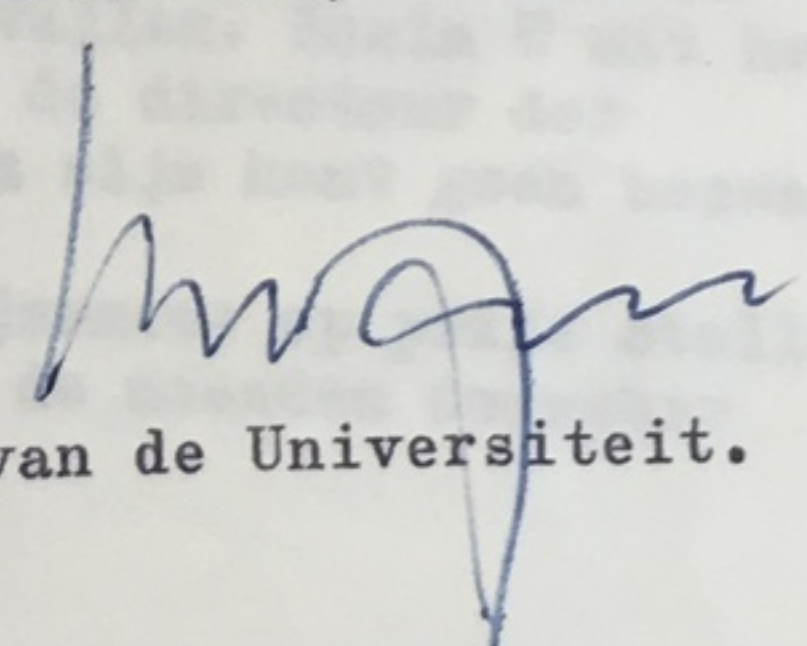
Nummer 193515 Uw brief van 20-3-1967 LEIDEN, 7 april 1967.

Onderwerp Verblijf in Pasadena

Naar aanleiding van uw bovenvermelde brief delen wij U mede gaarne bereid te zijn er onze goedkeuring aan te hechten dat U gedurende de maanden december 1967 en januari 1968 in Pasadena zult verblijven voor de in uw eerdergenoemde brief omschreven doeleinden.

Wij zullen het op prijs stellen nog van U te vernemen of er financiële consequenties aan dit bezoek voor onze Universiteit zijn verbonden.

Curatoren der Rijksuniversiteit
te Leiden,
namens hen,


Secretaris van de Universiteit.

ADRES: STATIONSWEG 46 — TELEFOON 0 1710 - 48333

Verzoeken één onderwerp per brief te behandelen en bij beantwoording nummer en datum vermelden

40745

XXXXXXXXXX

Leiden, February 120 maart 1967

Betreft: Uitnodiging van de
Mount Wiltson en Palomar
Sterrewachten.

Aan het College van Curatoren der
Rijksuniversiteit

Dr. G.B. Ples
Berkeley Astronomical Department,
University of California,
Berkeley, Cal. 94720,
U.S.A.

Enige tijd geleden ontving ik van de directeur der Mt Wilson en Palomar Sterrewachten een uitnodiging om daar in de herfst van dit jaar 6 à 8 weken te komen doorbrengen als tijdelijk "research associate".

Uiteraard trekt mij de mogelijkheid om enige tijd op dit wereldcentrum van optische astronomie, dat tegelijkertijd een belangrijke positie inneemt op het gebied der radiosterrekunde, door te brengen heel sterk aan. Dit te meer daar er voor mij geen andere verplichtingen aan verbonden zouden zijn dan naar eigen keuze een paar colloquia over het astronomische onderzoek in Nederland te geven, en ik dus al mijn tijd zou kunnen besteden om de mij zo sterk interesserende problemen van radiobronnen met de deskundigen aldaar te bespreken en daar zelf aan te werken. Bovendien wordt mij de gelegenheid geboden om in samenwerking met een der Palomar-astronomen met de 200-inch reflector een onderzoek over het elliptische sterrenstelsel NGC 3115, dat ik aldaar in 1958 begonnen was, te voltooien. Ook aan dit laatste hecht ik bijzonder grote waarde.

Toch heb ik lang geaarzeld om U te verzoeken mij verlof voor dit bezoek te verlenen, omdat ik er tegen op zie mij opnieuw voor twee maanden te onttrekken aan mijn deel van de taak om in Leiden leiding te geven aan onderzoek en studenten. Om de bezwaren hiervan zo gering mogelijk te maken heb ik aan de directie van de Mt Wilson en Palomar Sterrewachten voorgesteld om mijn eventuele verblijf naar het eind van 1967 te verschuiven, zodat de Kerstvakantie in mijn periode van afwezigheid uit Leiden zou vallen. Zoals U uit het hierbij gevoegde afschrift van een brief van de directeur der genoemde sterrewachten kunt zien, zou dit van zijn kant geen bezwaar opleveren.

Onder deze omstandigheden zou ik het bijzonder op prijs stellen indien U mij verlof zoudt willen verlenen om de maanden december 1967 en januari 1968 in Pasadena te werken.

De hoogleraar-directeur



Leiden, February 12, 1968.
 KITT PEAK NATIONAL OBSERVATORY
 Operated by The

Dr. G.B. Field,
 Berkeley Astronomy Department,
 University of California,
 Berkeley, Cal. 94720,
 U.S.A.

950 North Cherry Avenue
 P.O. Box 4120
 Tucson, Arizona 85717
 AC 913 327-3511
 Cable Address:
 AURA CORP. Tucson

13, 1967

Dear Dr. Field,

I have promised your secretary to send her my social security number. This is 113-42-2011.

It was a great pleasure to meet you again and to discuss problems with the members of the Astronomy Department at Berkeley.

With kind greetings,

that you will
 sincerely yours,
 during the
 the visit at
 19th. Dr. Wright
 planning on
 celebration of
 Solar meeting
 on February 1st,
 actunity will

nes flight #136
 at 2:25 p.m.,
 so. We will
 g arrangements

are,
 2.60g

87100112-05

WESTERN UNION
 TELEGRAM

CLAIM IN SERVICE
 This is a claim service
 which is deferred cash
 over it indicated by the
 proper symbol.

The time shown shows the time of departure from the point of origin. Time of arrival is LOCAL TIME at point of destination.

227P PST JAN 4 68 L3305
 L OLC382 NL PD TOM BERKELEY CALIF 4
 PROF J H COONT
 MT WILSON OBSERVATORY 813 SANTA BARBARA ST. BERKELEY
 THANKS FOR YOUR LETTER. FRIDAY JANUARY 19TH IS THE
 YOUR TITLE. LETTER FOLLOWS
 GEORGE FIELD.

UNIVERSITY OF CALIFORNIA
UNIVERSITIES OF CHICAGO AND TEXAS
YALE UNIVERSITY
UNIVERSITY OF MICHIGAN
OHIO STATE UNIVERSITY
UNIVERSITY OF WISCONSIN
UNIVERSITY OF ILLINOIS
UNIVERSITY OF MINNESOTA

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Under Contract With The
NATIONAL SCIENCE FOUNDATION

950 North Cherry Avenue
P. O. Box 4130
Tucson, Arizona 85717
AC 602 327 - 5511
Cable Address:
AURACORP, Tucson

Dr. Jan H. Oort
Sterrewacht Te Leiden 5
Leiden, Holland

November 13, 1967

CLASS OF SERVICE
This is a fast message
unless its deferred char-
acter is indicated by the
proper symbol.

WESTERN UNION TELEGRAM

W. P. MARSHALL
CHAIRMAN OF THE BOARD

R. W. McFALL
PRESIDENT

SYMBOLS
DL = Day Letter
NL = Night Letter
LT = International
Letter Telegram

The filing time shown in the date line on domestic telegrams is LOCAL TIME at point of origin. Time of receipt is LOCAL TIME at point of destination

827P PST JAN 4 68 LB305
L OLC382 NL PD TDOL BERKELEY CALIF 4
PROF J H OORT

MT WILSON OBSERVATORY 813 SANTA BARBARA ST PASADENA CALIF
THANKS FOR YOUR LETTER. FRIDAY JANUARY 19TH IS BEST. WILL ANNOUNCE
YOUR TITLE. LETTER FOLLOWS
GEORGE FIELD.

Director



KITT PEAK NATIONAL OBSERVATORY

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ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.
Under Contract With The
NATIONAL SCIENCE FOUNDATION

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THE OHIO STATE UNIVERSITY
UNIVERSITY OF WISCONSIN
YALE UNIVERSITY
PRINCETON UNIVERSITY

950 North Cherry Avenue
P. O. Box 4130
Tucson, Arizona 85717
AC 602 327 - 5511
Cable Address:
AURACORP, Tucson

November 13, 1967

Dr. Jan H. Oort
Sterrewacht Te Leiden 5
Leiden, Holland

Dear Dr. Oort:

In Dr. Mayall's absence let me assure you that you will be most welcome here at any time you choose to arrive. There are a number of things going on here at Kitt Peak during the dates you suggest, but that might possibly make the visit at this time more interesting for you. On January 30th, Dr. Wright and Dr. Richardson will be here from Victoria consulting on coudé problems and there is a small meeting on "Calibration of Spectrograms" being held on the 31st. A special Solar meeting of the American Astronomical Society will begin on February 1st, also here in Tucson. All of us who have the opportunity will be delighted to see you.

We shall expect to meet your American Airlines flight #136 from Los Angeles, arriving here on January 30th, at 2:25 p.m., unless we are informed of a different arrival time. We will write while you are in Pasadena concerning living arrangements while you are here.

Sincerely yours,

Arthur A. Hoag

Arthur A. Hoag
Acting Director

AAH:rp
cc: Dr. N.U. Mayall

NATIONAL RADIO ASTRONOMY OBSERVATORY

EDGEMONT ROAD
CHARLOTTESVILLE, VIRGINIA 22901
TELEPHONE 703-296-0211

POST OFFICE BOX 2
GREEN BANK, WEST VIRGINIA 24944
TELEPHONE 304-456-2011
TWX 304-940-2481

January 19, 1968

Professor J. H. Oort
Mt. Wilson and Palomar Observatories
813 Santa Barbara Street
Pasadena, California 91106

Dear Professor Oort:

Thank you for sending me your travel voucher. I have sent it up to Green Bank for processing and you will be receiving a check from us shortly.

We were all very pleased that you were able to visit us. We enjoyed the discussions with you and are glad to hear you were pleased with your stay here. I hope you will be able to come again soon and, particularly, that you will be able to visit Green Bank the next time you come.

Sincerely,

Bill Howard

W. E. Howard III

WEH:fmc

Leiden, November 8, 1967.

NATIONAL RADIO ASTRONOMY OBSERVATORY

EDGEMONT ROAD

CHARLOTTESVILLE, VIRGINIA 22901

TELEPHONE 703-295-2951

Dr. W.E. Howard III,
National Radio Astronomy Observatory
Edgemont Road,
Charlottesville, Va. 22901,
U.S.A.

Dear Dr. Howard,

Thank you very much for your letter of October 31 and for the reservations you have made. I am afraid that my wife will not be able to accompany me to Charlottesville. Leiden, Netherlands

I have booked for a flight PI 705 on November 27th arriving in Charlottesville at 3.31 p.m. and I am planning to leave on December 1 from Charlottesville at 3.46 p.m.

I am sure I shall very much enjoy discussions with your group in Charlottesville. The Jansky Lecture is still scheduled for November 1. Other activities that week include a colloquium by (University of Maryland) who will be speaking to us on Friday, December 1 at 4:00 pm; and a colloquium by Dr. J. Taylor who will be speaking on occultations of radio sources at the University of Virginia on the afternoon of November 30.

Sincerely yours,

We are looking forward very much to your visit.

Sincerely yours,

William E. Howard III
Assistant Director and
Associate of the Director

WEH:fmc

NATIONAL RADIO ASTRONOMY OBSERVATORY

EDGEMONT ROAD
CHARLOTTESVILLE, VIRGINIA 22901
TELEPHONE 703 - 296 - 0211

POST OFFICE BOX 2
GREEN BANK, WEST VIRGINIA 24944
TELEPHONE 304 - 456 - 2011
TWX 304 - 940 - 2481

October 31, 1967

Professor Jan H. Oort
Sterrewacht 5,
Leiden, Netherlands

Dear Professor Oort:

We have made a reservation at the Thomas Jefferson Inn for you and your wife for the nights of November 27 through December 1. The Jansky Lecture is still scheduled for November 29. Other activities that week include a colloquium by Tom Matthews (University of Maryland) who will be speaking to us on "Quasi-stellar Sources" on Friday, December 1 at 4:00 pm; and a colloquium by Mr. Joe Taylor who will be speaking on occultations of radio sources at the University of Virginia on the afternoon of November 30.

We are looking forward very much to your visit.

Sincerely yours,

Bill Howard

William E. Howard III
Associate Scientist and
Assistant to the Director

WEH:fmc

NATIONAL RADIO ASTRONOMY OBSERVATORY

EDGEMONT ROAD
CHARLOTTESVILLE, VIRGINIA 22901
TELEPHONE 703 - 296 - 0211

POST OFFICE BOX 2
GREEN BANK, WEST VIRGINIA 24944
TELEPHONE 304 - 456 - 2011
TWX 304 - 940 - 2481

September 20, 1967

Professor Jan H. Oort
Sterrewacht 5,
Leiden, Netherlands

Dear Professor Oort:

In connection with your visit here in late November, the following flights are currently scheduled between Washington, D. C. and Charlottesville, Virginia:

Leave National Airport	6:20 a.m.	Arrive Charlottesville	6:56 a.m.
Leave Dulles Airport	12:28 p.m.	" "	12:59 p.m.
" National Airport	2:20 p.m.	" "	3:31 p.m.
" " "	5:45 p.m.	" "	6:27 p.m.
" " "	9:55 p.m.	" "	10:37 p.m.

These are all via Piedmont Aviation.

Although these flights are subject to change--and the times probably will be changed by November--this will give you an idea of the number and approximate times of flights available to Charlottesville.

We are looking forward to seeing you in November.

Sincerely yours,

Bill Howard

W. E. Howard III

/fmc

Handwritten: Bill Howard

NATIONAL RADIO ASTRONOMY OBSERVATORY

EDGEMONT ROAD
CHARLOTTESVILLE, VIRGINIA 22901
TELEPHONE 703-296-0211

POST OFFICE BOX 2
GREEN BANK, WEST VIRGINIA 24944
TELEPHONE 804-486-2011
TWX 304-940-2481

August 15, 1967

Dr. Jan H. Oort
Sterrewacht 5,
Leiden, Netherlands

Dear Professor Oort:

Thank you very much for your letter of August 1, in which you mentioned that it will not be possible for you to give the Jansky Lecture at the time of our HII Region Symposium. We have chosen the evening of November 29 for the Lecture, and it is the feeling of our lecture committee that your second lecture subject would be somewhat more appropriate, namely "Large-scale distribution and motion of hydrogen in the Galaxy."

If, for any reason, the date or topic are not satisfactory, please let me know as soon as possible. Otherwise, we intend to distribute notices about the Lecture on September 1.

We are all looking forward to your visit and I hope it will be possible for you to spend a week or so at the NRAO in late November. Once your travel plans are firm, please let me know so that we can make the remaining local arrangements.

Sincerely yours,

Bill Howard

W. E. Howard

WEH:fmc

NATIONAL RADIO ASTRONOMY OBSERVATORY

Leiden, August 1, 1967.

EDGEMONT ROAD

CHARLOTTESVILLE, VIRGINIA

TELEPHONE 703-425-2011

Dr. W.E. Howard III,
National Radio Astronomy Observatory,
Edgemont Road,
Charlottesville, Va. 22901,
U.S.A. June 23, 1967

POST OFFICE BOX 2
GREEN BANK, WEST VIRGINIA 26044
TELEPHONE 804-425-2011
TWX 204-240-2401

Dear Dr. Howard,
Director

I have been hesitating with my answer to your letter of June 23. This has caused me to postpone this reply far too long. I apologize for the delay.

Dear Professor Oort:

It would evidently be quite attractive to combine my lecture with the HII Region Symposium, but it appears rather difficult to co-ordinate this with my further plans. The difficulty is that I have to be back in Leiden in the week beginning February 4. There is a special reason why this return date cannot be changed. I have already agreed to spend about 8 weeks in Pasadena. This period is already too brief, for, beside making a thorough study of the Palomar and Owens Valley observations on quasars and radio galaxies in general and on their interpretation in connection with the evolution of the universe, in which I have become actively interested, I wanted to try to do some observing on NGC 3115 with Schmidt. As I also want to make one or two brief visits to other Western observatories, a postponement of my departure for California to December 10 would make the schedule undesirably cramped. Therefore, I believe it would be better to stay with the initial choice of the week of November 27.

I would appreciate knowing if you might be interested in the subject of my lecture I would provisionally suggest, either, High-velocity hydrogen in the Galaxy

I shall be looking forward to your reply.

Large-scale distribution and motion of hydrogen in the Galaxy.

