

**THE TRANSATLANTIC LONGITUDE,
AS DETERMINED BY THE COAST
SURVEY EXPEDITION OF 1866: A
REPORT TO THE SUPERINTENDENT
OF THE U.S. COAST SURVEY**

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The Transatlantic Longitude, as Determined by the Coast Survey Expedition of 1866: A Report to the Superintendent of the U.S. Coast Survey by Benjamin Apthorp Gould

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BENJAMIN APTHORP GOULD

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AS DETERMINED BY THE COAST
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THE

TRANSATLANTIC LONGITUDE,

AS DETERMINED BY THE

COAST SURVEY EXPEDITION OF 1866.

A REPORT

TO THE SUPERINTENDENT OF THE

U. S. COAST SURVEY.

BY

BENJAMIN APTHORP GOULD,

LATE ASSISTANT.

WASHINGTON CITY:

PUBLISHED BY THE SMITHSONIAN INSTITUTION

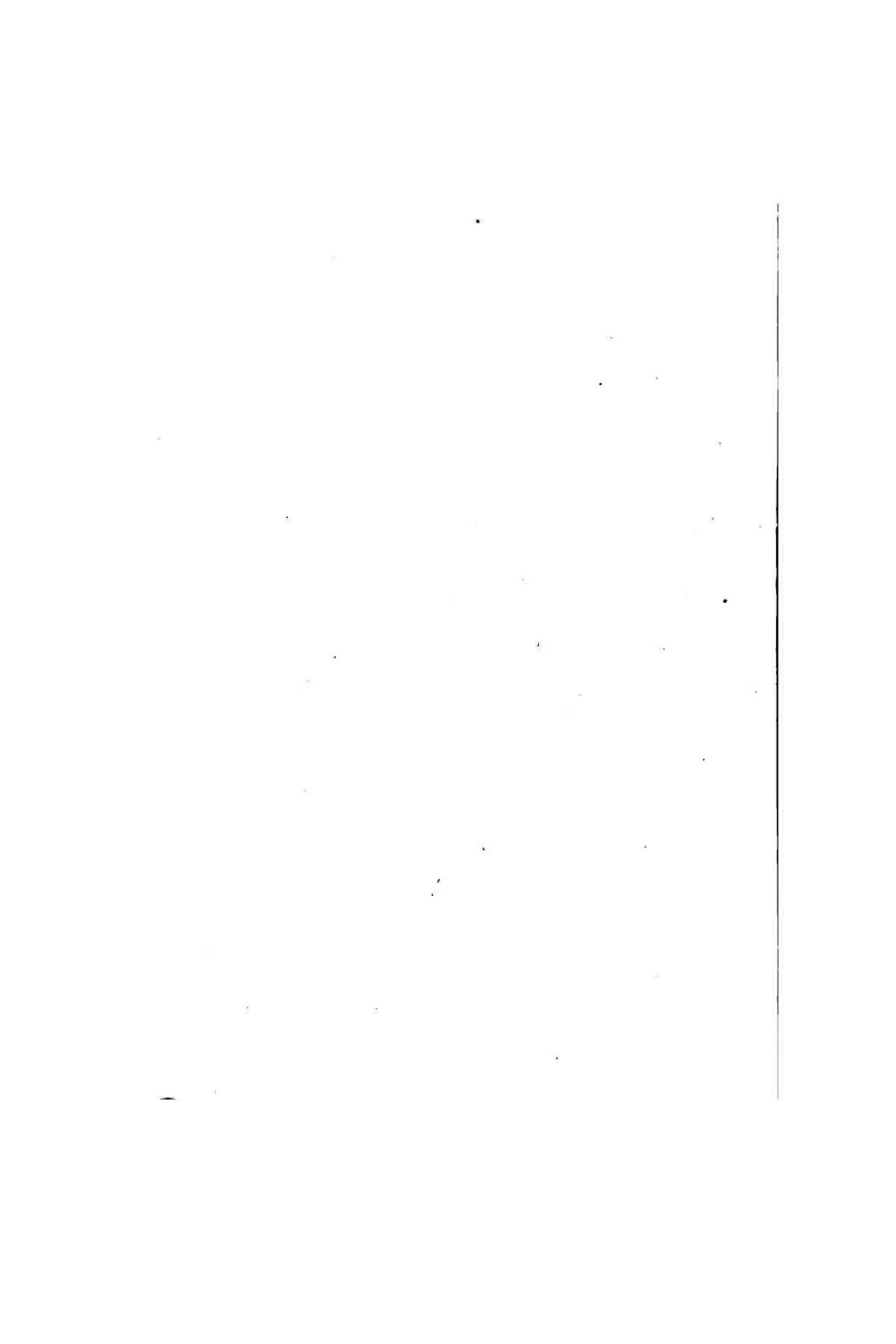
1869.

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The principal results contained in the following report were communicated to the National Academy of Sciences, and the report in full was afterwards presented for publication to the Smithsonian Institution by the author, Dr. B. A. Gould, with the consent of Prof. Benjamin Peirce, Superintendent of the Coast Survey.

JOSEPH HENRY,
Secretary S. I.

SMITHSONIAN INSTITUTION.
October, 1869.



P R E F A C E .

THE main facts here presented, together with the numerical results of the field reductions, were communicated to the National Academy of Sciences at their session of January, 1867.

The definite reductions were made during the spring and summer of 1867, Mr. A. T. Mosman assisting in them until May, when he was ordered elsewhere, and Mr. S. C. Chandler, jr., then taking the principal part in them, until they were essentially completed in the following October.

This report, in its present form, was prepared during the year 1867, except the final chapter upon the velocity of the signals, which has chiefly been written during the present month, since receiving from the Superintendent of the Survey permission to print the report.

B. A. GOULD.

CAMBRIDGE, MASSACHUSETTS,
February, 1869.

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