

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

PACIFIC DISTRICT HEADQUARTERS

244 FEDERAL OFFICE BUILDING

P. O. BOX 3887

HONOLULU 12, T. H.

7 May 1952

Mr. Grote Reber
c/o Maui Vocational School
P.O. Box 258
Kahului, Maui

Dear Sir:

With reference to your letter of 5 May 1952, the tidal differences given for the various ports are determined from actual observations at the ports, or at nearby points. At some time in the past, a tide station has been maintained at these localities for a sufficient period of time to furnish the required information. The predicted tides are based upon these observations and are referred to a primary station to simplify publication.

There are instruments which will measure the tide in offshore areas, however, it is expensive and generally impracticable to obtain these observations. For example: Sixty miles offshore of Maui, the few feet of variation in tide would be negligible compared to the depth of water which is approximately 15,000 feet.

Very truly yours,

C. A. George

C.A. George
Commander, USC&GS
Supervisor, Pacific District