Sincerely yours,

Bill Howard

With kindest wishes,

W. E. Howard III
Associate Scientist
Assistant to the Director

WEH/pj

Air Mail

NATIONAL RADIO ASTRONOMY OBSERVATORY

EDGEMONT ROAD
CHARLOTTESVILLE, VIRGINIA 22901
TELEPHONE 703 - 296 - 0211

POST OFFICE BOX 2
GREEN BANK, WEST VIRGINIA 24944
TELEPHONE 304 - 456 - 2011
TWX 304 - 940 - 2481

June 23, 1967

Professor J. H. Oort
Director
Sterrewacht te Leiden
Leiden, The Netherlands

Dear Professor Oort:

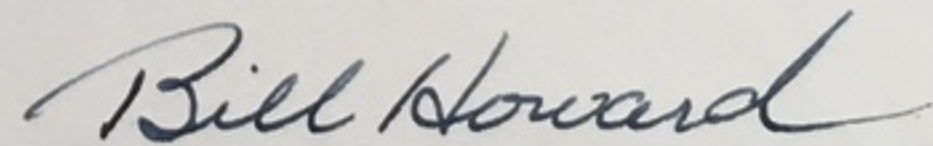
We are very pleased that you have accepted our invitation to give the 1967 Karl G. Jansky Lecture this fall. We can certainly choose an evening in the week beginning November 27 as you suggest, but one other possibility now arises that may appeal to you more than that date.

The NRAO, jointly with Arecibo, are sponsoring an HII Region Symposium that we hope you might be able to attend. It occurs just one week later than your suggested week, and the details are given in the accompanying letter. Would it be possible for you to come and deliver the Jansky Lecture the evening of December 8 or 9? You would then have a large audience of professional astronomers as well as the general NRAO-University of Virginia audience. I feel it would be quite worthwhile to combine the Jansky Lecture with the HII Region Symposium and, if you agree, we could make the necessary arrangements for December 8 or 9. However, please do not hesitate to ask us to stay with your initial choice of the week of November 27 if you prefer to come earlier.

I would appreciate knowing if you might be interested in the December 8 or 9 date. If so we will firm up the date; if not, we will choose a date during the earlier week. The decision may, of course, affect your choice of topic. We still hope you can spend a week or so here at the NRAO.

I shall be looking forward to your reply.

Sincerely yours,



W. E. Howard III
Associate Scientist and
Assistant to the Director

WEH/pj

Air Mail

NATIONAL RADIO ASTRONOMY OBSERVATORY
Leiden, May 3, 1967.

EDGEMONT ROAD
CHARLOTTESVILLE, VIRGINIA 22901
TELEPHONE 703-296-0211

Dr. William E. Howard III,
Chairman Jansky Lecture Committee,
National Radio Astronomy Observatory,
Edgemont Road,
Charlottesville, Va. 22901,
U.S.A.

POST OFFICE BOX 2
GREEN BANK, WEST VIRGINIA 24944
TELEPHONE 804-456-2011
TWX 804-340-2421

Dear Dr. Howard,
Director

Thank you very much for your letter of April 12. I feel greatly honoured by the invitation of your Committee to give the Karl G. Jansky Lecture. I shall be pleased to accept this.

The period between October 23 and November 3 which you suggest is not very suitable for me, because I shall go to Caltech in the beginning of December, and will stay there until the end of January. I wonder whether an evening in the week beginning November 27 would be suitable. In that case I would not have to travel back and forth between Europe and the United States. I would certainly like to spend a few days with your group.

As regards the title I would prefer to postpone a decision on the exact subject until September or so. However, if for some reason it is desirable to have it at an earlier date, I can of course decide sooner.

I am looking forward to a visit to Charlottesville with somewhat more leisure than at the last time I visited you. and lecture title would be your choice. Some topic in galactic astronomy or 21-cm radio astronomy might be appropriate, but we would be pleased with whatever subject you choose to treat. If you honor us by accepting, we will be pleased to pay your travel expenses between Charlottesville and Leiden, lodging and expenses while you are here, and an honorarium of \$500 for the lecture. We would suggest a lecture date on a week night between October 23 and November 3, but we can choose another date in the fall if that would prove more convenient for you.

If you accept, we would appreciate knowing the title of your lecture and the date you would prefer, so that we can proceed with some of the advance arrangements that will be necessary in order to prepare for your visit. I hope it will be possible for you to spend up to a week with us.

NATIONAL RADIO ASTRONOMY OBSERVATORY

EDGEMONT ROAD
CHARLOTTESVILLE, VIRGINIA 22901
TELEPHONE 703 - 296 - 0211

POST OFFICE BOX 2
GREEN BANK, WEST VIRGINIA 24944
TELEPHONE 304 - 456 - 2011
TWX 304 - 940 - 2481

April 12, 1967

Professor J. H. Oort
Director
Sterrewacht te Leiden
Leiden, The Netherlands

Dear Professor Oort:

The Board of Trustees of Associated Universities, Inc. has established support for the Karl G. Jansky Lecture to be given each year at the NRAO in Charlottesville, Virginia, by a scientist usually chosen for his contributions to the field of astronomy. The NRAO Jansky Lecture Committee would like to extend to you our invitation to be the Jansky Lecturer for 1967.

The Jansky Lecture is semi-popular, broad in scope, and open to the public. For example, our last lecturer was John Bolton, who delivered an excellent introductory lecture on radio astronomy last October 28. His talk was very successful, well attended, and set the tone for future lectures in this series. He spent a week at the NRAO, visited informally among our staff, and gave us a colloquium while he was here.

We would be pleased if you would deliver the next lecture in this series. The topic and lecture title would be your choice. Some topic in galactic astronomy or 21-cm radio astronomy might be appropriate, but we would be pleased with whatever subject you choose to treat. If you honor us by accepting, we will be pleased to pay your travel expenses between Charlottesville and Leiden, lodging and expenses while you are here, and an honorarium of \$500 for the lecture. We would suggest a lecture date on a week night between October 23 and November 3, but we can choose another date in the fall if that would prove more convenient for you.

If you accept, we would appreciate knowing the title of your lecture and the date you would prefer, so that we can proceed with some of the advance arrangements that will be necessary in order to prepare for your visit. I hope it will be possible for you to spend up to a week with us.

Professor J. H. Oort

-2-

April 12, 1967

If you would like any further information about the Lecture, please let me know and I shall try to provide it for you. Dr. Heesch, the NRAO staff, our Jansky Lecture Committee, and I would like to extend our sincere hope that you will be able to deliver this lecture here later this year.

Sincerely yours,

Bill Howard

William E. Howard III, Chairman
Jansky Lecture Committee

WEH/jtk



UNIVERSITY OF CALIFORNIA
UNIVERSITIES OF CHICAGO AND TEXAS
HARVARD UNIVERSITY
INDIANA UNIVERSITY
UNIVERSITY OF MICHIGAN
THE OHIO STATE UNIVERSITY
UNIVERSITY OF WISCONSIN
YALE UNIVERSITY
PRINCETON UNIVERSITY

Leiden, November 9, 1967.

KITT PEAK NATIONAL OBSERVATORY

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NATIONAL SCIENCE FOUNDATION

Dr. G.P. Kuiper,
Lunar and Planetary Observatory,
University of Arizona,
Tucson, Ariz. 85721,
U.S.A.

November 29, 1967

950 North Cherry Avenue
P.O. Box 4130
Tucson, Arizona 85717
AC 602 327-5511
Cable Address:
AURACORP, Tucson

Beste Gerard,

Zoals je waarschijnlijk weet zullen Mieke en ik de maanden December en Januari in Pasadena doorbrengen. Wij zouden het leuk vinden om op de terugweg Tucson te bezoeken en zowel de National Observatory als jouw instituut te bezoeken. Zouden 30 en 31 januari jou schikken? Wij zouden dan 30 januari om 2.25^{pm} aan kunnen komen met A.A. 136 en zouden 1 februari weer om 2.30 p.m. moeten vertrekken naar Dallas ^{en} Washington. Ik schrijf tegelijk met deze brief ook aan Nick Mayall.

This is my first opportunity since returning from Chile to visit Tucson next year at the end of January. I shall do my best to be on hand and to meet your plane when you come from Los Angeles. Only an unexpected emergency call to leave Tucson at that time would prevent my welcoming you again to Tucson and this Observatory. Kay, of course, shares my feelings of delight about your coming, and we look forward with the greatest pleasure to seeing you again.

With our very best regards and wishes,

Sincerely yours,

Nick

N. U. Mayall

NUM:lje

Received by Gerard in Pasadena

Received by Nick in Pasadena

Received by Nick in Pasadena



KITT PEAK NATIONAL OBSERVATORY

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INDIANA UNIVERSITY
UNIVERSITY OF MICHIGAN
THE OHIO STATE UNIVERSITY
UNIVERSITY OF WISCONSIN
YALE UNIVERSITY
PRINCETON UNIVERSITY

November 29, 1967

950 North Cherry Avenue
P. O. Box 4130
Tucson, Arizona 85717
AC 602 327 - 5511
Cable Address:
AURACORP, Tucson

Dr. J. H. Oort
Sterrewacht Te Leiden 5
Leiden, Netherlands

Dear Jan:

This is my first opportunity since returning from Chile to write you how delighted we are to learn that you and Mieke will be able to visit Tucson next year at the end of January. I shall do my best to be on hand and to meet your plane when you come from Los Angeles. Only an unexpected emergency call to leave Tucson at that time would prevent my welcoming you again to Tucson and this Observatory. Kay, of course, shares my feelings of delight about your coming, and we look forward with the greatest pleasure to seeing you again.

With our very best regards and wishes,

Sincerely yours,

N. U. Mayall

NUM:lje

*Beantw. 2 jan. in Paloma
Gruetd dat we bij de Bok's logen
Om mogelijkst dat we t in de volgende maanden stillen*

STERREWACHT TE LEIDEN

Leiden, November 9, 1967.

Leiden, 9 november 1967.

Dr. N.U. Mayall,
Kitt Peak Observatory,
Box 4130,
Tucson, Ariz. 85717,
U.S.A.
Dr. E. R. ...
Owens Valley ...
California ...
1201 East California Blvd.,
Pasadena, Cal. 91109,
U.S.A.

Dear Nick,

Mieke and I will be spending December and January in Pasadena. I would very much like to use this opportunity to revisit Tucson. I wonder whether January 30 and 31 would be convenient for such a visit. At that time we would be on our return journey to Holland.

If the days mentioned would be convenient to you we could come to Tucson by the American Airlines flight 136 from Los Angeles, arriving January 30 at 2.25 p.m. We would then have to leave again on February 1 at 2.30 p.m. I am also writing to Kuiper as I would like to visit his institute as well.

Both Mieke and I would be greatly looking forward to seeing you again.

With kindest wishes,

Met hartelijke groeten,

sincerely yours,

STERREWACHT TE LEIDEN

Leiden, 9 november 1967.

LYMAN SPITZ **Leid**
659 LAKE DRIVE
PRINCETON, N. J.

Dr. E. Raimond,
Owens Valley Radio Observatory,
California Institute of
Technology,
1201 East California Blvd.,
Pasadena, Cal. 91109,
U.S.A.

Beste Ernst,

Wij hebben nu definitief geboekt op de vlucht van 3 december van Washington naar Los Angeles. Dit is vlucht TW 407 die om 20.58 in Los Angeles aankomt.

Ik kreeg net ook je brief van 31 oktober en dank je daar wel voor. We zullen alle problemen wel kunnen bespreken gedurende de paar dagen dat wij gezamenlijk in Pasadena zijn. Ook ons spijt het dat wij jullie niet wat langer kunnen meemaken, maar daar is niets aan te doen.

Davis is net gisteren hier aangekomen en zal op 22 november gaan promoveren.

Met hartelijke groeten,

Why did man not find out earlier?

LYMAN SPITZER, JR.

659 LAKE DRIVE

PRINCETON, N. J.

Dec. 23, 1967

Dear Jan:

Your Christmas card, which we enjoyed so much yesterday, reminded me that here you have been in this country a month now and I have not even been in touch with you. I fear that my dereliction in this respect evidences a gross misdirection of effort on my part! I do hope I have not delayed so long that your schedule would not at this late stage permit a visit to Princeton.

All of us here hope so much that you and Mieke will be able to stop off here on your way back to Holland. I gather that you are leaving Pasadena the end of January. Could you be persuaded to come here for a long week-end, stay over ^{the following} until Tuesday, and give us a colloquium?

As you remember, perhaps, our colloquia are normally on Tuesdays. Other days are possible, if there is no Tuesday convenient for you, but conflicts with other events may deplete the audience on other days. The astronomer in charge of our colloquia is

P.S. How we do hope you can do this! Could we do any advance house hunting for Bram perhaps? This would give you another reason for coming!

much love D.

We are so pleased that Bram & his family will be moving here, - this should make it easier to persuade you to stop at Princeton frequently! L.

away for vacation at the moment, but I believe there are no outside speakers scheduled for February, - and internal speakers can easily be rescheduled. When will you be coming back east, and when could you conveniently manage to fit a Princeton visit into your schedule? D and I are anxious to have you stay here with us in our new home, and I am sure that almost any date could be fine for us, - until the middle of March, when I must be in Tucson for most of a week, and perhaps Dreen also.

I hope you have a delightful Christmas in Pasadena. We remember so vividly how much we enjoyed your Christmas with us some ten or more years ago, and look forward to seeing you again soon. February and March in Princeton are not so attractive scenically as Haamstedde in the autumn, but we would at least offer you the warmest of welcomes.

I shall be much interested to hear of your recent astronomical work. Most of my free time goes into trivia connected with my interstellar matter tract. With all best wishes to you and Mieke,

Sincerely,

Glynn

CALIFORNIA INSTITUTE OF TECHNOLOGY

PASADENA, CALIFORNIA 91109

OFFICE OF THE PRESIDENT

December 7, 1967

Dr. Jan H. Oort
Mount Wilson Office
813 Santa Barbara Street
Pasadena, California 91106

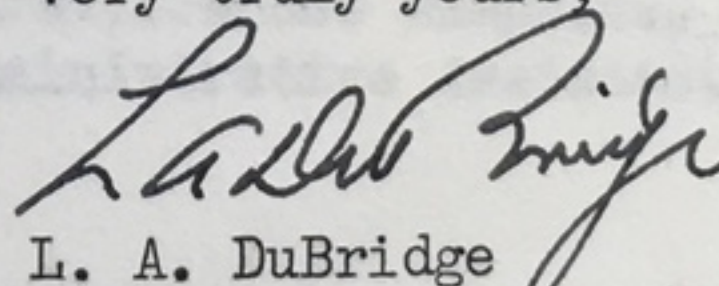
Dear Dr. Oort:

This letter is to inform you that you have been granted a faculty appointment, as Research Associate in Astronomy, at the California Institute of Technology, concurrent with your stay here under the sponsorship of the Carnegie Institution, effective December 1, 1967, without stipend. This action was taken by the Institute Board of Trustees, at its meeting on April 20, 1967, upon the recommendation of the Director of the Mount Wilson and Palomar Observatories and with the approval of the Provost and the President of the Institute.

With this courtesy appointment, you will be granted general faculty privileges on the campus, which include attending seminars and conferences, and the use of the libraries and facilities at the Athenaeum and gymnasium.

We are happy to welcome you back to the Institute and hope you will enjoy renewing your associations here. For our records, will you kindly indicate your acceptance of this appointment on the enclosed copy of this letter and return it to the Faculty Office.

Very truly yours,


L. A. DuBridge
President

cc: Provost
H. W. Babcock



HISSINK & Co. N.V.

N.V. NIEUWE NATIONALE VERZEKERINGS SOCIËTEIT N.V.S.

Hoofdkantoor: Amsterdam-C.
Keizersgracht 206
Telefoon 237053

Gem. Giro H 4229 - F

Algemene Bank N
A.B.C. code 5 th ar

Bij beantwoording s.v.
Afd. Service
vdH/RE

Mevrouw J.M. Oort-Graadt van Roggen,
Stamweg 5

CALIFORNIA INSTITUTE OF TECHNOLOGY

PASADENA, CALIFORNIA 91109

OFFICE OF THE PROVOST

December 7, 1967

Betref

Mevrouw

Naar a
een aa

Zoals
en C m

Wij ma
binati
het vl

Indien
formul

In afw

Dear Dr. Oort:

The enclosed letter supersedes that of December 5th, which you received this week. I regret very much the clerical error regarding your status at the observatories contained in the first letter and trust this will correct the records.

I hope you are enjoying your stay in Pasadena and are enjoying the many changes on the campus since your last visit. If we can be of help to you in any way while you are here, please notify this office. Again, I am sorry for the error in the original letter.

Sincerely yours,

Frances Humphries
(Mrs.) Frances Humphries
Administrative Assistant

FH ab
enclosure

Service-kant

450

0- 61125
0-605701
0- 37814
0-133526



HISSINK & Co. N.V.

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A.B.C. code 5th and 6th edition

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Afd. Service
vdH/RB

Mevrouw J.M. Oort-Graadt van Roggen,
Sterrewacht 5,
Leiden.

AMSTERDAM-C., 1 november 1967.

Betreft: Reisverzekering.

Mevrouw,

Naar aanleiding van Uw schrijven d.d. 25 oktober j.l. doen wij U bijgaand een aanvraagformulier voor een reisverzekering toekomen.

Zoals hierop aangegeven zijn er drie mogelijkheden n.l. combinatie A, B en C met resp. f. 0,40, f. 0,60 en f. 0,80 premie per dag.

