moore de france come la flance.

WOODS HOLE OCEANOGRAPHIC INSTITUTION WOODS HOLE OCEANOGRAPHIC INS.

WOODS HOLE, MASSACHUSETTS

May 15, 1947 pub

May 15, 1947 pub

May 15, 1947 pub Dear Walter mote to say hello & that

That James to the model for

That James is to the model for sea - surface femperature preasurement if it works. I am having electronic Houbles, but leopse to get them storghtened. We will send you an official memo about it putty soon. I had a cleance to talk with De. Sverdong arlile he was here, and he says you are still Hemling about surface waves and are putting out a paper & about . Their generation soon. I would like very much to see it. I think you might be able to observe the separation of the learneday layer from evests if you used a heavy cold

snicke. Lam grong to have some woods institution , shows dry cie in a few deeps, it might make a vægsor Heat will stick with make a varpor flat will have have have to separation of LAYER series of water was separation of LAYER separation of LAYER of was seen and I was a series of way of the series of sea surface ferepenting presument of it woode. I am laving electronic Howbers hut lapt getinoffen en spried. I straffen en spried. I straffen en spried. memo about it protes soon. I had a chame to talk with De: Frenchy arlike he was here, and he says you are still themling about surface wower and are putting out a paper A show soon. I would like very much to see it. I think you mught be able to observe the separation of the lands of layer from eventre if you need a . heavy cold

May 19, 1947

Mr. Henry Stommel
Woods Hole Oceanographic Institution
Woods Hole, Massachusetts

Dear Hank:

Thanks a lot for your note. I have heard from Bill von Arx about your scheme for measuring sea surf temperature by means of infra-red radiation. I think this is a very good scheme. You may have heard that Dale Leipper here at Scripps had about the same idea some time ago and had actually suggested the problem as a possible project for ONR.

I am interested in your suggestion concerning the measurement of the separation of the boundary layer by using dry ice. I won't have a chance to try it in the near future. Please let me know any results you might have.

I am busy now writing up two Bikini papers. When this is complete, we shall prepare a number of instruments along the Scripps Institution pier, especially designed to measure tsunamis and also the mean rise in sea level due to wave action.

With many regards,

Yours,

Walter H. Munk

WHM:JS

Dear Walter -

lenow my plane I am going to England, I think, in about two months to work with R. V. Southwell on oceanie tides a + Hier numerial tide Herory business that we talked about so long ogs with together in Princeton. Southwelf offered to collaborate, and I can only league that I oan hold my end up. I got a letter from Bill Wood to the effect that be's going to the Philippenier. groe my hest to anita Schuste & met best regards to you & your wife.

Houle Stormel

July 10, 1947 Mr. Henry Stommel Woods Hole Oceanographic Institution Woods Hole, Massachusetts Dear Hank: I was very interested to hear that you are planning to go to England to work on tides. This ought to be a very interesting problem and I wish you the best of luck. I am planning to go to England and Norway late next year, in time to attend the meeting of the International Geophysical Union. After the meeting I hope to be able to stay in Norway for a number of months and work there. I wonder whether you have learned what the Office of Naval Research policy is regarding trips of this type. In my case I would continue to do the same type of work I would be doing at Scripps under the Navy project. If you can give me any hints as to whether and how this might be arranged, I should very much appreciate it. With best regards. Yours, Walter H. Munk WHM: sac

April 7, 1948

Mr. Henry Stommel Woods Hole Oceanographic Institution Woods Hole, Massachusetts

Dear Hank:

Thank you for your kind words. I will certainly send you a rough draft of the manuscript on wind stirring. We stell definitely scheduled for the analysis beginning Monday. April 12th, and I hope to be able to send you the manuscript a few weeks later.

It was certainly fun talking to you in New York.

Yours,

WHM: SAC

Walter

WOODS HOLE OCEANOGRAPHIC INSTITUTION WOODS HOLE, MASSACHUSETTS

July 14, 1947 Dear Walter, Thoules a lot for your litt and I hasten to veply that I alon't lenow anything about ONR policy regarded. Columbia Iselin very Anielly has offered to give me some Tustetention femils far Heis surpose. My very best to you & your wife Gours Louf Hanh

September 9, 1947 AIR MAIL Mr. Henry Stommel Woods Hole Oceanographic Institution Woods Hole, Massachusetts Dear Hank: Dr. Sverdrup and I have read with very much interest your paper on the wind driven oceanic circulation. You have made an important contribution to oceanography in being able to explain what is perhaps the most outstanding feature in the general circulation pattern of the sea. It is strange that you have done a job with which I have been playing around for some time. Indeed, the whole problem of wind stresses and oceanic circulation appears suddenly to have received attention. You probably noticed a paper by Hidaka in the last issue of the Transactions of the American Geophysical Union. Dr. Sverdrup has prepared a very interesting paper which explains the known equatorial current changes on the basis of wind stresses. Dr. Sverdrup's paper is now in press and will appear in the proceedings of the National Academy. I assume you will be going to England soon and I wish you good luck in your trip. Kindest regards. Yours, Walter WHM: SAC

