

## ANNUAL REPORTS.

## REPORT OF THE TREASURER FOR THE YEAR 1902.

## RECEIPTS.

Balance from 1901, cash.....	\$1,247.92
Balance from life membership fund.....	887.18
	<u>\$2,135.10</u>
Annual payments for 1900.....	70.00
Annual payments for 1901.....	255.00
Annual payments for 1902.....	1,315.00
Annual payments for 1903.....	40.00
Payments for fractional parts of 1901.....	1.25
Payments for fractional parts of 1902.....	81.76
Initiation fees for 1901.....	30.00
Initiation fees for 1902.....	145.00
Life membership fees.....	50.00
Sale of Reprints.....	122.17
Sale of BULLETIN by the Secretary.....	87.40
Sale of BULLETIN by The Macmillan Co.....	235.90
Contributions in support of the TRANSACTIONS:	
Bryn Mawr College.....	100.00
Columbia University.....	100.00
Cornell University.....	100.00
The University of Chicago.....	100.00
Subscriptions to the TRANSACTIONS (\$3.75) for 1900.....	7.50
Subscriptions to the TRANSACTIONS (\$3.75) for 1901.....	26.25
Subscriptions to the TRANSACTIONS (\$3.75) for 1902.....	262.50
Subscriptions to the TRANSACTIONS (\$3.75) for 1903.....	7.50
Subscriptions to the TRANSACTIONS (\$4.50) for 1900.....	9.00
Subscriptions to the TRANSACTIONS (\$4.50) for 1902.....	27.00
Subscriptions to the TRANSACTIONS (\$4.50) for 1903.....	13.50
Subscriptions to the TRANSACTIONS (\$5.00) for 1902.....	50.00
Subscriptions to the TRANSACTIONS (\$5.00) for 1903.....	5.00
Sale of TRANSACTIONS by the Secretary.....	4.75
Sale of TRANSACTIONS by The Macmillan Company.....	125.86
Interest on deposit in Fifth Avenue Trust Company.....	37.58
Interest on deposit in Institution for Savings.....	29.10
Exchange.....	.33
	<u>\$5,574.45</u>

## DISBURSEMENTS.

Expenses of the Secretary's Office.....	\$ 176.33
Expenses of the Treasurer's Office.....	49.25
Expenses of Library.....	116.84
Expenses of the Committee of Publication.....	54.50
Expenses of the Editorial Committee of the TRANSACTIONS	276.55
Publication of BULLETIN (ten numbers).....	1,308.99
Publication of TRANSACTIONS (four numbers).....	1,793.60
Annual Register.....	79.82
Expenses of the Chicago Section.....	52.50
Expenses of the San Francisco Section.....	6.92
Exchange .....	3.33
	<u>\$3,918.63</u>
Balance, Dec. 27, 1902, cash.....	689.54
Balance, Dec. 27, 1902, life membership fund... ..	966.28
	<u>\$1,655.82</u>
	<u>\$5,574.45</u>

WM. S. DENNETT,  
*Treasurer.*

NEW YORK, December 29, 1902.

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 REPORT OF THE AUDITING COMMITTEE.

The Committee appointed by the AMERICAN MATHEMATICAL SOCIETY to audit the accounts of the Treasurer beg to report as follows:

We have examined the statement of receipts, including balance from last account, dues, initiation fees, life membership commutations and sale of publications, and find the sum to be \$5,574.45. We have examined the statement of disbursements, compared it with the vouchers, and find the sum to be \$3,918.63, leaving a balance of \$1,676.64, of which \$32.69 is cash on hand, \$966.28 is in the Institution for the Savings of Merchants' Clerks, and \$677.67 is in the Fifth Avenue Trust Company, subject to three outstanding checks, amounting to \$20.82.

EDWARD B. VAN VLECK,  
R. S. WOODWARD,  
*Auditing Committee.*

NEW YORK, December 27, 1902.

## REPORT OF THE LIBRARIAN FOR THE YEAR 1902.

During the past year an effort has been made to improve the library in the following respects :

1. To complete the imperfect volumes of the exchanges, and to secure as many back volumes as possible.
2. To establish exchange relations with such of the leading mathematical journals of the world as were not already on the library's list.
3. To interest members in the plan of making the library a depository of their published works, to the end that it might in time become a substantially complete exponent of the country's mathematical thought.

The results have been, in the main, satisfactory, especially in the first and second lines of effort mentioned. We have more than twenty times as many bound volumes of mathematical periodicals upon our shelves as we had one year ago, and our number of exchanges has practically doubled. There are but few important mathematical journals in the world that are not now on our list, and with these we are in correspondence with a view to exchange relations.

As to the third point, much work still remains to be done. Members have been very thoughtful in sending to the library reprints of their articles, and these have been filed alphabetically with a view to future binding. A considerable number of bound volumes have also been contributed by authors and publishers. But the library has only a relatively small number of the published works of its members, and very few of the country's earlier mathematical treatises. Gifts of other mathematical works, of historic interest as well as of scientific importance, particularly of volumes to complete our sets of journals, will be welcome. If the library could, through the interest of its members, maintain the growth of the past year, it would in a short time come to be of exceedingly great value to the Society.

The following table shows the growth of the library during the past year :

	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