Wij maken U er nog op attent dat het vliegrisico heen en terug voor combinatie A bij de premie is inbegrepen, voor combinatie B en C moet voor het vliegrisico een toeslagpremie worden betaald van f. 1,25 resp. f.2,50.

Indien U van deze mogelijkheid gebruik wenst te maken, zien wij het aanvraagformulier gaarne ingevuld en door U ondertekend retour.

In afwachting,

24 nov. t.e.m. 3 feb. $\frac{10.80}{1.80} = 6$
 $7 + 31 + 31 + 3 = 72 \text{ d.}$ $6 \times 72 = 432$
 $432 - 276 = 156$

Dagje vliegen 24 nov. tot en met 3 dec.
en van 29 jan. tot en met 3 feb.
156 per persoon

Bij Hissink aangevraagd om Middel en m3 Comb. C.

hoogachtend,
Hissink & Co. N.V.

Service-kantoren:

Amsterdam
Antwerpen
Arnhem

Westermarkt 19
M. Theresialei 2
Velperbinnensingel
hoek Nieuwstad

Telefoon 020-237053
Telefoon 3-336081
Telefoon 08300-25181

Eindhoven
's-Gravenhage
Groningen
Rotterdam

Wal 1a
Parkstraat 63-65
Zuiderpark 19
Eendrachtsweg 58

Telefoon 040- 61125
Telefoon 070-605701
Telefoon 05900- 37814
Telefoon 010-133526

8. 5. 1960

320 (b)

TELEPHONE: 061-273 333 ~~KODAK~~

(Physics - Ext. 34)

PROFESSOR P. G. MURPHY.



DEPARTMENT OF PHYSICS
HIGH ENERGY GROUP
THE UNIVERSITY OF MANCHESTER
MANCHESTER M13 9PL

PGM/PC

17th July, 1970

Professor J. H. Oort,
Director,
University Observatory,
LEIDEN,
Netherlands.

Dear Professor Oort,

I would like to invite you to give a lecture in our Schuster Colloquium series at Manchester, on a subject of your choice. The audience would consist of postgraduate students and staff members of the physics department, who work in a variety of fields of research. We would pay all your travelling expenses from Leiden and, in addition, a fee of twenty five guineas.

The colloquia are held approximately monthly at 4.15 p.m. The best date would be Wednesday, October 21, but Wednesday, November 18 would also be possible. If a date in the autumn would not suit you, it would be possible to have the lecture in the winter term, after Christmas.

I hope you will be able to accept this invitation.

Yours sincerely,

A handwritten signature in dark ink, appearing to read 'P. G. Murphy'.

P. G. MURPHY

Leiden, August 4, 1970.

Professor P.G. Murphy,
Department of Physics,
High Energy Group,
The University of Manchester,
Manchester. M13 9PL.
England.

Dear Professor Murphy,

Thank you for your invitation to give a lecture in your Schuster Colloquium series. I shall be happy to do this; October 21st would suit me quite well, and I have therefore noted this date. November 18 would not be possible for me.

As a subject I would suggest "Galaxies and the Universe", in which I could deal with the problem of what such properties of galaxies as rotation, distribution and motions, instability phenomena in their nuclei, etc. can teach us about the properties of the universe.

If you would prefer a more restricted subject "Structure of the nucleus of our Galaxy and indications of its instability" would be another possibility. You do not write about astronomers; am I right in assuming that they will also be invited to the colloquium?

Sincerely yours,

8-5-1968

320 (c)

Leiden, July 19, 1971.

Continuing Education,
Room 923 Campus Center,
University of Massachusetts,
Amherst, Mass. 01002.
U.S.A.

Dear Sir,

Dear Sir,

Would you please reserve for me a single room at the Campus Center of the University of Massachusetts for the days of the meeting of the American Astronomical Society. I would be obliged to you if you could change my reservation at the Campus Center at the occasion of the American Astronomical Society meeting so that it would start on Sunday August 22nd instead of on the 23rd as previously requested.

Yours sincerely,

Yours sincerely,

J.H. Oort

J.H. Oort

Dear Sir,

Further to my letter of June 2 I would be obliged to you if you could change my reservation at the Campus Center at the occasion of the American Astronomical Society meeting so that it would start on Sunday August 22nd instead of on the 23rd as previously requested.

Sincerely,

Leiden, June 2, 1971.

AMERICAN ASTRONOMICAL SOCIETY

211 FITZ RANDOLPH ROAD
PRINCETON, NEW JERSEY 08540

Continuing Education,
Room 923 Campus Center,
University of Massachusetts,
Amherst, Mass. 01002.
U.S.A.

September 8, 1971

Dear Sir,

Would you please reserve for me a single room at the Campus Center of the University of Massachusetts for the days of the meeting of the American Astronomical Society, i.e. from the night of August 23rd up to and including the night of the 26th. If no space is available in the Campus Center I would like to have a Dormitory room.

Dear Dr. Oort:

During the processing of the abstracts which are to be included in the BULLETIN of the American Astronomical Society, your request for the acceptance of the page charges or an explanation of the charges was noted.

Yours sincerely,

Entente of my letter on the
night of 22 Aug. on the
entertainment.

J.H. Oort

In part of the letter of 22 Aug. 1971, your signature as required on the enclosed form is requested at the earliest convenience but no later than 8 October 1971.

Dear Sir

Further to my letter of June 2, I would appreciate it if you could change my reservation at the Campus Center at the occasion of the Am. Astr. Soc. meeting so that it would start on Sunday August 22nd instead of on the 23rd as previously requested.

Sincerely,

S. N. Curtis

AMERICAN ASTRONOMICAL SOCIETY

211 FITZ RANDOLPH ROAD
PRINCETON, NEW JERSEY, 08540

H. M. GURIN
Executive Officer

609-452-3819

September 8, 1971

Dr. J. H. Oort
Sterrewacht
Leiden, Holland

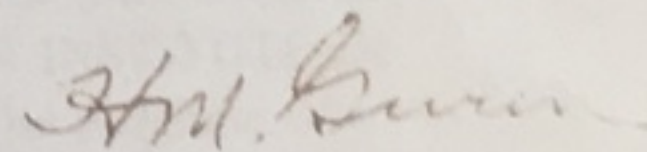
Dear Dr. Oort:

During the processing of the abstracts which are to be included in the BULLETIN of the American Astronomical Society, it was noted that a signature for the acceptance of the page charges or an explanation for non-payment was lacking.

As you know, authors or their institutions are expected to pay \$20. in partial support of publishing the abstract in the BAAS. Please affix your signature as required on the enclosed form and return it at your earliest convenience but no later than 8 October 1971 to:

Editor, BAAS
211 Fitz Randolph Road
Princeton, N. J. 08540

Sincerely yours,



H. M. Gurin

HMG:mgg
Enclosure

TITLE: A High Resolution Radio Continuum Survey of M51 and NGC 5195
at 1415 MHz. D.S. Mathewson, P.C. Van der Kruit and W.N. Brouw

ABSTRACT GALLEYS AND PAGE PROOFS ARE NOT PROVIDED TO THE AUTHOR.

The abstract may include key references (parenthesized in the text) but should not exceed 300 words; also unusual symbols, long tables, and complex mathematical formulas should be avoided.

Content of abstracts should be as specific as possible, giving concise conclusions and numerical results. Abstracts which do little more than verbosely repeat the title will not be accepted.

The abstract of a paper by a scientist who is not a member of the Society must be countersigned below* by a member. The address of the Editor of the Bulletin of the American Astronomical Society is: 211 FitzRandolph Road, Princeton, New Jersey 08540.

ACCEPTANCE OF PUBLICATION CHARGE

We hereby agree to pay \$20 in partial support of the publication of this abstract in B.A.A.S.

Institution to be Billed

Address

(Zip Code)

Signature of Authorized Agent

Date

If your organization requires a purchase order to cover our billing, please supply the number of the purchase order here (P.O. _____) and send the purchase order to PUBLICATION CHARGE AND REPRINT DEPT., AMERICAN INSTITUTE OF PHYSICS, 335 EAST 45th STREET, NEW YORK, N.Y. 10017. The purchase order must be marked "for publication in B.A.A.S." and must show title and author(s).

*Countersignature,
if applicable _____

AMERICAN ASTRONOMICAL SOCIETY

Office of the Secretary

Leiden, June 18th, 1971

Dr. Laurence W. Fredrick
American Astronomical Society
Leander McCormick Observatory
University of Virginia
Box 3818 Charlottesville, Virginia 22903

8 June 1971

USA Dr. J. H. Oort
Sterrewacht, Leiden, Holland

Dear Professor Oort:

Dear Dr. Fredrick,

Thank you for your letter of 7 June 1971 concerning a paper of
the first results at the new large radio telescope.

Thank you for your letter of June 8th.

I am enclosing an abstract of the paper concerned.

It would be entirely proper for Drs. Mathewson and van der Kruit
to submit a paper on the radio structure of M51, and for you to read
it. They should submit the abstract in the proper form for preprinting
and it should arrive in my office prior to 24 June 1971. I look
forward to your reading this paper and to seeing you in Amherst.

Sincerely yours,

With best wishes, I am

Sincerely yours,

J.H. Oort

p.o. A.M. Jacobs, secretary

LWF:vlp

Leander McCormick Observatory
University of Virginia
Box 3818 Charlottesville, Virginia 22903
Telephone 703/924-7002

AMERICAN ASTRONOMICAL SOCIETY

Office of the Secretary

Leiden, June 2, 1971.

Dr. L.W. Frederick,
A.A.S., Secretary,
Leander McCormick Observatory,
Box 3818, University Station,
Charlottesville, Va. 22903.
U.S.A.

Dr. L.W. Frederick,
Leander McCormick Observatory,
University of Virginia,
Box 3818,
Charlottesville, Va. 22903.

Dear Dr. Frederick,

8 June 1971

Dr. J. H. Oort
Sterrewacht, Leiden, Holland

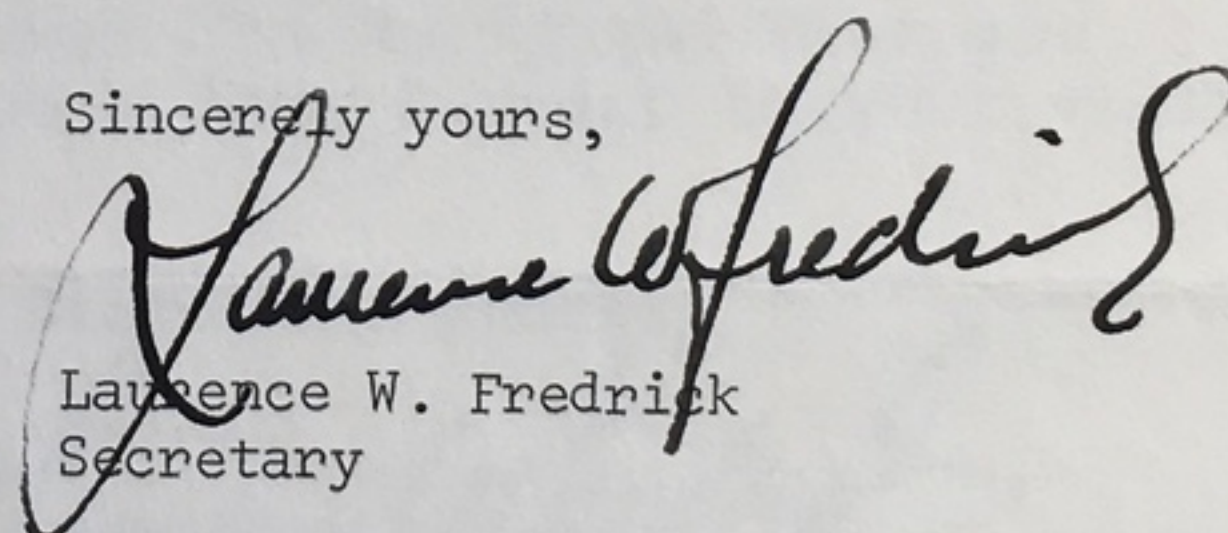
Dear Professor Oort:

Thank you for your letter of 2 June 1971 concerning a paper of the first results at the new large radio telescope.

It would be entirely proper for Drs. Mathewson and van der Kruit to present a paper on the radio structure of M51, and for you to read it. They should submit the abstract in the proper form for preprinting and it should arrive in my office prior to 28 June 1971. I look forward to your reading this paper and to seeing you in Amherst.

With best wishes, I am

Sincerely yours,



Laurence W. Fredrick
Secretary

LWF:vlp

Leander McCormick Observatory
University of Virginia
Box 3818 Charlottesville, Virginia 22903
Telephone 703/924-7002

AMERICAN ASTRONOMICAL SOCIETY
Office of the Secretary

Leiden, June 2, 1971.

Dr. L.W. Frederick,
A.A.S., Secretary, May 19, 1971.
Leander McCormick Observatory,
Box 3818, University Station,
Charlottesville, Va. 22903.
U.S.A.

Dr. L.W. Frederick,
Leander McCormick Observatory,
University of Virginia,
Box 3818,
Charlottesville, Va. 22903.
U.S.A.

Prof. J. H. Oort
Sterrewacht
Leiden, Holland

Dear Dr. Frederick,

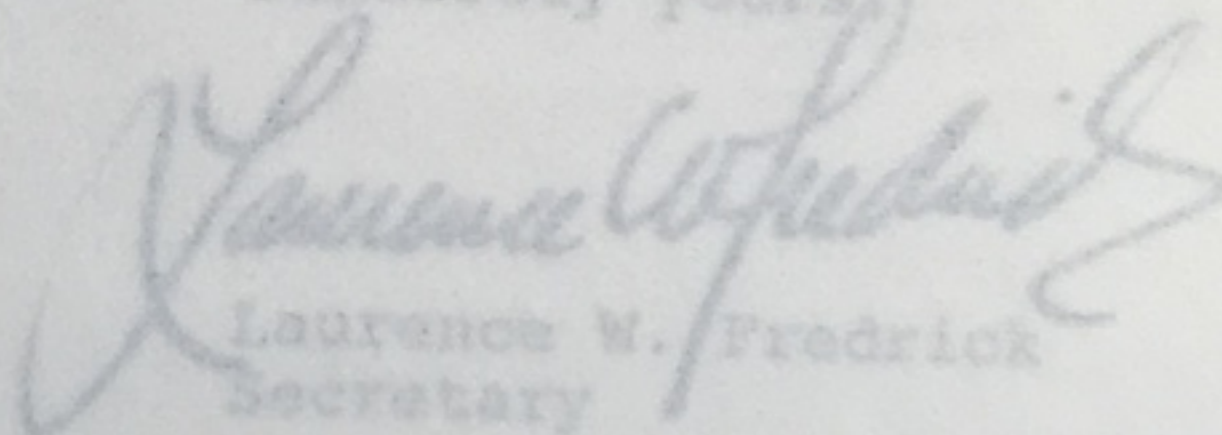
I think it would be nice if at the meeting of the American Astronomical Society in August some of the first results obtained with our new large radio telescope in Westerbork could be presented. The most suitable subject would be the radio structure of M51. The paper would be by D.S. Mathewson and P.C. van der Kruit, who, however, will not be present. I would be glad to present it in their name if you think that it would be suitable that I present this paper in addition to the introductory report which I had already promised.

With kind regards,

sincerely yours,

Again, may I say that I'm delighted that you will speak to the Society and I look forward to your visit with great anticipation.

Sincerely yours,


Laurence W. Fredrick
Secretary

LWF:rbj

cc: Prof. William Irvine
Dr. David S. Mathewson

Leander McCormick Observatory
University of Virginia
Box 3818 Charlottesville, Virginia 22903
Telephone 803/924/7000

AMERICAN ASTRONOMICAL SOCIETY

Office of the Secretary

Leiden, May 19, 1971.

12 May 1971

Dr. L.W. Frederick,
Leander McCormick Observatory,
University of Virginia,
Box 3818,
Charlottesville, Va. 22903.
U.S.A.

Prof. J. H. Oort
Sterrewacht
Leiden, Holland

Dear Prof. Oort:

Dear Dr. Frederick,

I am delighted to learn that you have agreed to give a review paper at the 139th Meeting of the American Astronomical Society.

Thank you for your kind letter of 12 May. I shall be very happy to prepare an introductory report. As a title I propose "The Central Region of our Galaxy".

