

REPORT OF THE LIBRARIAN FOR THE YEAR 1904.

It is gratifying to be able to announce a satisfactory increase in the library during the past year, in spite of the fact that at the time of the last report we had already reached nearly the maximum as to the possible number of periodicals upon the exchange list. The following table shows the growth of the library during the past three years:

	Jan. 1, 1902.	Jan. 1, 1903.	Jan. 1, 1904.	Jan. 1, 1905.
Volumes of periodicals.....	32	695	981	1548
Volumes, non-periodical.....	89	248	354	487
Periodicals on exchange list.....	64	116	154	155

Among the noteworthy gifts to the library during the year should be mentioned that by Dr. G. W. Hill, of 39 volumes of the *Nouvelles Annales*, that by the St. Petersburg Academy of 48 volumes of the *Bulletin* (with certain lacunæ which we are endeavoring to fill), the missing volumes of the *Acta Mathematica*, 8 volumes of the Dublin Society's *Transactions*, and numerous works donated by Teubner & Co., and Gauthier-Villars & Co.

Members are again invited to consider the suggestion made last 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.

DAVID EUGENE SMITH,
Librarian.

NEW YORK, December 24, 1904.

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. 1-5.

Revue semestrielle des Publications mathématiques, Vols. 1-12.
Tables des Matières, 1892-1902.

Wiskundige Opgaven met de Oplossingen, Vols. 1-8.

BALTIMORE.

American Journal of Mathematics, Vols. 1-26; Index, Vols. 11-20.

BERLIN.

Akademie der Wissenschaften, Abhandlungen (selected mathematical memoirs), 1892-94, 1897, 1901, 1903; *Sitzungsberichte*, 1891-1903.

Jahrbuch über die Fortschritte der Mathematik, Vols. 15-32.

Journal für die reine und angewandte Mathematik (Crelle), Vols. 96, 97, 109, 125-127.

Sitzungsberichte der Berliner mathematischen Gesellschaft, Vol. 1.
Unterrichtsblätter für Mathematik und Naturwissenschaften, Vols. 9-10.

Veröffentlichungen d. K. Preuss. Geodätischen Instituts, Vols. 1-2, 11.

BOLOGNA.

Il Bolletino di Matematica, Vols. 1-2.

R. Accademia delle Scienze, Memorie, Ser. 5, Vols. 8-9; *Rendiconti, New Series*, Vols. 4-6.

BORDEAUX.

Société des Sciences de Bordeaux, Memoires, Ser. 4, Vols. 1-5; Ser. 5, Vols. 1-5; Ser. 6, Vols. 1-3; *Procès-verbaux*, 1894-1903.

BOSTON.

American Academy of Arts and Sciences, Proceedings, Vols. 26-39; *Memoirs*, Vol. 12.

Technology Quarterly, Vols. 4-16.

BRAY-SUR-SEINE.

Journals des Géomètres-Experts, Vols. 1-3, 9, 10-11.

BRISBANE, QUEENSLAND.

Proceedings of the Royal Society, Vols. 15-18.