

Charts filed with  
"Atmospheric Oscillations  
atop Haleakala"

3012 44th Street N.W.  
Washington 16, D.C.

May 27, 1959

Dear Grote:

The enclosed charts will probably be a surprise for you, but I hope a welcome one. You probably had given up all hope of getting them and I could hardly blame you. But I finally bestirred myself to get these copies made, and am forwarding them along hoping you still want them. They're not bad copies considering they were made from my white on black photostats.

Many thanks for your various reprints. I saw your article in JGR and skimmed through it then, but I must admit that my inexperience in radio phenomenon keeps me from getting much out of it. However your description of the installation was very familiar and in some ways quite nostalgic, and the principles behind your measurement of interfering rays from the same source were quite clear to me back in those days. Are you planning to do more of the same there in Green Bank?

My theoretical study of the 24-hour pressure wave on Haleakala will come out in the October Journal of Meteorology in case you are in a position to see that. I'll certainly send you a reprint when available. They have quite a backlog of contributions which partly accounts for the delay.

I'm getting settled now in the work for Bureau of Commercial Fisheries. We are embarking now on a big project to study the temperature structure in the western Atlantic in very great time and space detail. Conventional oceanographic temperature measurements are far apart in both space and time, but we are getting sea surface temperature observations from the Weather Bureau which are contained in the routine merchant ship weather reports every six hours. In the continental shelf-Gulf Stream area there are something like 320,000 obs in the two-year period (1953-54) that we will study. We are also getting bathythermograph data from the Navy-- again a relatively voluminous source of temperature data below the sea surface which has not been systematically studied. Eventually we will relate weather conditions to the fluctuations in the sea surface temperature patterns and see if we can establish any way in which meteorological events have a predictable influence on the fishes' environment. Our Laboratory is also in the forefront of a scheme to start a continuing scientific "Journal" consisting of maps published at irregular intervals showing distributions of marine animal forms and distributions of important environmental factors. Each map will bear the author's by-line and may be accompanied by explanatory text. Eventually, there will accumulate a valuable collection of biogeographic data which should stimulate further study and understanding of environmental influences on marine animals.

At present my wife and I have our hands full with our 22 month old boy plus the new boy which arrived last March. Boy #2 is just now giving up, in a gradual sort of way, his middle-of-the-night feeding, so we have hopes of getting our own sleeping schedule back to normal before long.

We have seen Dave Johnson several times this winter, but haven't seen him recently. He is busy with the Weather Bureau's program to instrument the meteorological satellites, as you probably know. Jim Nicholson, the chap who helped me on Haleakala during that June program in 1954, had been with the Weather Bureau in Honolulu until last fall, when he accepted a two-year assignment at Wake Island. He and his wife and two youngsters are apparently still out there, although we haven't heard from them in some time. I understand Saul Price is now located here in the east, but I haven't had any direct word from him.

Someday maybe we can get up there to see your sheep at Green Bank. Travelling isn't easy with two very young rascals so it will probably be a while before we could manage that long a trip. If you're ever down this way, be sure and give us a call.

With best wishes,

A handwritten signature in cursive script, appearing to read "Bob Price". The signature is fluid and extends to the right.