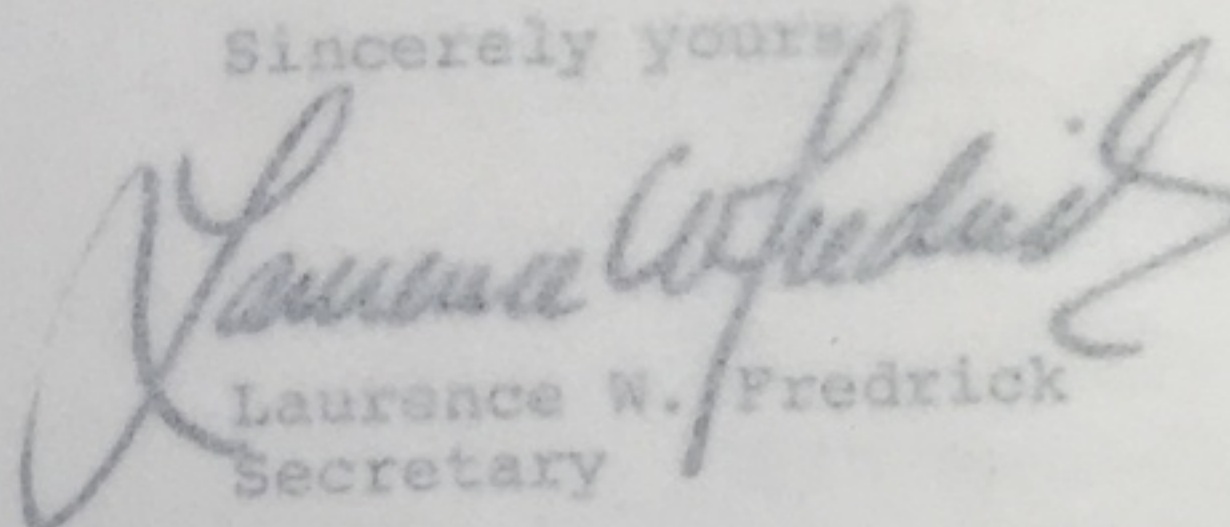
I have a review paper of August 1971 and the time allotted is approximately one hour. I shall try to prepare an abstract before 28 June, but I am not sure that I shall get around to this in time, nor whether it would be important in this case of a general lecture.

With kind greetings,
no other review paper in your session so you may consider including some of the infrared work, etc., as well as the radio studies. Your review will start at 09.30. I would appreciate receiving the title of your paper as soon as possible. You may submit an abstract containing up to 600 words typed in a column no wider than 12 centimeters. If you submit an abstract, it should be in by 28 June 1971 at the latest.

sincerely yours,

Again, may I say that I'm delighted that you will speak to the Society and I look forward to your visit with great anticipation.

Sincerely yours


Laurence W. Fredrick
Secretary

LWF:rbj

cc: Prof. William Irvine
Dr. David S. Heeschen

Leander McCormick Observatory
University of Virginia
Box 3818 Charlottesville, Virginia 22903
Telephone 703/924-7000

AMERICAN ASTRONOMICAL SOCIETY

Office of the Secretary

Leiden, August 11, 1971

Dr. Markov 12 May 1971

Director Space Research Division
American Science and Engineering
71 Corliss Street,
Cambridge, Mass. 02142.

Prof. J. H. Oort
Sterrewacht
Leiden, Holland

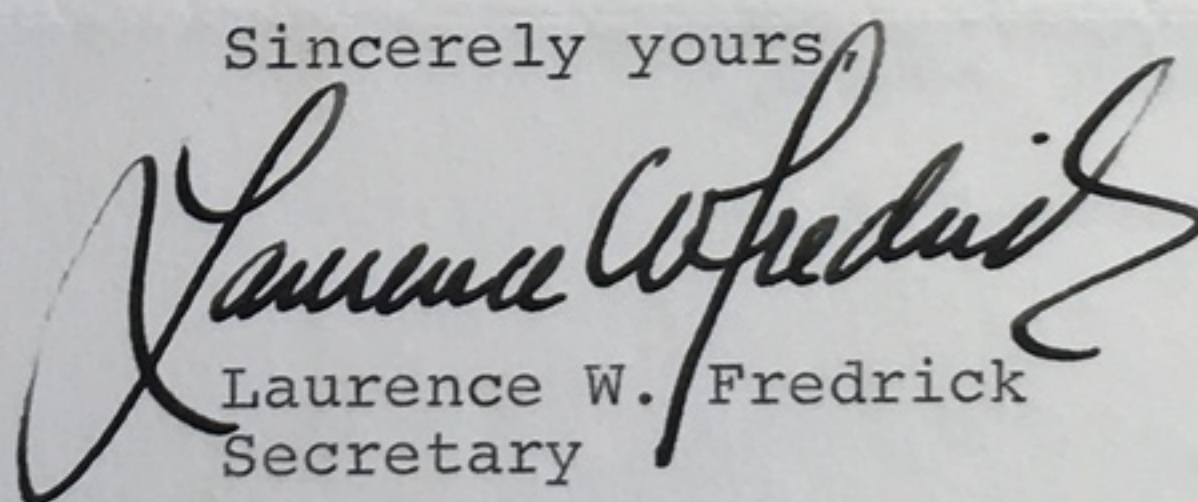
Dear Prof. Oort:

I am delighted to learn that you have agreed to give a review paper at the 139th Meeting of the American Astronomical Society.

I have assigned your review paper for the 25th of August 1971 and the time allotted is approximately one hour. I would suggest that you consider giving a 45 minute paper with 15 minutes for questions and answers and discussion -- principally discussion. There will be no other review papers in your session so you may consider including some of the infrared work, etc., as well as the radio studies. Your review will start at 09.30. I would appreciate receiving the title of your paper as soon as possible. You may submit an abstract containing up to 600 words typed in a column no wider than 12 centimeters. If you submit an abstract, it should be in my office by 28 June 1971 at the latest.

Again, may I say that I'm delighted that you will speak to the Society and I look forward to your visit with great anticipation.

Sincerely yours,



Laurence W. Fredrick
Secretary

LWF:rbj

cc: Prof. William Irvine
Dr. David S. Heeschen

Leander McCormick Observatory
University of Virginia
Box 3818 Charlottesville, Virginia 22903
Telephone 703/924-7002

Leiden, August 13, 1971.

NATIONAL RADIO ASTRONOMY OBSERVATORY

EDGEMONT ROAD
CHARLOTTESVILLE, VIRGINIA 22901
TELEPHONE 703-296-0211
TWX 510-587-5482

Dr. Herbert Gursky,
Director Space Research Division,
American Science and Engineering,
11 Carleton Street,
Cambridge, Mass. 02142.

POST OFFICE BOX 2
GREEN BANK, WEST VIRGINIA 26044
TELEPHONE 804-456-2011
TWX 710-985-1380

NATIONAL OBSERVATORY
P. O. BOX 4100
TUCSON, ARIZONA 85717
TELEPHONE 602-785-1191

Dear Dr. Gursky,

April 28, 1971

Thank you very much for your letter of July 28th with the kind invitation to visit you around the time of the Amherst meeting. I would very much have liked to do this, but unfortunately I can only arrive in the U.S. just before the meeting in Amherst and after that I have to proceed directly to New York for the Conference on Education in and History of Modern Astronomy where I promised to give an introduction.

Dr. J. H. Oort

I hope that maybe some other time there will be an opportunity to visit your institute.

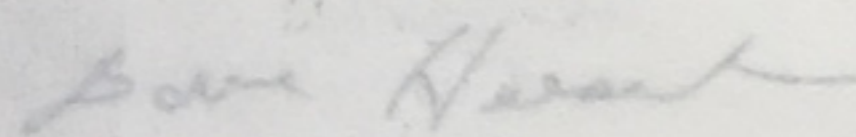
With kind regards,
Dear Dr. Gursky,

We are very pleased that you will be able to give the review paper on the galactic center at the Amherst AAS meeting. I am, Fredrick, the AAS secretary, will get in touch with you a little later about details of the meeting.

sincerely yours,

I look forward very much to seeing you in Amherst.

Sincerely yours,



D. S. Heeschen

DSH/pj

NATIONAL RADIO ASTRONOMY OBSERVATORY

NATIONAL RADIO ASTRONOMY OBSERVATORY
EDGEMONT ROAD
CHARLOTTESVILLE, VIRGINIA 22901
TELEPHONE 703-296-0211
TWX 510-587-5482

POST OFFICE BOX 2
GREEN BANK, WEST VIRGINIA 24944
TELEPHONE 304-456-2011
TWX 710-938-1530

C/O KITT PEAK NATIONAL OBSERVATORY
P. O. BOX 4120
TUCSON, ARIZONA 85717
TELEPHONE 602-795-1191

April 28, 1971

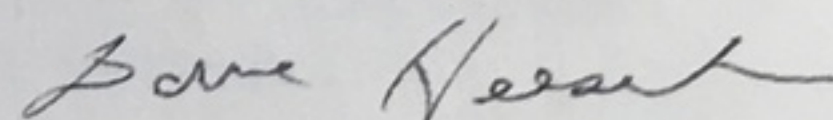
Dr. J. H. Oort
Sterrewacht te Leiden
Leiden, THE NETHERLANDS

Dear Dr. Oort:

We are very pleased that you will be able to give the review paper on the galactic center at the Amherst AAS meeting. Larry Fredrick, the AAS secretary, will get in touch with you a little later about details of the meeting.

I look forward very much to seeing you in Amherst.

Sincerely yours,



D. S. Heeschen

DSH/pj

NATIONAL RADIO ASTRONOMY OBSERVATORY

EDGEMONT ROAD
CHARLOTTESVILLE, VIRGINIA 22901

TELEPHONE 703-296-0211

TWX 510-587-5482

Leiden, March 29, 1971.

POST OFFICE BOX 2
EDGEMONT ROAD, WEST VIRGINIA 24044
TELEPHONE 703-296-0211
TWX 510-587-5482

GO KITT PEAK NATIONAL OBSERVATORY
P. O. BOX 4100
TUCSON, ARIZONA 85721
TELEPHONE 602-786-1301

March 17, 1971

Dr. D.S. Heesch,
National Radio Astronomy Observatory,
Edgemont Road,
Charlottesville, Va. 22901.
U.S.A.

Professor J. H. Oort
Sterrewacht te Leiden
Leiden, THE NETHERLANDS
Dear Dr. Heesch,

Dear Professor Oort,
Thank you for your letter of 17 March. I shall be very pleased to prepare a general introductory report on the central region of our Galaxy for the meeting of the American Astronomical Society in Amherst. I do not know whether there is anything very new to report, but I shall do my best to prepare a general review for that session.

These special sessions might well be desirable to ask one of the infrared observers to come and report on the latest results in their domain, and possibly there would also be news to report by somebody else on molecular lines, one or two invited speakers and the remainder of the session given over to contributed papers. With kindest wishes, the session is scheduled in parallel with the special session so that everyone attending the meeting, nowadays usually several hundred people, can attend the special sessions sincerely yours,

In order to emphasize your own extensive and unique contributions, I propose that you be the only principal speaker and talk for perhaps an hour or a little longer. If there are one or two individuals whose current specific work might especially complement what you would speak of, we could ask them to give reports, immediately following yours, that would be somewhat longer than the usual 10 minute contributed paper. I think that this, together with the usual contributed papers, could make a very interesting program.

The AAS unfortunately has no money for either expenses or honorarium. I understand that you may be in the U.S. at this time however.

I hope very much that you will accept this invitation. I'm sure that the AAS membership would welcome and appreciate your participation in the session on the galactic center.

Sincerely yours,

David Heesch

D. S. Heesch
Vice President, AAS

DSH/pj

NATIONAL RADIO ASTRONOMY OBSERVATORY
EDGEMONT ROAD
CHARLOTTESVILLE, VIRGINIA 22901
TELEPHONE 703-296-0211
TWX 510-587-5482

POST OFFICE BOX 2
GREEN BANK, WEST VIRGINIA 24944
TELEPHONE 304-456-2011
TWX 710-938-1530

C/O KITT PEAK NATIONAL OBSERVATORY
P. O. BOX 4130
TUCSON, ARIZONA 85717
TELEPHONE 602-795-1191

March 17, 1971

Professor J. H. Oort
Sterrewacht te Leiden
Leiden, THE NETHERLANDS

Dear Professor Oort:

The American Astronomical Society, at its meeting in Amherst, Massachusetts August 24-27, will have a special session devoted to the galactic center. I am writing to invite you to be the principal speaker at that session.

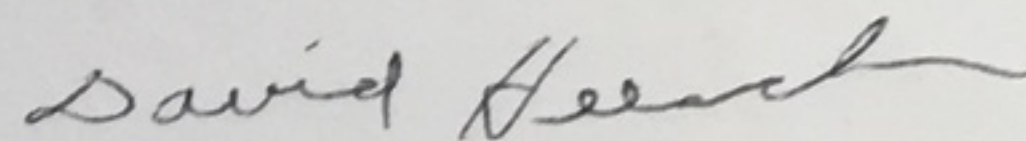
These special sessions, on topics of current particular interest, have become a regular and popular feature of the AAS meetings. Each consists of a morning or afternoon devoted to the subject in question, with usually one or two invited speakers and the remainder of the session given over to contributed papers. No other session is scheduled in parallel with the special session so that everyone attending the meeting, nowadays usually several hundred people, can attend the special session.

In order to emphasize your own extensive and unique contributions, I propose that you be the only principal speaker and talk for perhaps an hour or a little longer. If there are one or two individuals whose current specific work might especially complement what you would speak of, we could ask them to give reports, immediately following yours, that would be somewhat longer than the usual 10 minute contributed paper. I think that this, together with the usual contributed papers, could make a very interesting program.

The AAS unfortunately has no money for either expenses or honorarium. I understand that you may be in the U.S. at this time however.

I hope very much that you will accept this invitation. I'm sure that the AAS membership would welcome and appreciate your participation in the session on the galactic center.

Sincerely yours,



D. S. Heesch
Vice President, AAS

DSH/pj

UNIVERSITY OF MARYLAND

COLLEGE OF ARTS AND SCIENCES
DEPARTMENT OF PHYSICS AND ASTRONOMY

MAILING ADDRESS:

ASTRONOMY PROGRAM
UNIVERSITY OF MARYLAND
COLLEGE PARK 20742

August 16, 1971

Professor J. H. Oort
President Kennedylaan 169
Oegstgeest
The Netherlands

Dear Jan:

Thank you for your letter. We are very pleased to hear that you will be able to visit us at the University around September 22, and also that you will be able to stay with us. I shall contact Mrs. Rubin as you suggest to tell her of your plans and work out some joint arrangements.

Looking forward to seeing you shortly,

Yours sincerely,

Frank

Frank J. Kerr
Professor of Astronomy

FJK:ls

UNIVERSITY OF MARYLAND

COLLEGE OF ARTS AND SCIENCES
DEPARTMENT OF PHYSICS AND ASTRONOMY

Leiden, August 9, 1971.

MAILING ADDRESS:
ASTRONOMY PROGRAM
UNIVERSITY OF MARYLAND
COLLEGE PARK 20742

Dr. F.J. Kerr,
Astronomy Program,
University of Maryland,
College Park, Maryland 20742.
U.S.A.

Professor J. H. Oort
President Kennedylaan 169
Oegstgeest
The Netherlands
Dear Frank,

Dear Jan:

Thank you for your letter of August 4th. I shall be happy to come to Washington and give a colloquium on Wednesday, September 22 and to stay a couple of days around that time in order to talk with the astronomers at the University of Maryland and at the Department of Terrestrial Magnetism. I got a letter from Mrs. Rubin the other day, inviting me to visit their institute. Perhaps you could contact her so that the colloquium could be a joint affair for the two institutes. As a title I would suggest: Some recent results on the radio structure of galaxies, obtained with the Westerbork Synthesis Radio Telescope. Of course this invitation includes Mieke, if she has any possibility of coming here too.

I would be very happy indeed to accept your invitation to stay with Maureen and you if you are ^{sure} this will not cause too much trouble.

Looking forward to seeing you soon, sincerely,

Frank
sincerely yours,
Frank J. Kerr
Professor of Astronomy

FJK:ls

UNIVERSITY OF MARYLAND

COLLEGE OF ARTS AND SCIENCES
DEPARTMENT OF PHYSICS AND ASTRONOMY

MAILING ADDRESS:
ASTRONOMY PROGRAM
UNIVERSITY OF MARYLAND
COLLEGE PARK 20742

August 4, 1971

Professor J. H. Oort
President Kennedylaan 169
Oegstgeest
The Netherlands

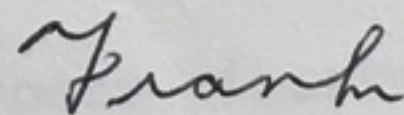
Dear Jan:

Thank you for your letter. I am glad to know that you hope to have time to visit our department while you are at Princeton. Could I suggest Wednesday, September 22, for a colloquium, as there are certainly many people here who would be very interested to hear about your recent results, and then we would be pleased for your visit to extend before or after that date, for as long as you can spare the time.

Maureen and I would like to invite you to stay with us while you are here, if you would like to do so, and of course this invitation includes Mieke, if she has any possibility of coming here too.

With best wishes to Mieke and yourself,

Yours sincerely,



Frank J. Kerr
Professor of Astronomy

FJK:ls

UNIVERSITY OF MARYLAND

COLLEGE OF ARTS AND SCIENCES
DEPARTMENT OF PHYSICS AND ASTRONOMY

MAILING ADDRESS:
ASTRONOMY PROGRAM
UNIVERSITY OF MARYLAND
COLLEGE PARK 20742

July 14, 1971

Dr. J. H. Oort
Sterrewacht 5
Leiden
The Netherlands

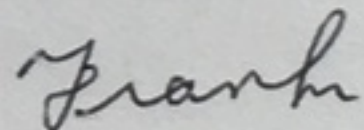
Dear Jan:

I see from the programs of several meetings that you will be on this side of the Atlantic shortly, for at least a few weeks. Maureen and I would very much like to invite you (and Mieke, if she will be with you) to our house for dinner, if there is some suitable occasion when you will be in our vicinity. Gert is away at present, and I have just returned from vacation, so I do not know whether he has already invited you to visit the Department, but we would of course be delighted if you could manage to spend some time here.

