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4226-707:2

DEPARTMENT OF THE NAVY,
OFFICE OF THE JUDGE ADVOCATE GENERAL,
WASHINGTON. 29 August, 1924.

From: Judge Advocate General of the Navy
To: Captain Louis A. Kaiser, U.S.Navy
Navy Hydrographic Office, New York, N.Y.

Subject: First use of loops in radio reception.

1. There is a case in the Court of Claims in which is involved the use of loops in connection with radio reception. There is on record in the index to the files at the Charleston Navy Yard a note to the effect that two reports were received at that Navy Yard on the subject of "reception of messages without ground" from the radio station at Jupiter Inlet. The reports were dated 24 October 1905, and 28 October 1905. Information has also been received to the effect that an enlisted man by the name of A. Prastka, attached to the U.S.S. Maryland in 1905, wrote several reports on the use of loops during his period of duty on board that vessel. None of these reports have been located in the files of the Bureau of Engineering or at the Navy Yard, Charleston.

2. It is requested that should you remember any of the details regarding the first successful use of loops in connection with radio reception or the dates when radio reception by loops was first reduced to practice, or the names of any of the personnel connected with the experiments of this system of reception, this office be so informed.

L E Gratton

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IN REPLY ADDRESS
THE JUDGE ADVOCATE GENERAL OF THE NAVY
AND REFER TO NO.

26866-707:2
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DEPARTMENT OF THE NAVY

OFFICE OF THE JUDGE ADVOCATE GENERAL

WASHINGTON

October 27, 1924

From: Judge Advocate General of the Navy
To: Rear Admiral Samuel S. Robison, U.S.N.
Commander in Chief, Battle Fleet, U.S.S. CALIFORNIA

Subject: First loops in radio reception.

Enclosure:(A) Copy of letter dated 29 August 1924, from Judge Advocate General.

1. Under date of 29 August 1924, this office requested information regarding the first use of loops in connection with radio reception or the dates when radio reception by loops was first reduced to practice.

2. To date no reply has been received, and since this case is now pending in the Court of Claims, it is requested that this matter be expedited.

J. L. Latimer

N. J. A. 90

File _____ Page _____

26266-707:5 V

September 11, 1924

From: Judge Advocate General.
To : Captain L.A.Kaiser, U.S.N.,
Officer in Charge, Branch Hydrographic Office,
78 Broad Street, N.Y.

Subject: First use of loops in radio reception.

Reference: (a) Judge Advocate General's letter 29 August,1924.
(b) Your letter 961-31-JD 2 September, 1924.

1. As the case in which the first use of loops in radio reception is quite important to the Government, it is requested that you secure the note book used at the time of the inspection of the Jupiter Inlet Station as indicated in paragraph 5 of reference (b) and forward to this office such information as may become available.

L. E. Bratton
Acting

Address:
BRANCH HYDROGRAPHIC OFFICE
MARITIME EXCHANGE
78 BROAD STREET
NEW YORK, N. Y.

Telephone: 207 Broad

OFFICE OF
JUDGE ADVOCATE GENERAL
SEP 24 1924

NAVY DEPARTMENT
SECY'S OFFICE - RECORD
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J. A. G.
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C. G.
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SEP 23 1924
File

Refer to No. 961-31-JD.

BRANCH HYDROGRAPHIC OFFICE

NEW YORK, N. Y.

September 22, 1924.

26266-707:5 —

From: Captain Louis A. Kaiser, U.S.N.
Officer in Charge,
Branch Hydrographic Office, 78 Broad St., N.Y.

To: The Judge Advocate General of the Navy,
Navy Department, Washington, D. C.

SUBJECT: First use of loops in radio inspection.

REFERENCE: Your letter of 11 September, 1924,
#26266-707:5 V.

1. Note book was sent for, but search does not reveal any notes made on test of Jupiter Inlet station.

L.A.KAISER.

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NAVY DEPARTMENT
SEC'Y'S OFFICE - RECORD DIV.
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961-31-JD.

26266-707:5.

September 2, 1924.

From: Captain L.A.Kaiser,U.S.N.
Officer in Charge,
Branch Hydrographic Office, 78 Broad St., N.Y.

To: The Judge Advocate General of the Navy,
Navy Department, Washington, D.C.

SUBJECT: First use of loops in radio inspection.

REFERENCE: Your letter of 29 August, 1924.

1. By referring to my original orders #4308-27 of 6 December, 1905, and to the best of my recollection I was at the Jupiter In let wireless station betweem the dates of 15th and 21st of December, 1905; more nearly between 18th and 21st of December.

2. While at Jupiter, I recall trying an experiment to get some idea of the voltage at the top end of the antenna. As this was ordinarily impractical I think a lead was brought in from the antenna or from the secondary inductence and insulated from the ground, using one or more Leyden jars. I recall the very long spark obtained at the end of the lead. I do not recall that the electrician in charge made any report to me on the subject of "redeption of messages with ground" although this was about two months subsequent to dates quoted in reference.

3. I believe that I made a report to the Chief of Bureau of Equipment of this trip which was the testing, inspecting and the first tuning up of wireless stations from New Orleans to Cape Henry and it should be in the files of Bureau of Equipment turned over to Bureau of Engineering.

4. Prostka, according to my recollection was on duty about this time as wireless electrician at the Washington Navy Yard, and Admiral S.S.Robison (then a Lieut. Comdr. in charge of wireless telegraphy in the Bureau of Equipment) possibly may recall some reports on the subject and the names of personnel connected therewith as suhc reports would usually have passed through his hands. As a rule I acted as "outside man", while he tended to the office work.

5. I am sorry I can give no very definite information, but believe I have a note book, used at that time, in my house in Jamestown, R.I., which might refresh my mind or bring to my recollection events long forgotten.

L. A. Kaiser

L.A.KAISER.

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NAV DEPARTMENT
SECY'S OFFICE - REC'D DIV.
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UNITED STATES FLEET
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San Pedro, California,

NOV 3 1924

*26266-707:12

From: Admiral S. S. Robison, U.S. Navy, Commander-in-Chief, Battle Fleet.
To : The Judge Advocate General of the Navy.

Subject: First loops in radio reception.

Reference: (a) J.A.G. letter of 29 August, 1924.
(b) J.A.G. letter #26266-707:2 "V", of 27 October, 1924.

1. Replying to references (a) and (b), I have conferred with Lieutenant Prastka, now on the MARYLAND, and he informs me that he had previously made a report direct.

2. Many arrangements of antennae were made about the time referred to, in 1905, largely for the purpose of eliminating static, but I do not recollect any that applies to the use of loops as such. The International Telegraph Construction Company, now defunct, made some experiments for eliminating static at Jupiter Inlet and St. Augustine, Florida, which I think will be found in some of the old Bureau of Equipment's report. At Key West a report was received of cutting out static by using a low antennae strung between two coconut trees, and it is possible that that report also states whether or not the receiving circuit was grounded.

3. I would further advise that the reports of the tests between Pensacola, Florida, and Key West in 1905 be consulted.

S. S. ROBISON.

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Finished-File-Lavender

E. O.