

	January 1, 1902.	January 1, 1903.	Increase.	Increase per cent.
Volumes of periodicals.....	32	695	663	2,072%
Volumes, non-periodical.....	89	248	159	179%
Periodicals on exchange list....	64	116	52	81%

There has been considerable use of the library by members of the Society, but it is reasonable to expect that the number of loans will greatly increase as the result of publishing the catalogue appended to this report. A revised list of rules has therefore been prepared and is also appended hereto.

Special mention should be made in this report of the following noteworthy donations:

By Wm. B. Rogers, Esq., through the suggestion of Dr. H. P. Bowditch, Laplace's *Mécanique céleste*, 4 volumes, translated by Bowditch.

By Professor James Mills Peirce, two volumes of the works of the late Professor Benjamin Peirce, from the library of the latter.

By Ginn and Company, 22 volumes; by D. C. Heath and Company, 14 volumes; by The Macmillan Company, 8 volumes; by C. Naud, Paris, 6 volumes; by The Open Court Publishing Company, 5 volumes; by Allyn and Bacon, 3 volumes; by Crane and Company, 2 volumes; by Oliver and Boyd, Edinburgh, 2 volumes; these representing mathematical works published by the donors.

The growth of the library has been secured with only a slight expenditure of the Society's funds, chiefly for stationery and for the postage necessary to effect the exchanges.

DAVID EUGENE SMITH,  
*Librarian.*

NEW YORK, December 24, 1902.

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#### LIBRARY RULES.

1. Applications for books may be made in person, or by letter addressed to the AMERICAN MATHEMATICAL SOCIETY, 501 West 116th St., 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.

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## CATALOGUE OF THE LIBRARY.

### I. LIST OF JOURNALS TAKEN BY THE LIBRARY.

In case the Society has already any bound volumes, these are indicated in the list. Where there are no bound volumes 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. 1-4.  
*Revue semestrielle des Publications mathématiques*, Vols. 1-10.  
*Wiskundige Opgaven met de Oplossingen*, Vols. 1-7.

#### BALTIMORE.

- American Journal of Mathematics*, Vols. 9-24.

#### BERLIN.

- Abhandlungen der königlichen Akademie der Wissenschaften*, 1892-94, 1897, 1901.  
*Jahrbuch über die Fortschritte der Mathematik*, Vols. 15-30.  
*Sitzungsberichte der königlichen Akademie der Wissenschaften*, 1891-1901.

#### BOLOGNA.

- Il Bollettino di Matematica*.

#### BORDEAUX.

- Mémoires de la Société des Sciences de Bordeaux*, Ser. 4, Vols. 1-5; Ser. 5, Vols. 1-5; Ser. 6, Vol. 1.  
*Procès-verbaux de la Société des Sciences de Bordeaux*, 1894-7, 1898-1901.

#### BOSTON.

- Proceedings of the American Academy of Arts and Sciences*, Vols. 26-36; *Memoirs*, Vol. 12.  
*Technology Quarterly*, Vols. 4-14.

#### BRAY-SUR-SEINE.

- Journal des Géomètres-Experts*.

#### BRISBANE, QUEENSLAND.

- Proceedings of the Royal Society*, Vols. 15-16.