As far as dinner is concerned, Saturday, August 21, is an evening when some other interesting people will be at our house, and we wonder if by chance you would be in this region at that time. Otherwise, I hope we can arrange something before or after the Green Bank symposium, on some date suitable to you.

Maureen joins me in sending best wishes to you and Mieke.

Yours sincerely,



Frank J. Kerr
Professor of Astronomy

FJK:ls

Leiden, July 21st, 1971.

Leiden, August 2, 1971.

Dr. F.J. Kerr,
Astronomy Program,
University of Maryland,
College Park, Maryland 20742.
U.S.A.

3341 Broad Branch Road,
Washington, D.C. 20037.
U.S.A.

July 23, 1971

Prof. Dear Frank,

Sterrewacht te Leiden
Holland

Thank you very much for your kind letter of July 14th. Unfortunately I shall not be able to be in Washington on August 21, because I am only arriving at Amherst in the evening of August 22nd. Mieke is not coming to the Green Bank conference, but we are both planning to stay in Princeton from September 9 to October 4.

I hope there will be a possibility, at least for myself, to pay a visit to your department during that time and possibly give a colloquium on some of our recent Westerbork results. I shall be in DTM in September. Between September 10 and 15 I shall be mostly in Princeton, where you can reach me at the Observatory.

With best wishes to Maureen and yourself, I like to visit you. If I come to Washington I would of course like to visit you at the astronomical department of the University of Maryland.

If you wish I could give a colloquium, either on the central region of our Galaxy or on some recent results of the Radio Telescope at Westerbork concerning nuclear activity in galaxies in general.

With kind regards, If you can accept this invitation, either for September or at a later date when you will be nearby, please let me know, and we will make the necessary arrangements for you and Mrs. Oort if she is accompanying you.

Our latest work on the M31 nuclear disk is to appear shortly and I am enclosing a preprint. I would appreciate any comments you have.

With best wishes,

Sincerely yours,

Vera C. Rubin

Vera C. Rubin

Preprint enclosure

Leiden, August 2, 1971.

CARNEGIE INSTITUTION OF WASHINGTON

DEPARTMENT OF TERRESTRIAL MAGNETISM

5241 BROAD BRANCH ROAD

WASHINGTON, D. C. 20015

TELEPHONE: 666-0863
AREA CODE 202

Dr. Vera C. Rubin,
Department of Terrestrial Magnetism,
5241 Broad Branch Road,
Washington, D.C. 20015.
U.S.A.

July 23, 1971

Prof. J. H. Oort
Sterrewacht te Leiden
Holland, The Netherlands

Dear Mrs. Rubin,

Dear Prof. Oort:

Thank you very much for your letter of July 23, and the enclosed paper on the emission lines in the nuclear disk of M31, which I am looking forward to read with intense interest.

I have just seen the program of the August meeting and noted with great interest your invited paper on "The Central Region of our Galaxy". Because our recent work on M31 has led us into the central region of that galaxy, I am very interested in your talk. Unfortunately, I will be vacationing in the west with the family, so will not be attending the meetings. If you have any time to spend in Washington following the Greenbank High Velocity astronomical department of the University of Maryland. If you wish I could give a colloquium, either on the central region of our Galaxy or on some recent results obtained with the Radio Telescope at Westerbork concerning nuclear activity in galaxies in general.

We would be honored if you could spend a few days visiting with us at DTM as a guest of the Department of Terrestrial Magnetism. I think our varied activities in radio and optical astronomy would be of interest, and I know we would profit from discussions with you. If you can accept this invitation, either for September or at a later date when you will be nearby, please let me know, and we will make the necessary arrangements for you and Mrs. Oort if she is accompanying you.

With kind regards,

sincerely yours,

Our latest work on the M31 nuclear disk is to appear shortly, and I am enclosing a preprint. I would appreciate any comments you have.

With best wishes,

Sincerely yours,

Vera C. Rubin

Vera C. Rubin

Preprint enclosure

CARNEGIE INSTITUTION OF WASHINGTON

DEPARTMENT OF TERRESTRIAL MAGNETISM

5241 BROAD BRANCH ROAD, N. W.

WASHINGTON, D. C. 20015

TELEPHONE: 966-0863
AREA CODE 202

July 23, 1971

Prof. J. H. Oort
Sterrewacht te Leiden
Holland, The Netherlands

Dear Prof. Oort:

I have just seen the program of the August ^{AAS} meeting and noted with great interest your invited paper on "The Central Region of our Galaxy". Because our recent work on M31 has led us into the central region of that galaxy, I am very interested in your talk. Unfortunately, during August I will be vacationing in the west with the family, so will not be attending the meetings. Will you have any time to spend in Washington following the Greenbank High Velocity Cloud Conference? We would be honored if you could spend a few days visiting with us at DTM as a guest of the Department of Terrestrial Magnetism. I think our varied activities in radio and optical astronomy would be of interest, and I know we would profit from discussions with you. If you can accept this invitation, either for September or at a later date when you will be nearby, please let me know, and we will make the necessary arrangements for you and Mrs. Oort if she is accompanying you.

Our latest work on the M31 nuclear disk is to appear shortly, and I am enclosing a preprint. I would appreciate any comments you have.

With best wishes,

Sincerely yours,

Vera C. Rubin

Vera C. Rubin

Preprint enclosure

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KANDIAH SHIVANANDAN
COM 7126.3
SPACE SCIENCE DIVISION

NAVAL RESEARCH LABORATORY

WASHINGTON, D.C. 20390

IN REPLY REFER TO:

Sept 18 1971

Dear Professor Oork:

Enclosed please find
announcement of your seminar at NRL.
I will try to contact you or Professor
Kerr on Wednesday Sept 22 and
make arrangements for transportation to
NRL on Thursday morning. Probably I
will personally pick you up. I can
be contacted either at my office
(767-2749) or home (652-4536)
if any further assistance is needed.

Yours Sincerely

K. Shivanandan

E. O. HULBURT CENTER FOR SPACE RESEARCH
SPACE SCIENCE DIVISION

and

LABORATORY FOR COSMIC RAY PHYSICS
NAVAL RESEARCH LABORATORY
WASHINGTON, D.C.

JOINT COLLOQUIUM

Speaker: Prof. J. H. Oort
Leiden Observatory
Leiden, Holland

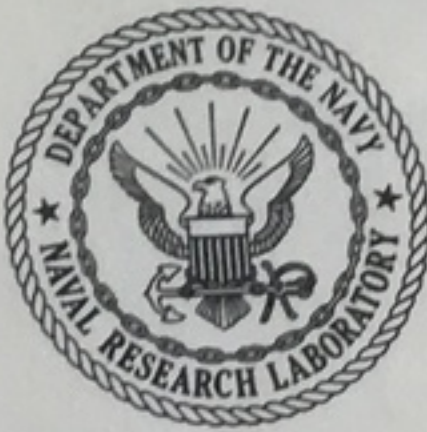
Subject: "RADIO STRUCTURE OF GALAXIES"

Time: 10:00* a.m., Thursday
23 SEPTEMBER 1971

Place: Auditorium, Bldg. 222, NRL

* Coffee at 9:30 a.m.

Persons from outside the Laboratory who are American citizens and wish to attend the meeting may obtain passes for the purpose in Building 72 by making prior telephone arrangements with the Security Office, 767-2996 (Government Tie Line 197, X2996). These passes must be countersigned by a Laboratory representative at the conclusion of the meeting.



NAVAL RESEARCH LABORATORY

WASHINGTON, D.C. 20390

IN REPLY REFER TO:

7126.3-27:KS:jmw

11 August 1971

Prof. J. H. Oort
Leiden Observatory
Sterrewacht
Leiden, Holland

Dear Prof. Oort:

I am writing for Dr. Herbert Friedman, Superintendent of the Space Science Division, to extend to you an invitation to visit us at the Naval Research Laboratory. We would like you to address a joint colloquium of the E. O. Hulburt Center for Space Research and the Cosmic Ray Group which is under the Chairmanship of Dr. Maurice Shapiro.

Our colloquia are usually held on Thursdays, preferably in the morning at 10:00 a.m. for a period of 45 minutes to an hour, followed by a short question period. In the afternoon and possibly the following day, the speaker visits with the scientists in the various research groups which might be of interest to him. We shall be able to pay an honorarium of \$100.

I would very much appreciate if you could advise me as to a suitable date anytime between September 1971 and May 1972, together with a topic which we could include in our preliminary announcements.

Yours sincerely,

K. Shivanandan

Kandiah Shivanandan
Code 7126.3

Telephone:
Area Code 202/767-2749

Do 23 8/71

Leiden, August 20, 1971.

Leiden, October 22, 1971.

Mr. K. Shivanandan,
Code 7126.3,
Naval Research Laboratory,
Washington, D.C. 20390.
U.S.A. University,
New York, N.Y. 10027.
U.S.A.

Dear Mr. Shivanandan,

Dear Mr. Shivanandan, Thank you for your letter of August 11th. In principle I would be pleased to give a colloquium at the Naval Research Laboratory. I intend to be in Washington on September 22nd, when I would give a colloquium at the Astronomy Program of the University of Maryland on: Some recent results on the radio structure of galaxies obtained with the Westerbork Radio Telescope. If you wish I could give a colloquium at your laboratory on the following day on the same general subject, or on the central region of our galaxy, about which, however, I am giving an introductory report at the Amherst meeting of the American Astronomical Society. Alternatively I could also report on recent results concerning high-velocity hydrogen, on which there will be a small conference in Green Bank in the beginning of September. Dr. Friedman could select the topic he prefers, but I would like to know beforehand what he has selected. You could reach me in Princeton c/p Dr. A.H. Oort, 20 Montgomery Avenue, Rocky Hill, N.J. 08553, where I shall be from September 2-5 and after September 9.

Yours sincerely,

Columbia University in the City of New York | New York, N.Y. 10027

Leiden, October 22, 1971.

DEPARTMENT OF ASTRONOMY

Mrs. S. Simkin,
Department of Astronomy,
Columbia University,
New York, N.Y. 10027.
U.S.A.

Columbia University in the City of New York

DEPARTMENT OF ASTRONOMY

New York, N.Y. 10027

Dear Mrs. Simkin,

October 12, 1971

Thank you very much for your letter of October 12 and the enclosed cheque. I also enjoyed my visit to Columbia and only regretted that it could not be longer. Thank you once more for the extremely nice dinner party which you and your husband arranged in your flat.

With kindest regards,

sincerely yours,

Dear Professor

Your cheque

finally made its way through the labyrinth of Columbia's accounting department.

Thank you again for talking to us and for being such a delightful guest.

Sven Lindén

related telephone could invite you to give Since Dr. Woltjer has that it will be ber and you will most before that time than possible for you to

an honorarium, and if the said reservations

but, high-resolution Wednesday afternoon. I sites of M51; they are but M51 and show you for the type of objects.

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really,

Sven Lindén

10/22/71

Columbia University in the City of New York | New York, N. Y. 10027

DEPARTMENT OF ASTRONOMY

October 27, 1971

Columbia University in the City of New York

DEPARTMENT OF ASTRONOMY

New York, N. Y. 10027

October 12, 1971

Dear Professor Oort,

Your check for the colloquium
finally made its way through
the labyrinth of Columbia's
accounting department.

Thank you again for talking
to us and for being such a
delightful guest.

Susan Simkin

related telephone
could invite you to gi
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M. Simkin

M. Simkin

Columbia University in the City of New York | New York, N.Y. 10027

DEPARTMENT OF ASTRONOMY

August 27, 1971

Dr. J.H. Oort
Department of Astrophysical Sciences
Princeton University
Princeton, N.J. 08540

Dear Professor Oort,

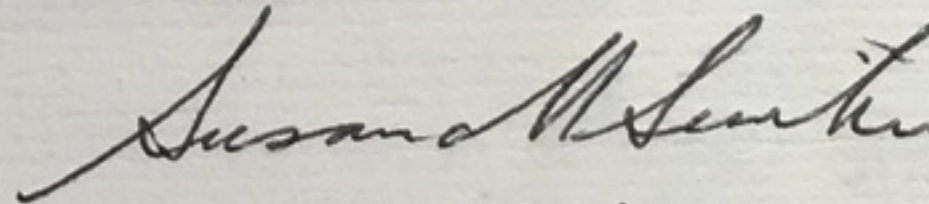
When I arrived at Columbia today, I received a belated telephone message from Professor Woltjer telling me that I should invite you to give a colloquium here while you are in the neighborhood. Since Dr. Woltjer is not planning to return until September 16, he hopes that it will be possible for you to visit sometime after that date. Columbia is not officially in session until the last week in September and you will most likely have a smaller audience if you chose to come before that time than you will if you come at a later date, so it is even possible for you to pick the size of the group to which you will lecture.

We will be able to pay you travel expenses and an honorarium, and if you would like to stay overnight in New York City I can make reservations for accommodations.

I, personally, am very anxious to hear more about ^{the} high-resolution surveys of spiral galaxies which you talked about Wednesday afternoon. I could spend several hours just staring at the isophotes of M51; they are that impressive. I am also very anxious to talk about NGC 3115 and show you some of the reduction techniques I have developed for the type of spectroscopy involved in measuring rotation for such objects.

I am very sorry I did not extend this invitation to you when I spoke to you on Wednesday but at the time I did not realize that it was my job to do so.

Respectfully,



Susan M. Simkin

Princeton University Observatory

PEYTON HALL

Leiden, February 1, 1971.

PRINCETON, NEW JERSEY 08540

June 11, 1971

Dr. H. Spinrad,
Berkeley Astronomy Department,
University of California,
Berkeley, Cal. 94704,
U.S.A.

Dr. Jan H. Gort
University of Leiden
Leiden, Netherlands

Dear Jan:

Dear Dr. Spinrad,

Doreen and I were very happy to receive your letter of June 2nd and to read that there is a chance of your being here in late summer. All of us in the office in Peyton Hall during your stay. Thank you for your letter of January 18 and the enclosed reprint. This number of the Ap J has not yet arrived in Leiden.

We shall certainly also observe Maffei 2. Is there any chance that it is in any way similar to Maffei 1? If so, this would seem to me still more exciting than Maffei 1 alone!

We have two programmes at Westerbork on elliptical galaxies; I therefore hope that in half a year we shall know more about the statistics of their radio emission.

My own plans in connection with these various symposia are still somewhat uncertain. The summer is the one time when I am free for relatively concentrated scientific research, and I am tempted to spend as much time as possible in Princeton. I am much attracted by the Amherst meeting and by the September 6 to 8 a small international "seminar" will be held at Green Bank on high-velocity hydrogen. It would be extremely valuable if we could interest somebody from the Lick Observatory in optical observations of these features (viz. interstellar absorption measurements). Would you yourself be interested, or, if not, could you suggest somebody at Lick who could reasonably be hoped to be willing to consider an observing programme? In that case we would wish to extend an invitation to attend this small (30-35 people) conference.

With best wishes,

Lyman Spitzer, Jr.

sincerely yours,

LS:vn

P.S. I should add that Martin Schwarzschild and Bob Danielson will probably not be here in September, since they expect to be away for a Stratoscope launch. It is possible, of course, that the launch may be postponed.

Princeton University Observatory

PEYTON HALL

PRINCETON, NEW JERSEY 08540

June 11, 1971

Dr. Jan H. Oort
University of Leiden
Leiden, Netherlands

Dear Jan:

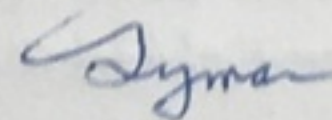
Doreen and I were very happy to receive your letter of June 2nd and to read that there is a chance of your being here in late summer. All of us in the Observatory would be honored and delighted to have you occupy an office in Peyton Hall during your stay.

As regards schedules, Doreen and I may be away in late August and early September but will definitely be here after September 8th, when Princeton schools begin; as you know, Pixie is in her last year in high school here. I believe that the Seminar on High-Velocity Hydrogen ends on this same date so we would definitely be here during your stay.

My own plans in connection with these various symposia are still somewhat uncertain. The summer is the one time when I am free for relatively concentrated scientific research, and I am tempted to spend as much time as possible in Princeton. I am much attracted by the Amherst meeting and by the Seminar on High-Velocity Hydrogen, but at the moment I do not know whether I shall go to either. I am sure it would be vastly more pleasant and probably more profitable scientifically to discuss these meetings with you than actually to attend them myself!

In any case, we shall look forward eagerly to seeing you for as much of September as you can spare here in Princeton.

Sincerely yours,



Lyman Spitzer, Jr.

LS:vn

P.S. I should add that Martin Schwarzschild and Bob Danielson will probably not be here in September, since they expect to be away for a Stratoscope launch. It is possible, of course, that the launch may be postponed.

Leiden, 3 May, 1971.

Leiden, June 2, 1971.

Dr. G.L. Verschuur,
National Radio Astronomy Observatory,
Edgemoor Road,

Dr. Lyman Spitzer, Jr., 32901.
Princeton University Observatory,
Princeton, N.J. 08540.
U.S.A.

Dear Dr. Verschuur,

I must apologise for the lateness of my reaction to your circular letter of March 18 to the members of the Organizing Committee for the Seminar on High-Velocity Hydrogen.

