REPORT OF THE LIBRARIAN FOR THE YEAR 1905.

I beg to announce the steady growth of the library during the past year. It would be easy to add to our number of exchanges, and to include certain publications of a technical or engineering nature of value to the Society, but we are embarrassed by lack of funds to bind even the periodicals that come to us at present. Until, therefore, we can secure some endowment to provide for the expense of binding, of completing our sets, and of adding to the number of works for which our members make inquiries, we cannot hope for any marked increase in the size of the library.

Members are again invited to consider the suggestion made from year to year, that gifts of mathematical works, of historic interest as well as of scientific importance, are welcome. In particular, all published works of members of the Society should have a place in our library.

The following table shows the growth of the library in recent years:

	Jan. 1, 1902.	Jan. 1, 1903.	Jan. 1, 1904.	Jan. 1, 1905.	Jan. 1, 1906.
Volumes of periodicals........	32	695	981	1448	1769
Volumes, non-periodical......	89	248	354	487	547
Periodicals on exchange list.	64	116	154	155	164

DAVID EUGENE SMITH,
Librarian.

NEW YORK, December 26, 1905.

LIBRARY RULES.

1. Applications for books may be made in person, or by letter addressed to the AMERICAN MATHEMATICAL SOCIETY, 501 West 116th Street, New York. Members may, if they desire, apply in person directly to the superintendent of the loaning department of the Columbia University Library, where the Society's library is deposited. Books will be delivered directly to those applying in person, and will be sent to other applicants by express at the expense of the borrowers.

2. A book may be kept four weeks from the date of leaving the library, but the loan may be renewed from time to time by writing to the Society in advance of the day when the book is due.

3. Borrowers should return the books in person or by prepaid express.

CATALOGUE OF THE LIBRARY.

I. JOURNALS.

In case the Society has already any bound volumes, these are indicated in the list. Where no bound volumes are indicated, the journal has recently been placed upon the exchange list, and only the current unbound numbers are in the library. The journals are listed alphabetically according to the places of publication.

AMSTERDAM.

Nieuw Archief voor Wiskunde, Ser. 1, Vols. 1–20; Ser. 2, Vols. 1–6 (1875–1905).

Revue semestrielle des Publications mathématiques, Vols. 1–13 (1893–1905). Tables des Matières, 1892–1902.

Wiskundige Opgaven met de Oplossingen, Vols. 1–8 (1882–1902).

BALTIMORE.

American Journal of Mathematics, Vols. 1–27 (1878–1905); Index, Vols. 11–20.

BERLIN.

Akademie der Wissenschaften, Abhandlungen (selected mathematical memoirs), 1892–94, 1897, 1901, 1903, 1904; Sitzungsberichte, 1857–1868, 1870–1881, 1891–1904; Indexes, 1836–1858, 1859–1873, 1874–1881.

Jahrbuch über die Fortschritte der Mathematik, Vols. 15–33 (1883–1902).

Journal für die reine und angewandte Mathematik, Vols. 96, 97, 109, 125–129 (1884–1905).

Sitzungsberichte der Berliner mathematischen Gesellschaft, Vol. 1.

Unterrichtsblätter für Mathematik und Naturwissenschaften, Vols. 9–10 (1903–1904).

Veröffentlichungen d. K. Preus. Geodätischen Instituts, Vols. 1–2, 11, 19.

BOLOGNA.

Il Bolletino di Matematica, Vols. 1–3 (1902–1904).

R. Accademia delle Scienze, Memorie, Ser. 5, Vols. 8–10; Ser. 6, Vol. 1 (1899–1904); Rendiconti, New Series, Vols. 4–8 (1899–1904).

BORDEAUX.

Société des Sciences de Bordeaux, Memoires, Ser. 4, Vols. 1–5; Ser. 5, Vols. 1–5; Ser. 6, Vols. 1–3 (1893–1903); Procès-verbaux, 1894–1904.

BOSTON.

American Academy of Arts and Sciences, Proceedings, Vols. 26–40 (1890–1905); Memoirs, Vol. 12 (1902).

Technology Quarterly, Vols. 4–17.