THE

MISCELLANEOUS DOCUMENTS

OF THE

SENATE OF THE UNITED STATES

FOR THE

TEXAS TECHNOLOGICAL

SECOND SESSION OF THE FORTY-FIFTH CONGRESS, FROM THE DATE

SESSION OF THE SENATE CONVENED MARCH 4, 1878

IN EIGHT VOLUMES

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REPORT OF THE NATIONAL ACADEMY OF SCIENCES FOR THE YEAR 1884.

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Scientific Session.
Held at Newport, R.I., October 14 to 17, 1884.

A scientific session, for the reading of papers only, having been called by the council, as announced at the April session, the Academy convened at the court house, Newport, R.I., on October 14, 1884.
The president, Prof. O.C. Marsh, presided.
The following members were present during the session:


The following gentlemen were invited to attend the meetings and to take part in the scientific proceedings: Prof. Edw. B. Tylor, of Oxford, England; Dr. W. Valentiner, director of the observatory at Karlsruhe, Germany; Hon. George Bancroft; Lieut. A.W. Greely, U.S.A.
The following papers were read and discussed:

7. Dana, E.S.—On the Thinolite of Lake Lahontan. Discussed by the president and Mr. Brewer.
15. Hall, A.—The Motion of Hyperion.
17. Verrill, A.E.—Some Results of the Exploration of the Deep Sea beneath the Gulf Stream by the United States Fish Commission Steamer Albatross, during the past Summer. Read by Mr. Pumpelly.
18. Abbot, H.L.----Recent Progress in Explosives. (Read by title.)
19. Pumpelly, R.----On an Experimental Composite Photograph of the Members of
   the Academy. Discussed by Mr. Brewer, the president, and Messrs. Powell,
   Cope, and Peirce.
   Karlsruhe. Discussed by Mr. Peters.

Death of Members.

The President announced the death of the following members: Dr. J.J. Woodward,
U.S.A., and Dr. R.E. Rogers.

The following members were appointed to prepare obituary memoirs:

Of Dr. Woodward: Dr. J.S. Billings.
Of Dr. Rogers: Mr. F. Rogers.

Since the October meeting, Prof. Benjamin Silliman has died at New Haven,
Conn., January 14, 1885.

Death of Foreign Associates.

During the past year, two foreign associates, J.B. Dumas and Adolphe Wurtz, both of
Paris, have died.

The scientific session closed October 17, 1884.

Special Session.

Held at Newport, R.I., October 15, 1884.

A special session the Academy having been called by the council, in accordance with
Article III, section 1, of the constitution, the Academy convened in the court-house at
Newport, October 15, 1884, the president, Prof. O.C. Marsh, presiding.

The president was authorized to include in his annual report to Congress, in addition to
the detail of the regular proceedings of the sessions, the report of the committee on the
organization of the National Surveys and Signal Service, the report of the committee on
philosophical and scientific apparatus, reports upon any other business submitted to him
during the current year, by the Government of the United States, and the report of the
committee on publications of the Academy.