Dear Lyman,

As you may know I have agreed to prepare an "account" on the development of Galactic Structure and Dynamics in the general period between 1920 and 1940 at the Minnaert Memorial Conference, held in New York from August 30 to September 1. I am also planning to attend the A.A.S. meeting in Amherst, where Heeschen asked me for an introductory talk on the central region of the Galaxy; and to go in the beginning to the small conference on High-Velocity Hydrogen in Green Bank.

I hope very much that Mieke will find it possible to accompany me. Though our plans are still somewhat uncertain we would certainly very much like to spend some time in Princeton after these meetings. Mieke would like that of course in the first place to be with Bram and Bineke and the grandchildren as well as with Doreen and our other good friends in Princeton, while I would enjoy, in addition, the opportunity of the various possibilities for scientific discussions with staff members and students. I wonder whether you could have space in an office available, so that I could work perhaps a few weeks at the Observatory. I could bring some data on recent work with the Westerbork telescope which you may be interested in. It would be wonderful to be again in Princeton!

As I wrote our plans are not yet quite fixed; Woltjer had suggested that I come to Columbia, but I don't think we could manage to do both things.

There is no doubt, however, that we shall in any case have a good opportunity to see each other, if, at least, you will yourself be in Princeton in September.

With love from Mieke and me to both of you,

yours,

We were happy to learn about Lutie's marriage. We hope that you and Doreen are thoroughly happy with her new life.

ruys-Intranet

Telex: 31476

Leiden, 3 May, 1971.

Dr. G.L. Verschuur,
National Radio Astronomy Observatory,
Edgemont Road,
Charlottesville, Va. 22901.
U.S.A.

101 0701-0-8

Dear Dr. Verschuur,

Dear Dr. I must apologize for the lateness of my reaction to your circular letter of March 18 to the members of the Organizing Committee for the Seminar on High-Velocity Hydrogen.

I should like to make the following suggestions:

- The prospects for a successful conference seem to be good. The main thing I am still worrying about is the small interest so far shown by optical astronomers. In the beginning of March I had an opportunity to talk with Oke and Herbig about the problem. Both of them promised to put two stars on the programme for their observing run in April. We sent to each detailed data on two suitable candidates; I have not yet heard whether they have been able to get the spectra wanted. I would hope that if the results for the two stars look promising Herbig could still be persuaded to come to the Green Bank conference.

La conference

3. Programme I feel ^{some} reluctance to undertake the entire set of subjects you had allotted to me in your tentative programme. It would be more pleasant for the participants as well as for me personally if, in particular, the possible effects of interaction with the Magellanic Clouds, could be introduced by somebody else. I have not studied this problem and am very uncertain whether I shall find the time to do so before September. With best wishes, and intermediate-velocity, and other "possible relation between high-velocity features, ionization fields and magnetic fields"

sincerely yours,

4. Participants.

I am happy that you added Kahn to your list. I would suggest Sciama as a possible further participant. He and his pupils are working on the theoretical problem of interaction between an intergalactic wind and the galaxy. Further suggestions are: J. van der Kamp (Leiden) and Dr. R.G. Strom (temporarily at Leiden). Van der Kamp has done an extensive survey of Dwingeloo for both negative and positive high and intermediate-velocity gas. Strom seems to have found evidence of a connection between dopplerization of radio galaxies and high-velocity clouds. If this is real, it would be most interesting; however, I have not yet seen his results.

Should we add somebody from the Argentine Republic (Argentina or Australia)? I heard from Prof. v. d. Hagen that Varsavsky is at the moment not working in the astronomical field.

With best wishes,

J.H.O/do

Leiden, 25 november 1970.

Telex: 31476

Dr. G.L. Verschuur
National Radio Astronomy Observatory,
Edgemont Road,
Charlottesville, 22901.

De Hooggeleerde Heer
Prof. J.H. Oort
Dear Dr. Verschuur,

Thank you for your circular letters of 15th October and 16th November.
I should like to make the following comments:

1. Title. I see no great objection to a general title like High-Velocity Hydrogen.

2. Dates of the meeting.

L a conference
You mention/on Education and History of Modern Astronomy to be organized by the A.A.S. At an earlier occasion I had been informed of a symposium on the History of Astronomy to be organized by the New York Academy of Sciences around the same time. I wonder whether it has been combined with the A.A.S. In any case one should be careful to avoid overlap.

3. Programme.

Would it not be desirable to plan a separate discussion on observational evidence concerning the gaseous halo of the galaxy?

I note that you have listed a number of people for giving accounts of their own surveys. This is alright, but in addition an attempt should be made to discuss general relations. May be one should have an introduction on "connection between high- and intermediate-velocity gas" and also "possible relation between high-velocity features, emission filaments and magnetic fields".

4. Participants.

I am happy that you added Kahn to your list. I would suggest Sciama as a possible further participant. He and his pupils are working on the theoretical problem of interaction between an intergalactic wind and the galaxy.

Further suggestions are: J. van Kuilenburg (Leiden) and Dr. R.G. Strom (temporarily at Leiden). Van Kuilenburg has made an extensive survey at Dwingeloo for both negative and positive high- and intermediate-velocity gas. Strom seems to have found evidence of a connection between depolarization of radio galaxies and high-velocity clouds. If this is real, it would be most interesting; however, I have not yet seen his results.

Should we add somebody from the Southern Hemisphere? (Argentina or Australia? I heard from Prof. v.d.Hulst that Varsavsky is at the moment not working in the astronomical field).

With best wishes,

J.H.O/do



S-1968 (c)

ruys-intraned reisagenten

8.5.1968 (c)

De Hooggeleerde Heer
Prof. J.H. Oort
Pres. J.F. Kennedylaan 169
O e g s t g e e s t

Leiden
Nieuwe Rijn 7
Telefoon 01710 - 4 35 41
Telex 31564 inpas nl
Telegramadres intrapassage

uw ref.

onze ref.

Leiden, 03 Aug. '71

Zeer geachte Heer Oort

Betreft: Uw reis naar de U.S.A. dd. 22 Aug.

Met referte aan Uw bezoek te onzen kantore van verleden maand delen wij U mede, dat wij zojuist bericht hebben ontvangen, dat de verbindingen tussen New York respt. Washington en Princeton N.J. niet meer per vliegtuig worden onderhouden. Uw reis is momenteel als volgt gereserveerd:

22 Aug.	Amsterdam	vertr. vlucht KL121	09.15	
	London	aank.	10.10	
	London	vertr. " TW753	11.30	
	Hartdord	aank.	16.06	
27 "	Hartford	vertr. " AA121	18.30	
	New York (JFK)	aank.	19.24	
	New York			geen verbinding
	Princeton			geen verbinding
05 Sep	Princeton			
	Washington			
	Washington (DCA)	vertr. " PI935	13.40	
	Charlottesville	aank.	14.17	
09 "	Charlottesville	vertr. " PI934	16.05	
	Washington (DCA)	aank.	16.40	
	Washington (DCA)			geen verbinding
	Princeton			
04 Oct.	Princeton			geen verbinding
	New York (JFK)			
	New York (JFK)	vertr. " KL644	22.-	
05 "	Amsterdam	aank.	09.55	

Wij zullen gaarne van U vernemen, of U de reserveringen zo wilt handhaven, of dat het voor U gemakkelijker is om vanuit New York naar Charlottesville te reizen en vandaar weer terug naar New York. Princeton ligt nl. dicht bij New York dan bij Washington



N.V. Internationale Transportagenturen "Nederland"
Op alle verbintenissen met onze cliënten zijn van toepassing de Algemene Voorwaarden van de Algemene Nederlandse Vereniging van Reisbureaus, gedeponeerd ter Griffie der Arrondissements-Rechtbank te Amsterdam, op 13 oktober 1966 onder nr. 146.



Intraned

De Hooggeleerde Heer
Prof. J.H. Oort
O e g s t g e e s t

03 Aug.'71

8.5.1968 (c)

Er is een dagelijkse dienst van New York naar Charlottesville vertrekkende om 10.50 van Newark Airport. Aankomst Charlottesville om 11.49, vlucht PI73. U kunt ook van La Guardia Airport vertrekken met vlucht AA402 om 11.30 naar Washington, aankomst om 12.28 en vandaar doorreizen met de reeds gemaakte reservering.

Van Charlottesville op 09 Sep. kunt U rechtstreeks vliegen naar New York-La Guardia Airport met vlucht PI74, vertrek om 16.23 aankomst om 17.20

Voorts hebben wij het genoegen U te berichtendat wij een bedrag groot us\$.522.- via de T.W.A. vabuit Amerika hebben ontvangen, ter verrekening met Uw reiskosten.

Uw berichten aangaande de door U geweste reisroute naar Charlottesville met belangstelling tegemoet ziende tekenen wij

hoogachtend
RUYS-INTRANED

H.Th.E. Reisen

64100, June 10, 1972

8.5.1968

330 (d)

Leiden, June 16, 1972.

Prof. Dr. S.G. Stenholm,
Prof. E.B. Holmberg,
Astronomical Observatory,
Box 515, Uppsala - K,
S-751 20 Uppsala,
Sweden.

Dear Dr. Holmberg,

Dear Dr. Holmberg,

Upon our return home I should like to thank you and Mrs. Holmberg very much for your great hospitality in Uppsala. My wife and I are keeping the very best memories of our stay in Uppsala, and only wish it could have been longer.

It was also very pleasant to meet some of the younger astronomers at your Observatory. They are a fine lot.

On Thursday morning you showed me some profiles through spiral arms in different colours. There was no time then to go into the details of this investigation, which interested me very particularly in connection with our speculations on the origin of spiral arms. I wonder whether you could give me some details on this work, or just a copy of your profiles with a legend? Have you done similar work on other spirals?

The meeting between myself and you, van der Laan and Giers, which you had arranged in Copenhagen was, I think, an essential part of the preparation for this co-operation.

It was extremely kind of you to come to me in Copenhagen. I was only sorry that the fact that our plane was delayed left us so little time for a more quiet conversation.

I had promised to give or send you a copy of Vincent Icke's thesis, but it was not ready at the time I left Leiden. I am now sending you a copy under separate cover.

With very best wishes,

Yours ever,

Leiden, June 14, 1972.

Prof. Dr. B.G. Stömgren,
Observatoriet,
Østervoldgade 3,
Copenhagen - K.
Denmark.

Dear Per Olof,

Dear Bengt,

Our plane from Göteborg was half an hour late in Copenhagen, so there was not time to telephone to you and tell you about the conversation I had with Per Olof and, in particular, with Rydbeck. Rydbeck as well as the members of his apparently very capable group gave me quite a warm welcome. From this as well as from further conversation with him I got the impression that he is now in full agreement with the project of a co-operation with Holland. He was completely prepared to let Mr. Kollberg make a maser for us, which he thought could be financed from the 100000 Kr. which according to Per Olof's proposal would be set aside for the collaboration with Holland. And Mr. Kollberg seemed very willing to come to Holland in August or September to discuss the practical possibilities for adaption to the Dwingeloo and Westerbork telescopes. So, I think, everything is for the present well on its way. I very much hope the co-operation will become a success.

The meeting between Rydbeck and van de Hulst, van der Laan and Casse which you had organized in Copenhagen was, I think, an essential part of the preparation for this co-operation.

It was extremely kind of you to come to meet us on that rainy morning in Copenhagen. I was only sorry that the fact that our plane was delayed left us so little time for a more quiet conversation.

I had promised to give or send you a copy of Vincent Icke's thesis, but it was not ready at the time I left Leiden. I am now sending you a copy under separate cover.

With very best wishes,

yours ever,

Monday evening June 12, 1972.

Dr. P.O. Lindblad,
Stockholms Observatorium,
Saltsjöbaden.
Sweden.

Dear Per Olof,

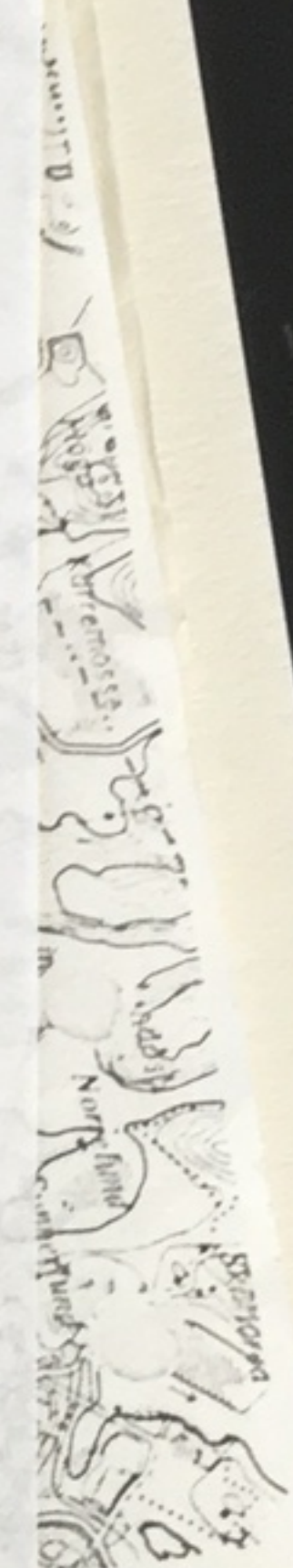
On board of the KLM plane from Copenhagen to Amsterdam I want to write a few lines to say once more how happy my wife and I have been in Saltsjöbaden. This was in such a large measure due to the manner in which you arranged everything for this trip, to the opportunity we got to live in the Observatory and by far the most to the warm and constant hospitality we got in your house.

I wish to report briefly on how I found things in Göteborg. The whole group gave me a very nice reception. On Sunday evening we had dinner in Rydbeck's house, together with Kollberg and the Hanssons. Rydbeck was most cordial. Today he took great pains in showing me the Råö Observatorium and he and his students (who had come to Råö especially for this purpose) gave a full account of the quite important work they have been doing. They are a very fine group!

Rydbeck was completely prepared to let Mr. Kollberg make a maser for us, which he thought could be financed from the 100000 Kr which according to your proposal would be set aside for the collaboration with Holland. And Mr. Kollberg seemed very willing to come to Holland in August or September to discuss the practical possibilities for adaption to the Dwingeloo and Westerbork telescopes. So, I think, everything is for the present well on its way. I very much hope that the co-operation will become a success. Rydbeck stressed the necessity of our acquiring the services of a first-rate low-temperature specialist. I hope this will be possible by the time the maser would come into operation.

With our very best wishes for you and your whole family,

Yours ever,



Föreslagna naturreservat
Naturreservat

SEMINARIUM

Professor J.H. Oort, Leiden, kommer att vistas i Saltsjöbaden och Uppsala 2 veckor under tiden 28 maj - 11 juni. Han kommer att hålla två seminarier i Saltsjöbaden och två i Uppsala över följande ämnen och vid angivna tidpunkter (precis).

Saltsjöbaden	29/5	14.00:	High-resolution observations of bright galaxies at 1415 MHz.
Uppsala	31/5	14.15:	High-velocity hydrogen and inflow of intergalactic gas.
Uppsala	1/6	10.15:	Activity in galactic nuclei and the possible origin of spiral structure.
Saltsjöbaden	8/6	10.15:	Galaxy clusters and radio sources with long curved components.

P.O. Lindblad

E. Holmberg

Leiden, May 23, 1972.

Leiden, May 19, 1972.

Dr. P.O. Lindblad,
Stockholms Observatorium,
Saltsjöbaden.
Sweden.

Dr. P.O. Lindblad,
Stockholms Observatorium,
Saltsjöbaden.
Sweden.

Dear Per Olof,

I have just received your letter of May 16 with the schedule for my lectures, which is entirely satisfactory.

Prof. Strömgren just telephoned that Mrs. Strömgren has gone to the United States to assist Nina who has just got a baby. Under these circumstances we decided not to return to Copenhagen from Lund, but to go directly to Stockholm on Saturday morning at 12.07 hrs, arriving in Stockholm at 18.53 hrs. I hope this change will not be too inconvenient for you.

With best greetings, 1972, kl. 14.15 med föreläsning av

Professor J.H. Oort, Leiden, Nederländerna, sincerely yours,

On the Problem of the Origin of Spiral Structure.

Tord Elvius

Leiden, May 17, 1972.

Leiden, May 19, 1972.

Dr. O. Rydbeck,
Onsala Space Observatory,
Dr. P.O. Lindbæad,
Stockholms Observatorium,
Saltsjöbaden.
Sweden.

A s t r o n o m i s k a S e m i n a r i e t i L u n d

sammanträder på Institutionens för astronomi föreläsningssal
fredagen den 26 maj 1972, kl. 14.15 med föreläsning av

Professor J.H. Oort, Leiden, Nederländerna:

On the Problem of the Origin of Spiral Structure.

Tord Elvius

Leiden, May 19, 1972.

Dr. O. Rydbeck,
Onsala Space Observatory,
S-402 00 Onsala,
Sweden.

Dr. P.O. Lindbøad,
Stockholms Observatorium,
Saltsjöbaden.
Sweden.

Dear Per Olof,

Dear Per Olof, very much for your letter of May 10 and for your invitation
house for dinner on Sunday evening June 11th, which we
Just a line to confirm that we expect to arrive in Stockholm
on Sunday evening, May 28th, by train at 22.20 hrs. if you could make
for us for that evening.

Thank you very much for the cheque for travelling expenses which I received in good order, but which I had not expected.