WOODS HOLE OCEANOGRAPHIC INSTITUTION WOODS HOLE, MASSACHUSETTS

Leptember 11, 1947

Dear Walter Thoule you very much for your letter and Comments. I hape you will be here at the Woods Hole A. G. U. meeting, but in case you do not come I am going to Fondon
you with the Spring. I am going to Fondon the 26 th of their month for alcount 4 months to work with Southwell on Her numerical tide business. I lape it does not term out to be a dual. The seeing Dr. Schoolings Watronal Academy paper. Tuy very best wishes to you & your wife. Haul.

February 24, 1948 Mr. Henry Stommel Imperial College Hostel S. Kensington, S. W. 7 England Dear Hank: I was East for a week and found your letter upon my return here. I am familiar with Richardson's paper and the point of view he takes regarding turbulence. Have you ever looked at Scripps Institution of Oceanography oceanographic reports Nos. 1, 2 and 6? We sent copies of these reports to Columbus. I am planning to go to Norway in July and to study for about six months. I have applied for a Guggenheim Fellowship to study the problem of wind-driven currents by extending somewhat the analysis Dr. Sverdrup used in his recent article on equatorial counter currents. Sverdrup, H. U., : 1947. "Wind-Driven Currents in a Baroclinic Ocean, with Application to the Equatorial Currents of the Eastern Pacific", Proc. Natl. Acad. of Sciences, v. 33, pp. 318-326. I think you would find this a very interesting paper. I will attend the New York Academy of Sciences meeting on March 12th and 13th. Would it be possible for you to attend this meeting? I am very anxious to get together with you and talk about problems in which we are mutually interested. Yours. Walter H. Munk WHM:SAC

November 20, 1947 Mr. Henry Stommel Imperial College Hostel S. Kensington, S. W. 7 Ingland Dear Henk: Thank you for your interesting but rather sad letter. Everybody seems to be very discouraged the way things are going in Ungland. It is very good news that you have made progress with your study of tides and the success by means of the relaxation methods. We will probably meet after you return and I am looking forward to talking to you some more about it. Regarding purchase of a wave analyser from the Admiralty. I believe the situation is not very favorable. The possibility was discussed in detail but given up because Klebba felt he could build a better instrument for very much less money. So far, this hasn't happened, I believe. You will be interested to hear that your paper on "The Fixed Intensification of Wind-Driven Ocean Currents" was sent to me by the AGU editor. I shall return it with high recommendations. With best regards. Yours, Walter H. Munk WHM: SAC



Collected por 1932

IMPERIAL COLLEGE UNION,

S. KENSINGTON, S. W. 7.

KENSINGTON 2963

New 1, 1947

Dear Walter,

I have been over here for about a mouth now I have now found that I can positively work tede problems by velapation methods. I have been working on a few geometrially simple problems. first. The united problem I treed was a zonal ocean bounded by latitudes 255 7 65 S. "He Antavetu Ocean". I have just finished trying the affect of putting a bowner across this zonal ocean to see what the effect of the Drake Strait (Cape Have to Poline Bennaule)

must be on the fide generales in the Antwith Ocean, Next I well put in the major aceans (Parigin Indian Atlanta) by degrees, first wany geometrially ample flasing. I cam Boulmon & Doodson last week and find that they have also been teging similar methods for the Irish Sea. I also went out to the Admirally to see g. E.R. Deacon and he has been very hospitable & land to me. He has some very fine wore analyzers at present. I understone they would like to cell one, and that they are quite superia in resolving power to anything nee have, although they are quite bulky.

The situation in general is quite devely here, Watter. We eat mostly potatoes & cabbage. To milk, butter, eggs, meat to speak of. I so in a stove woundow the other day - & cigovetter are 75 \$ For Leventy, no gos for cors. The poor food affects everyone, especially the old people who are mostly Him & gount looling. When I think what it must re leter en germany & Clarativa I shuelder Tuell my best wisher to

you Walter and to your wife. Houle (Stomel) Collidate Para THE TOTAL STATE for con. The proof ford afflest energene terment the old people who one mosty thin & permit leaving when I there was in form and and a company 4. sheelder, tweel my destructed to

Dear Walter,

I was greatly introqued by your account of your work on the mighing layer using the California D. Analyze.

I you have any preparated manuscripte on first drafts I should very much like to see one

They best to you & your wife. Hank Stormel

Congratulations on the very interesting paper that appeared in the Sears Found Town of Mar Res.

M