

HYDROGRAPHIC OFFICE

Washington 25, D. C.

Code 34-es
Serial 910

19 January 1950

From: Hydrographer
To: Commandant (OAN)
U.S. Coast Guard

Subject: Loran data

1. The Hydrographic Office is at present compiling positional information concerning Standard Loran transmitting antennas, especially their charted locations where different from the adopted coordinates used in the lattice computations for charts and tables.

2. It is expected that photostats of your installation plans will be of great assistance, particularly where such plans show relation of the downlead to the major features of the surrounding topography - shore lines, capes, bights, etc. It is, of course, essential that the central point of the antenna array be marked, and helpful for structures or lights navigationally useful to be indicated. Although it is considered desirable that some sort of sketch eventually be filed at the Hydrographic Office showing the location of all loran transmitters, special need exists at present for the following named stations:

Baccaro, Deming, ~~Port-aux-Basques~~, Bonavista,
Battle Harbor, Narsak, Upolu Point, Niitau,
French Frigate Shoals, Kwajalein, Majuro, Makin,
Ulithi, Guam, Saipan, ~~Naule Pt~~, Talampulon,
Tarumpitao, O Shima, Iwo Jima, Ichi Hanare,
Spring Id.

3. It is planned that the Hydrographic Office compilation will show, when charted and computational positions differ, both positions, with the transmitter position referred to the latest edition of the largest scale chart available. The resulting data will of course be made available to the Coast Guard.

/s/ JAMES S. BROWN
Commander, U.S. Navy
By direction

COPY

7-12

Office Memorandum • UNITED STATES GOVERNMENT

TO : CHIEF, SHORE UNITS DIVISION

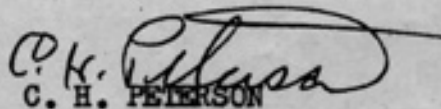
FROM : Chief, Aids to Navigation Division

SUBJECT: Loran Antenna Positional Information, request for

DATE: 1 February 1950
OAN 633, 432

1. A letter from the Hydrographic Office, copy of which is inclosed, requests copies of plot plans of loran antenna locations with respect to surrounding topography. Conversations with Hydrographic Office personnel indicate that, in many instances, astronomically-determined loran antenna positions do not agree with existing charts and corrections must be made. The Hydrographic Office is undertaking correction of charts or positions and requires a maximum amount of available information.

2. It is requested that copies of such plot plans or station location sketches of the 22 loran stations, listed on inclosed letter, and which are in your files, be forwarded to the Aids to Navigation Division for further transmittal to the Hydrographic Office. This request is also being made of Civil Engineering Division and Electronics Engineering Division.


C. H. PETERSON

Incl.
ltr from Hydrographer dtd 1/19/50,
Code 34-es, Serial 910 (copy)

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RECEIVED

wf 7-12

Office Memorandum • UNITED STATES GOVERNMENT

TO : Chief, Aids to Navigation Division OPERATIONS DATE: 7 February 1950
AIDS TO NAVIGATION DIV. RECEIVED

FROM : Chief, Shore Units Division FEB 16 1950

SUBJECT: Loran Antenna Positional Information, forwarding of ELECTRONICS SECTION
AIDS TO NAVIGATION DIV.

1. In accordance with your request dated 1 February 1950 the following plot plans and sketches are forwarded for duplication and return to OSU files. (Please note that all scales are approximate.)
2. Of the 22 stations for which plot plans are requested, only 10 are available from OSU files. Further, we have no record of any stations such as Narsak, Baccaro, Deming and Spring Island(Canadian).
3. It is requested that receipt of inclosures be acknowledged by indorsement

S. H. EVANS
Chief, Shore Units Division

- Incls: 1. Plot Plan, Tarumpitao
2. Plot Plan, Roguron, Majuro
3. Plot Plan, O'Shima
4. Plot Plan, Naulo Point
5. Plot Plan, Cocos Island, Guam (2 SKETCHES)
6. Plot Plan, Kwadack Isl., Kwajalein Atoll
7. Plot Plan, Port Aux Basques, Nfld.
8. Plot Plan, Battle Harbor, Lab.
9. Plot Plan, Potangeras, Ulithi
10. Plot Plan, Niihau

Ind-1

16 February 1950
OAN 633

From: Chief, Aids to Navigation Division
To : Chief, Shore Units Division

1. Above listed inclosures are returned herewith.
2. Receipt is hereby acknowledged of three aerial photographs of loran stations; one each of O'Shima, Cocos and Port Aux Basque. These will be returned after being used to determine antenna positions by the Hydrographic Office.

C. H. PETERSON

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