We are very much looking forward to our stay in Sweden. The more inter-

are both looking forward to seeing Onsala. With
 love to Mrs. Rydbeck, Sincerely yours,

Sincerely yours,

sincerely yours,

Dr. O. Rydbeck,
Onsala Space Observatory,
S-430 34 ONSALA.
Sweden.

Dear Dr. Rydbeck,

As a subject for my talk I suggest: Observations of Galaxies with the Synthesis Radio Telescope at Westerbork. The title is somewhat vague, but would leave freedom for making more specific choice of the more interesting topics during the lecture.

My wife and I are both looking forward to seeing Onsala. With kind greetings, also to Mrs. Rydbeck,

Wednesday June 7 there is a meeting with the Academy of Sciences with
supper that you may wish to attend.

No. 109, 1st St. N. W., Wash. D. C.

My dear Mr. [unclear]:

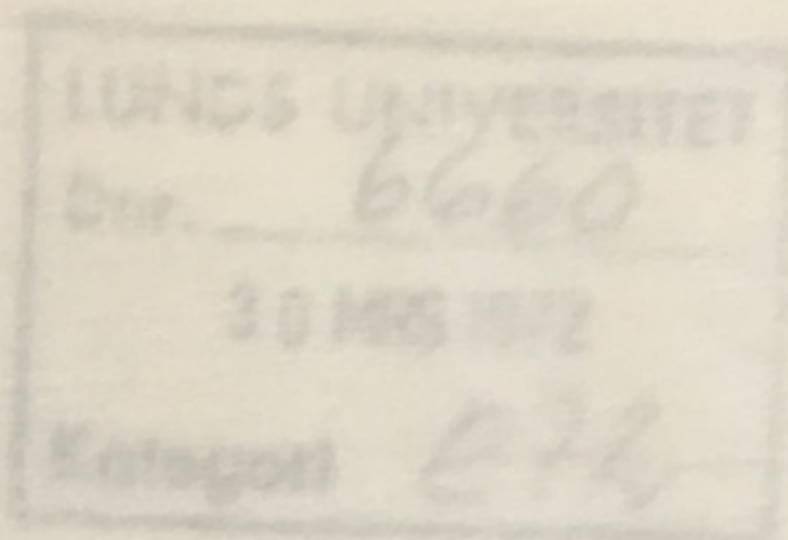
I have your letter of the 10th inst. and am glad to hear from you. I am well and hope this finds you the same. I am still in the hospital, but I am getting better all the time. I will write again soon.

Sincerely,
[Signature]

P.S. I have your letter of the 10th inst. and am glad to hear from you. I am well and hope this finds you the same. I am still in the hospital, but I am getting better all the time. I will write again soon.

STOCKHOLMS OBSERVATORIUM
S-133 00 SALTSJÖBADEN

May 16, 1972.



Professor J.H. Oort
Sterrewacht
Leiden.

Dear Professor Oort,

Enclosed you will find our suggestion for the schedule of your lectures. Holmberg is arranging a room for the two of you in Uppsala for the night May 31 - June 1.

My suggestion is that you leave by plane for Gotland on Friday June 2 and return Tuesday June 6. ^{x)} You should definitely live in my mothers house there, but you might prefer to have your dinners in a neighbouring boarding house.

Wednesday June 7 there is a meeting with the Academy of Sciences with supper that you may wish to attend.

By now you should have received a check at an amount corresponding to 1.683 sw. crowns to cover your traveling expenses.

With my very best wishes,

Sincerely yours

P. Olf
Per Olof Lindblad

x) We can decide on details after your arrival.

PROFESSOR O. E. H. RYDBECK

ONSALA SPACE OBSERVATORY

Operated by
Research Laboratory of Electronics
Chalmers University of Technology

Professor J. H. Oort,
Sterrewacht

Leiden 20401

Onsala, 1972-05-10

Dear Professor Oort,

Thank you very much for your letter which I was pleased to receive. You are most welcome to visit us. We are also glad to hear that you would care to give a talk in Gothenburg.

Since I suppose that you would like to visit the Observatory, which is located about one hour's drive south of Gothenburg, I believe it would be practical and time-saving if you arrived in Gothenburg on Sunday evening. * I can pick you up at the airport, or the railroad station and drive you to a suitable hotel, or the guest-room of the Institute, which is available at the time in question.

The University would, of course, be honoured to pay you a honorarium for your talk (I believe it is approximately 348.-Sw. Cr.), which would take care of some of your expenses while in Gothenburg.

May I suggest the following schedule for your visit to Gothenburg:

Leave Gothenburg at 09.00 for the Observatory -

Arrival there about 10.00.

Lunch will be served at the Observatory at 12.00.

Return to Gothenburg 13.00.

Your talk at the Institute in Gothenburg will then be given at 14.15.

After the talk a visit to the Institute, specially the low noise electronics division, since your time is limited.

Departure for the airport at about 17.40.

If Mrs. Oort would like to do some sightseeing in Gothenburg, my wife would be glad to show her around.

Postal address
S-430 34 ONSALA
SWEDEN

Telephone
0300-606 50 (office)
610 00 (telescope)

Telegram
chalwave

TWX
2400
onspace

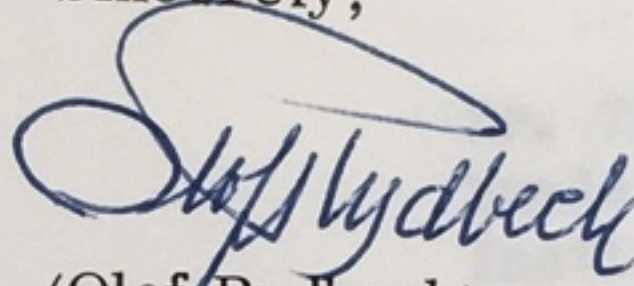
Professor J. H. Oort

Onsala, 1972-05-10

Since we would like to announce the title of your talk, please let me know the same.

We are all looking forward to your visit and your talk in Gothenburg.

Sincerely,


(Olof Rydbeck)

*

According to the SAS time table you would have to leave Arlanda airport (Stockholm) at 07.05, or 07.15 in order to be here in the morning, since the next plane leaves at 10.00 arriving at Gothenburg at 10.55, which would be too late. It is about 30 - 40 minutes' drive from the airport to the Institute. There is a suitable Sunday evening plane, however. It leaves Arlanda airport at 19.00 arriving in Gothenburg at 20.00.

In case you would care to come earlier on Sunday, you would be most welcome to come to our house for dinner. We live on the sea-front near the Observatory. In such a case you could stay at the nearby good hotel, Hotel Halland, from which we would have a short and comfortable trip to the Observatory Monday morning.

Leiden, May 5, 1972.

Leiden, May 8, 1972.

Dr. T. Elvius,
Lunds Universitet,
Institutionen för Astronomi,
S-222 24 LUND
Sweden.

Dear Per Olof,

Thank you very much for your letter of April 24th and the information contained in it. We are provisionally planning to make the journey from Copenhagen to Stockholm by train on Sunday afternoon, May 28th, arriving in Stockholm at 22.30 hrs.

Dear Dr. Elvius,

I have not yet thanked you for your letter of March 30th. I am looking forward to my visit to Lund and would propose to give a lecture "On The Problem of the Origin of Spiral Structure" on Friday, May 26th at 14.15 hrs. I am planning to arrive by plane in Malmö at 11.45 hrs.

I thank you very much for your invitation to spend Friday night in your house, which I accept with great pleasure. On Saturday morning I should go back to Copenhagen for a visit with the Strömögens, where my wife will be staying over the week-end.

With kindest greetings,

sincerely yours,

Leiden, May 5, 1972.

Dr. P.O. Lindblad,
Stockholms Observatorium,
Saltsjöbaden.
Sweden.

Dear Per Olof,

Thank you very much for your letter of April 24th and the information contained in it. We are provisionally planning to make the journey from Copenhagen to Stockholm by train on Sunday afternoon, May 28th, arriving in Stockholm at 22.20 hrs.

As concerns the lectures I quite agree to the schedule you propose and also to the dates for the Uppsala lectures. Please arrange the exact schedule according to your and Holmberg's own wishes. I am also writing to Rydbeck about a visit to Gothenburg and a possible colloquium I might give there on June 12th.

We would like to have a long week-end available for a possible trip to Gotland, and my wife has just written to your mother about this. Would it be alright to wait with further arrangements for this trip until after our arrival?

Looking forward to seeing you and your family soon, and with best greetings,

sincerely yours,

Sincerely yours,

Per Olof Lindblad

STOCKHOLM OBSERVATORIUM
S-133 00 SALTSJÖBADEN

Professor J.H. Oort
Sterrewacht
Leiden.

April 24, 1972.

Leiden, May 5, 1972.

Professor O.E.H. Rydbeck,
Chalmers Institute of Technology,
S-402 20 Gothenburg,
Sweden.

Onsala

Dear Professor Oort,

Many thanks for your letter of March 27. We will expect you to arrive by
Dear Dr. Rydbeck, to leave Stockholm on May 26. You want
to leave Stockholm to Stockholm on May 26. By air you can get there quickly. The boat schedule
I My wife and I shall be coming to Sweden between May 26 and June 12,
during which time I shall give some colloquia, mostly in Saltsjöbaden
and Uppsala. follows:

If this would be convenient to you I would also like to visit your
institute, as I have never been there before. A possible day for this
would be Monday, June 12th on our way back from Stockholm to Holland.
If you wish I could also give a talk on some of the recent radio results
of Westerborg.

As I have to be in Leiden for a Ph.D of one of our astronomers
We would have to leave Gothenburg by plane at 18.40 on Monday evening.

Looking forward to this possible opportunity of seeing some of your
work at Gothenburg,

Yours sincerely,

of March 15 in Uppsala. If it is agreeable to you we would then like to have
numbers 1 and 4 in Saltsjöbaden. If you prefer not to give four different
lectures, you may choose to repeat one of the Uppsala lectures here instead.
A "lecture" may well last up to 1 hour. We hope to hear as much as possible
about all the remaining interesting subjects in private conversation.

It seems that Uppsala would prefer to have you staying there for two days in
the period May 30-June 1.

We are all looking forward to your visit here.

With my very best greetings,

Sincerely yours,

Per Olof Lindblad

[Signature]
/M. Kisel
secretary

STOCKHOLMS OBSERVATORIUM

S-133 00 SALTSJÖBADEN

April 24, 1972.

Professor J.H. Oort
Sterrewacht
Leiden.

Dear Professor Oort,

Many thanks for your letter of March 27. We will expect you to arrive by train from Copenhagen to Stockholm on May 28th, and we suppose that you want to leave Stockholm for Gothenburgh by train or plane on Sunday, June 11th. I suppose that the best way to squeeze in a trip to Gotland would be over the week-end around June 3-4. By air you can get there quickly. The boat schedule runs as follows:

from Nynäshamn	24:00	to Visby	5:30	daily ex Saturdays
" "	13:30	" "	18:30	Saturdays
from Visby	17:30	to Nynäshamn	22:30	daily ex Saturdays
" "	8:00	" "	13:00	Saturdays

There is no local transportation on Gotland so early in the season (except by school-bus), so a taxi or a rented car is the best way to get around.

From Holmberg I hear that he wanted to have lectures 2 and 5 of your letter of March 15 in Uppsala. If it is agreeable to you we would then like to have numbers 1 and 4 in Saltsjöbaden. If you prefer not to give four different lectures, you may choose to repeat one of the Uppsala lectures here instead. A "lecture" may well last up to 1 hour. We hope to hear as much as possible about all the remaining interesting subjects in private conversation.

It seems that Uppsala would prefer to have you staying there for two days in the period May 30-June 1.

We are all looking forward to your visit here.

With my very best greetings,

Sincerely yours,

Per Olof Lindblad

M. Küsel
/M. Küsel
secretary

LUNDS UNIVERSITET
INSTITUTIONEN FÖR ASTRONOMI
S-222 24 LUND
Sweden

1224/80

Lund, 1972-03-30

Professor J.H. Oort
Sterrewacht te Leiden
L e i d e n
Nederländerna

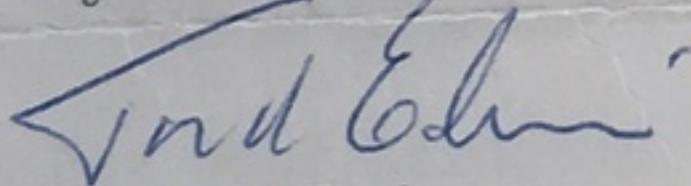
Dear Professor Oort;

Thank you so much for your promise to come to give a lecture at the Observatory in Lund on Friday May 26. We have just asked the University to reserve a couple of "professor lectures salary" for this occasion (abt. 600 sw Cr together).

Please send me a fortnight before, the title of your lecture. Our usual time for such lectures is at 14.15, but it can be changed if your flight-schedule makes this necessary.

I often arrange so that visitors like you live over-night in my flat as my guests; there is ample place as a room is reserved for guests, usually from my family. Aina is in America until June, and no other family member is expected here at that time. If you prefer to live in a hotel, I will arrange it, but hope you will stay with me.

With best greetings
yours sincerely


Tord Elvius

STOCKHOLMS OBSERVATORIUM
S-13300 SALTJÖBADEN

March 23, 1972
Leiden, March 27, 1972.

Dr. P.O. Lindblad,
Stockholms Observatorium,
Saltjöbaden.
Sweden.

Professor J H Oort
Sterrewacht
Leiden
Holland.

Dear Per Olof,

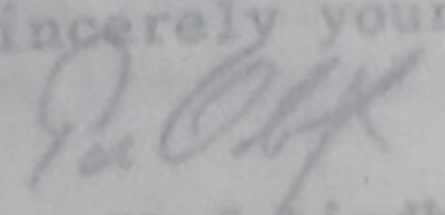
I have just received your letter of March 23. I was sorry that you could not come to Hamburg. I hope that you are quite well again.

I discussed possible lectures with Holmberg and Elvius. As regards Lund and Copenhagen I have provisionally arranged that I could give a lecture in Lund on May 26th and then spend Saturday, May 27, in Copenhagen and travel by train to Stockholm on the 28th. Bengt Strömberg encouraged me to visit Rydbeck's institute. I could perhaps best do this on Monday, the 12th and then return to Leiden in the evening. In that case it would only remain to arrange the lectures in Uppsala and Stockholm. Holmberg said that the students would find it difficult to travel to Saltjöbaden from Uppsala. Therefore I could well duplicate one or two of the lectures. In this case I would have no objection to giving one or two more lectures if such would seem desirable to you. Also there is a dinner at the Academy of Science on June 7 that I would like you to attend as we are very much looking forward to our visit and also to the possibility of visiting Gottland. giving you a too hectic schedule remains to be seen.

With best greetings to you and your family,

With my very best regards,

Sincerely yours,


Per Olof Lindblad

STOCKHOLMS OBSERVATORIUM

S-133 00 SALTSJÖBADEN

Leiden, March 23, 1972.

March 23, 1972.

Dr. F. O. Lindblad,
Stockholm Observatory,
Saltsjöbaden.

Professor J H Oort
Sterrewacht
Leiden
Holland.

Dear Professor Oort,

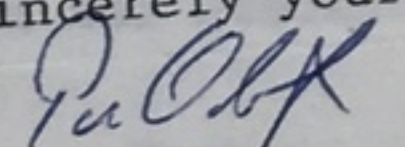
Many thanks for your letter of March 15. I am very happy that you and Mrs Oort find it possible to pay us a visit at the end of May and beginning of June. My mother is very excited at the prospect of showing you her house on Gotland.

The titles of your lectures are very exciting and I will discuss with Erik Holmberg the appropriate planning for a series of 3 or 4 lectures. Then I will write again to you about the detailed planning of your travel.

My sister and her family plan to arrive from the US on June 11, so I guess my mother wants to be back from Gotland by that date. Also there is a dinner at the Academy of Science on June 7 that I would like you to attend as a member of the Academy. How all this can be combined with your plan for Copenhagen, Lund and Göteborg without giving you a too hectic schedule remains to be seen.

With my very best regards,

Sincerely yours,


Per Olof Lindblad

Leiden, March 15, 1972.

Dr. P.O. Lindblad,
Stockholms Observatorium,
Salsjöbaden.
Sweden.

There are two other subjects that would be a special interest in these, viz. "Dynamics of the E7-80 galaxy NGC 3115" and "Structure and dynamics of the Hyades". On the latter subjects Mr Pels and I have just completed the discussion of the survey for fainter members that was made many

Dear Per Olof, Mr Pels.

Thank you very much for your letter. The latter part of May and the beginning of June would fit our plans very well. My wife would come also, and we would very much like to accept your offer to stay in the Observatory apartment in Salsjöbaden. We would be looking forward to seeing your mother, and, perhaps, even to visiting her house on Gottland, which we have been hoping to visit already for several years. I wonder whether an excursion for a few days would be at all possible.

We would plan to leave Leiden on May 26, and would in principle like to spend about two or two and a half weeks in Scandinavia. Unfortunately I have to be in Leiden for the "promotie" of Icke on June 13 and therefore would have to leave Scandinavia in the evening of June 12. And on the beginning side we are restricted by a family festival on May 24. I should like to use the opportunity to pay a visit for one day to Copenhagen, Lund and Göteborg either at the beginning or on the way back, but I do not yet see how I could combine all three.

