STERREWACHT TE LEIDEN

15 November 1951

Dear Reber,

The letter you wrote to Oort came just at the right moment, for I was going to write you anyway and this saves me a lot of questions. I am glad to hear that you are well and still busy.

The main message I have is that I should like to look you up arain. I have arranged to be at darvard Observatory for the spring term, leb. I to June 30. I have even ventured to choose as the lecturing subject radio—astronomy; this I am trying out at present for a group of 10 graduate students at Leiden. I should like to come to Mashington for a few days either before that term or some time during it, for after that I like to travel west. Of course, this looking around and hearing about current research, ideas and projects is the main purpose of my stay in the States. Therefore I was happy to get a taste of your present work already from your letter.

If all goes well and if nobody thinks up that I am a communist or worse, I hope to get my visa two weeks from now and to sail the first week of January, but reservations are not certain yet. After arrival the 16th I should like to spend about a week in trincaton and come from there to Mashington. This is subject to channes, but perhans you can let me know whether a visit would at all be convenient at that time. Also I should like to hear about any special events or nections in this field that are scheduled for spring, life the U.A.S.I. meeting in April last year. Other people I should like to see at Washington are of course the M.R.L. radio-astronomy group, further Dr. Hulburt for his corona and zodiacal light studies and Dr. John S. Hall for his interstellar polarization. As far as visiting the Haval Research Taboratory is concerned, would you perhaps inquire how much red tabe will be involved now; I fear it has not been reduced since 1948! I am quite willing to go through some letter writing in order to see the present set-up, if Dr. Magen is will into receive me. But since instruments is not my main aspiration I would not be terribly unharry if it would have to be substituted by a cosy get-to other somewhere else, like we had at the laddock's last time . I certainly loot forward to see all these poorle arain; please giver tha in the records and sone m excuses for not writing personally at this to ant.

I have not yet heard fort's weaching to jour news and one day for systlif is also ton about a time to just if orough contents of the interesting results you write. These collinse observations during a rail store are fine. The percentages at totality are about as unjecte, arout they? That there is virtually no limbrightening does not currentee no children since the Alma measurements of Stanier at Combridge. The undenstion puzzles to, but I are not and more inclined to the idea that as su masted at one by Jemisse, that the changes of density in the outer Corona Care in the union puzzles, that the changes of density in the outer Corona Care into the religious. So the outer corona may not up a mild one! These them is fall and the public of the limbric corona and changes of high I do not don't to real Interest of the public to make the court this is a out to a think the first court. The public is a not court to the fall of the public the contract of the side of of the

this is just for your information. I hope to with to them when my plans are more definite.

STERREWACHT TE LEIDEN

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Australian - M. 1. Australian of the cips is really such or a took, I not religible to the cips of some correspondence if the cips of burnes. I read the unpublished separa, he come correspondence if the cips of burnes. I read the unpublished separa, he come correspondence if the cips of the cips of the believe that this is not all there is to the line-structure of solar noise. I think this ill be a limitable line of research and very important. I hope to hear note that shout your results and about the region in hich they are obtained when a see you. I just looked up that data I had about different, heir type-I bursts, occurring during continued, whois of about different, heir type-I bursts, occurring during continued, whois of about the c/sec, both measured at quarterpower or helf amplitude. This some to a gree lairly well with the strongest of your pips. The removes only 70 to 130 le/sec, and I do not thin, they found any systematic change of duration with drequency like you indicate. Now wide is your frequency range? Of course, wild's work is like yours still unpublished so the data I mive above are just for your information, to you agree that I ard some data about your pips to tipe popular paper I referred to?

I read Kiemmheuer's note and if you had not specifically asked for my reaction I would not have reacted at all but you a have but it on the list of things I tent to study, like for instance ansold's and lyde's and like for the connection between easier are and palaetic noise. I quit serve that the three-free idea is outlated, earthich for the low from encies and parhaps for the kindeness, but is my brain this whole wroblem, including interstellar magnetic fields and interstellar polarization is still a big mess and the situation is excellent for a dozen theories to be suggested and discarded. This seams a bright idea of dispenheuer but for the rest I don't know.

We had a fine time in waris last spring where we saw a great deal of the Denisses and liked them very much. I also was able to hear a few things of Tyot, which is a little difficult because as an extracely good experimenter he is extracely cautious to make pre-publication remarks. Its showed me photographs of the corona and chronosphere that were simply wonderful.

By wife sends you her best regards. We will go to Boston together, but it is doubtful whether she will join me on the various side trips I on planning. With very best wishes

Sincerely yours,

H. C. van de Hulst.