As regards lectures I would propose a choice between the following subjects:

1. High-resolution observations of bright galaxies at 1415 MHz.
2. Activity in galactic nuclei and the possible origin of spiral structure.
3. The central region of the Galactic System.
4. Galaxy clusters and radio sources with long curved components.
5. High-velocity hydrogen and inflow of intergalactic gas.

No. 3 is a large subject. If the "lectures" you refer to are about 45 minutes, like ordinary academic lectures here, it might be well to spread this over two lectures. I would prefer not to give more than 3 or 4 different lectures in the Stockholm-Uppsala region.

Perhaps you could some time let me know what subjects you and the Uppsala astronomers would prefer, and on what days you would wish to arrange them.

Lund: The Problem of Spiral Structure

February 24, 1972.

There are two other subjects that I can suggest in case there would be a special interest in these, viz. "Dynamics of the E7-So galaxy NGC 3115" and "Structure and dynamics of the Hyades". On the latter subjects Mrs Pels and I have just completed the discussion of the survey for fainter members that was made many years ago by Mr Pels.

Looking forward to seeing you in Sweden, and prior to that in Hamburg,

yours most sincerely,

Dear Professor Oort,

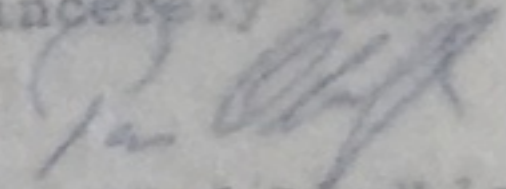
Many thanks for your letter of February 16. After a discussion with Holmberg and Elvius we have agreed that the later half of May up to the first week of June would be the best period for your visit here. The climate also ought to be agreeable by that time.

We would like you to stay here as long as you possibly can, and I would be happy for an indication from you whether the above period is suitable and roughly how much time you can spare for us. We would like you to give some lectures to be divided between Saltsjöbaden and Uppsala. The actual number and the subjects are your choice, but people will easily commute between Saltsjöbaden and Uppsala, so that the audience in the two places will to a large extent be the same.

We take it for granted that Mrs Oort will be with you. While in Saltsjöbaden we suggest that you stay in the observatory guest flat. We are all very much looking forward to your visit here.

With my very best greetings,

Sincerely yours


Per Olof Lindblad

cc. prof. Holmberg
prof. Elvius

STOCKHOLMS OBSERVATORIUM
S - 133 00 SALTSJÖBADEN

February 24, 1972.

Leiden, February 18, 1972.

Dr. P.O. Lindblad,

Stockholm Observatory,

Saltsjöbaden.

Sweden.

Professor J H Oort
Sterrewacht
LEIDEN.

Dear Per Olof,

Dear Professor Oort,

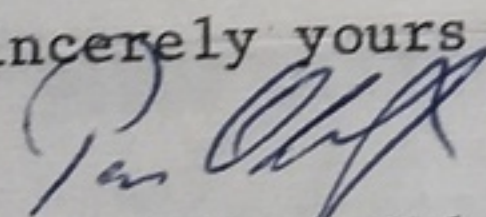
Many thanks for your letter of February 16. After a discussion with Holmberg and Elvius we have agreed that the later half of May up to the first week of June would be the best period for your visit here. The climate also ought to be agreeable by that time.

We would like you to stay here as long as you possibly can, and I would be happy for an indication from you whether the above period is suitable and roughly how much time you can spare for us. We would like you to give some lectures to be divided between Saltsjöbaden and Uppsala. The actual number and the subjects are your choice, but people will easily commute between Saltsjöbaden and Uppsala, so that the audience in the two places will to a large extent be the same.

We take it for granted that Mrs Oort will be with you. While in Saltsjöbaden we suggest that you stay in the observatory guest flat. We are all very much looking forward to your visit here.

With my very best greetings,

Sincerely yours


Per Olof Lindblad

cc. prof. Holmberg
prof. Elvius

LUNDS UNIVERSITET
INSTITUTIONEN FÖR ASTRONOMI
S-222 24 LUND
Sweden

1972, Febr. 3
Leiden, February 16, 1972.

Dr. P.O. Lindblad,
Stockholms Observatorium,
Saltsjöbaden.
Sweden.

Professor P. O. Lindblad
Stjärnvetenskap
Leiden
Nederländerna

Dear Per Olof,

I have just received a letter from Dr. Elvius who asks whether I could give one or two lectures in Lund if I would be visiting Sweden in the Spring. I wonder whether you have meanwhile made any more definite plans for such a visit. I shall be in Italy during the first half of April, but otherwise I have no definite obligations, except that I have to give a lecture here on May 13.

With best greetings,

sincerely yours,

It would be very nice to know if it would be possible for you to visit Lund, when leaving from or to the Stockholm area. We would certainly very much to have one or two lectures by you, and I am sure that also the people at the Physics Institute have no objection to attend them.

Can you already tell us the approximate time of your visit to Sweden?

With best greetings

Yours sincerely
Per Olof Lindblad

LUNDS UNIVERSITET
INSTITUTIONEN FÖR ASTRONOMI
S-222 24 LUND
Sweden

1972, Febr. 3

Professor J. H. Oort
Sterrewacht
L e i d e n
Nederländerna

Dear Professor Oort,

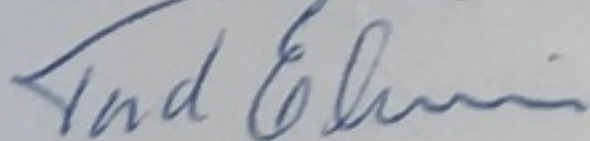
Erik Holmberg and Per Olof Lindblad have informed me that they have invited you to come to Uppsala and Saltsjöbaden during the spring.

In Lund we are, of course, much interested to know if it would be possible for you to stay over here, when moving from or to the Stockholm area. We would estimate very much to have one or two lectures by you, and I am sure that also the people at the Physics Institute here are eager to attend them.

Can you already tell me the approximate time of your visit to Sweden?

With best greetings

yours sincerely


Tord Elvius

VETENSKAPS-SOCIETETEN
Royal Society of Sciences
Skt Långsgatan 1
S-752 29 UPPSALA, SWEDEN

Nieuw
Prof. A. Wallenquist
Norrländsg. 34D
S-752 29 Uppsala
17 December 1971

Leiden, 23 december 1971.

Prof. Dr. J. Oort
President Kennedylaan 169
Oegstgeest, Holland

Prof. Dr. A. Wallenquist,
Norrländsgatan 34D,
S-752 29 UPPSALA,
Zweden.

Zeer geachte Professor Oort,

Het was zeer verheugend te vernemen dat U het volgend
jaar van plan bent om naar Zweden te komen en o.a.
een lezing in Uppsala denkt te houden. - Ik weet ver-
der niets van Uw plannen af en weet dus niet wanneer
U komt, maar veronderstel dat U in de lente wilt ko-

Zeer Geachte Dr. Wallenquist,

Vriendelijk dank voor Uw brief van 17 december.

Mijn plannen voor de reis naar Zweden zijn op het ogenblik nog
vaag, waarschijnlijk zal dit echter in het voorjaar gebeuren. Ik vind
het een beetje moeilijk om mij in dit stadium te binden aan een
voordracht voor Uw Societeit, maar wil daar graag op terugkomen
tegen de tijd dat mijn reisplannen iets verder gevorderd zijn.

Met zeer vriendelijke groeten, ook aan Uw vrouw en goede wensen
voor de Kersttijd en het nieuwe jaar.

Februari, 3 Maart, 7 April en 12 Mei. - Natuurlijk
kunnen wij indien U in begin Juni komt een extra
vergadering hebben bv op de 2 of 9 Juni. Maar misschien
gaat het helemaal niet in U reisplannen. Wanneer
zij definitief uitgewerkt zijn hoor ik zeker wel
iets van U?

Met hartelijke groeten aan U en Mevrouw en de beste
wensen voor een prettig Kerstma en een voorspoedig
Nieuw Jaar ook namens mijn vrouw,
verblijf ik gaarne,

Uw

Maat Wallenquist

P.S. U moet U wel
niet "verplicht" stellen om ook
een lezing op de Societeit te
houden, en U mag Uw reis-
plannen ook heel rustig wijzigen!

KUNGL. VETENSKAPS-SOCIETETEN

Royal Society of Sciences

S:t Larsgatan 1

S-752 20 UPPSALA, SWEDEN

Prof. Å. Wallenquist
Norrländsg. 34D
S-752 29 Uppsala
17 December 1971

Prof. Dr. J. Oort
President Kennedylaan 169
Oegstgeest, Holland

Zeer geachte Professor Oort:-

Het was zeer verheugend te vernemen dat U het volgend jaar van plan bent om naar Zweden te komen en o.a. een lezing in Uppsala denkt te houden.- Ik weet verder niets van Uw plannen af en weet dus niet wanneer U komt, maar veronderstel dat U in de lente wilt komen.

Indien het mogelijk voor U is om ook een lezing te houden op de Koninklijke Societeit van Wetenschappen in Uppsala, waarvan U een buitenlands lid bent, zouden wij dit zeer op prijs stellen. Onze preliminaire datas voor de vergaderingen van de Societeit gedurende de lente zijn: Vrijdag (altijd op Vrijdagen!) 4 Februari, 3 Maart, 7 April en 12 Mei. - Natuurlijk kunnen wij indien U in begin Juni komt een extra vergadering hebben bv op de 2 of 9 Juni. Maar misschien gaat het helemaal niet in U reisplannen. Wanneer zij definitief uitgevormd zijn hoor ik zeker wel iets van U?

Met hartelijke groeten aan U en Mevrouw en de beste wensen voor een prettig Kerstmis en een voorspoedig Nieuw Jaar ook namens mijn vrouw,

verblijf ik gaarne,

Uw

Å. Wallenquist

P.S. U moet U echter niet "verplicht" voelen om ook een lezing op de Societeit te houden, en U mag Uw reisplannen volstrekt niet wijzigen!
Ht

85.1968 (a)



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330(e)

NORDITA

NORDISK INSTITUT FOR TEORETISK ATOMFYSIK

Danmark · Finland · Island · Norge · Sverige

BLEGDAMSVEJ 17
DK-2100 KØBENHAVN Ø DANMARK
TELEGRAM: NORDITA KØBENHAVN
TELEFON: (01) TRIA 1618

April 18, 1973

Leiden, April 27, 1973.

Prof. Dr. B. Strömgren,
Nordita,
Blegdamsvej 17,
Copenhagen.
Denmark.

Dear Jan,

Dear Bengt,

Thank you very much for your letter. We are quite touched by the extreme kindness with which Sigrid and you want to make our stay in Copenhagen as pleasant as possible. We shall be very happy to accept your and Sigrid's invitation to stay in your house, although we are worrying about the inconvenience we must be causing you.

We expect to arrive in Copenhagen on Friday morning, May 4, at 10.15 hrs. by flight KL 171.

It will be quite convenient for me to give a talk on Thursday, May 10, as you suggested. As a title I would suggest: High-Velocity Gas Within and Around the Galaxy.

be changed if you wish.

Yours ever,

Sigrid and I should like to meet you and Niels at Kastrup airport. It would be most convenient if you were to arrive at Kastrup in the morning of May 4 rather than in the afternoon, for I would like to go to Brorfeldt for a colloquium in the afternoon.

We have looked for an apartment for you but have found that it is not easy to rent a nice one for such a short time. So, if

*If you arrive in the evening of May 4 by train, there is no problem.

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BLEGDAMSVEJ 17

DK-2100 KØBENHAVN Ø DANMARK

TELEGRAM: NORDITA KØBENHAVN

TELEFON: (01) TRIA 1616

April 18, 1973

Dear Jan,

We are all very much looking forward to your stay here at Nordita. The period of three weeks beginning May 4 is very convenient for us. Your first lecture has been announced for Wednesday, May 9, at 4 p.m., but that can be changed if you wish.

Sigrid and I should like to meet you and Mieke at Kastrup airport. It would be most convenient if you were to arrive at Kastrup in the morning of May 4 rather than in the afternoon, for I would like to go to Brorfelde for a colloquium in the afternoon.*)

We have looked for an apartment for you but have found that it is not easy to rent a nice one for such a short time. So, if

*) If you arrive in the evening of May 4 by train, there is no problem.

you do not find it inconvenient, we would like
very much to have you stay with us. On the first
floor there is a guestroom with bathroom, that I
believe you remember, and in addition a room for
a study and living room that would be yours
during the stay. Sigrid thinks that perhaps it
would be nicest for you and Mieke to be
independent in the morning, so that you might wish to
prepare your own breakfast in the downstairs kitchen.
Probably you and I ~~would~~ leave together for Nordita,
where you would have an office. I usually have
lunch there in the Cafeteria, and you might like
to have lunch there, too. We shall make special
arrangements for your 11 a.m. coffee!

~~The~~ alternative would be that you stayed in
a nearby hotel so that you both could still enjoy
our house and garden. But the other arrangement
would be particularly nice for us, and I do hope
that you would find it convenient. I must admit
that there is sometimes loud disturbance at our
Carlsberg house, namely, an hour in the late
afternoons and sometimes on week-ends when the
three grandchildren visit.

Sigrid joins me in sending warm regards to you
and Mieke.

As ever

Bengt

DITA NOR

17
HAVN & DANMARK
EDITA KØBENHAVN
RIA 1018

Professor Jan Oc
errewacht
E I D E N

Dear Bengt,

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Dear Jan,
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NORDITA

NORDISK INSTITUT FOR TEORETISK ATOMFYSIK

Danmark · Finland · Island · Norge · Sverige

BLEGDAMSVEJ 17

DK-2100 KØBENHAVN Ø DANMARK

TELEGRAM: NORDITA KØBENHAVN

TELEFON: (01) TRIA 1010

Leiden, March 27, 1973.

Prof. Dr. B.G. Strömgren,
Observatoriet,
Østervoldgade 3,
Copenhagen - K.
Denmark.

Professor Jan Oort
Sterrewacht
LEIDEN

Dear Bengt,

I had promised to let you know when I could propose new dates for the planned visit to Nordita. As I mentioned at the time of your visit to the Netherlands as foreign adviser for our space programmes, the first three weeks of May would be quite convenient for me. Mieke could then certainly accompany me for about two weeks. Later in the spring would be less convenient. If the period in May would be less suitable for you and your group we might postpone the visit to the autumn. Mieke and I are now planning to go to Australia and will attend both the symposium at Canberra and at Maroochydore, so we shall not be back before the middle of September.

One of the problems I should much like to discuss with you is the birth of stars in the spiral density wave, which has now become of renewed interest in connection with our Westerbork results.

Looking forward to seeing you again,
With our warm greetings to Sigrid and yourself,

Yours

Bengt

Bengt Strömgren

Dear Jan, It was so good to see you and Mieke, if only for a short time. I very much hope that you can accept this invitation, for next November, say.

As ever,

Bengt

8.5.1968 (e)

NORDITA NORDISK INSTITUT FOR TEORETISK ATOMFYSIK
Danmark · Finland · Island · Norge · Sverige

BLEGDAMSVEJ 17
DK-2100 KØBENHAVN Ø DANMARK
TELEGRAM: NORDITA KØBENHAVN
TELEFON: (01) TRIA 1010

June 15, 1972

Professor Jan Oort
Sterrewacht
L E I D E N

Dear Jan,

On behalf of Nordita I want to confirm our hearty invitation to come for a visit to our Institute in the autumn of 1972. We hope very much that you will be able to stay here for 3 weeks, if possible longer than that.

Nordita will cover the expenses connected with your travel and stay in Copenhagen according to the enclosed rules.

Looking forward to seeing you again,

Yours

Bengt

Bengt Strömgren

Dear Jan, It was so good to see you and Mieke, if only for a short time. I very much hope that you can accept this invitation, for next November, say.

As ever,

Bengt

Leiden, August 4, 1972.

Prof. Dr. B. Stromgren,
Nordita,
Blegdamsvej 17,
~~BK-2400~~ Copenhagen Ø,
Denmark.

Dear Bengt,

I feel unhappy to have waited so long with my answer to your extremely attractive invitation to spend some weeks in Copenhagen in the autumn.

The reason why I have waited is because, as you know, making quick decisions has never been one of my strong points! (and this has not improved with the years). But it was mainly that I have taken up more things than I am able to finish and I began to feel somewhat oppressed by this. In addition there is the Westerbork telescope which is now producing data at a fast rate. Although I am no longer officially connected with the Stichting (except through its programme committee) I feel that I have a responsibility for the project and some obligation to help making the Westerbork work fully successful. Which means quite a lot of work, especially since the number of astronomers in Leiden and Groningen who have experience about galaxies is quite small.

I have waited to see how this work would develop before deciding about a longer absence in the autumn. It now appears that there is such an extensive task for our small group, in particular in connection with the 21-cm line work; that I feel I should not leave just in the period when this must be discussed. And this is the sort of work one cannot do elsewhere, because it naturally requires constant consultation with those who are involved in the reductions.

One reason why I have hesitated so long is that I felt so much attracted by the idea of spending a period in Copenhagen and of getting the opportunity to discuss some of the theoretical problems with you. I don't know whether there could be another possibility later to consider?

With love from Mieke and me to Sigrid and yourself,

yours,

8.5.1968 (e)