

ANNUAL REPORTS.

REPORT OF THE TREASURER FOR THE YEAR 1898.

<i>Receipts.</i>		<i>Disbursements.</i>	
Balance from 1897,.....	\$1172.57	Expenses of the Treasurer,	\$25.65
Initiation fees,.....	145.00	Expenses of the Secretary,	164.43
Sales of reprints,.....	18.00	Expenses of the Publica-	
Sales through Macmillan		tion Committee,.....	45.20
Company,.....	170.83	Expenses of the Chicago	
Other sales of BULLETIN,	27.69	Section,.....	14 10
Life membership fees,....	145.66	Printing list of Members,	46.35
Annual dues from mem-		Cost of BULLETIN,.....	1317.84
bers,	1323.70	Balance,	1389.88
	<u>\$3003.45</u>		<u>\$3003.45</u>

The item "Annual dues from members" includes three payments for the year 1896, seventeen for 1897, and two advance payments for 1899. The sales through Macmillan Company include \$7.20 for the Chicago Congress Papers. The expense accounts of the officers and Committee of Publication cover the cost of stationery, postage, clerical assistance, printing ballots, circulars, and notices of meetings, messengers, expressage and telegrams. The "Cost of Bulletin" covers the ten numbers ending with November, 1898, and includes the cost of distribution as well as printing.

HAROLD JACOBY,
Treasurer.

NEW YORK, *December 15, 1898.*

REPORT OF THE AUDITING COMMITTEE.

The undersigned, a committee appointed by the Council of the American Mathematical Society, October 29, 1898, to audit the accounts of the Treasurer for the current year, beg to report as follows :

We have examined the statement of receipts, including dues, initiation fees, life membership commutations, and sales of publications, and find the same to be correct. We have examined the statement of disbursements, compared it with the vouchers, and find that they agree.

We have examined the cheques returned by the Fifth Avenue Bank and find that they agree with the vouchers and with the bank book.

The balance reported by the Fifth Avenue Bank December 15, 1898, namely, \$1,389.88, agrees with the Treasurer's report.

G. W. HILL,
R. S. WOODWARD,
Auditing Committee.

New York, *December 17, 1898.*

REPORT OF THE LIBRARIAN FOR THE YEAR 1898.

I have the honor to report to you the following list of societies and periodicals which exchange with the American Mathematical Society, together with the volumes and numbers of reports, etc., and periodicals now belonging to the Society :

America.

- Baltimore, *American Journal of Mathematics*, vols. 9 ; 10 ; 14-20.
 Boston, *Technology Quarterly*, vols. 4-10 ; 11, nos. 1-3.
 Charlottesville, Va., *Annals of Mathematics*, vols. 11; 12, nos. 1-5.
 Chicago, *Astronomy and Astro-Physics*, nos. 107-115, 117-124, 126-130 ;
Astro-Physical Journal, vols. 1-5 ; 6, nos. 2-4 ; 7 ; 8, nos. 1-3.
 Fort Monroe, Va., *Journal of the U. S. Artillery*, vols. 2, no. 4 ; 3, no. 4 ; 4-9 ; 10, no. 1.
 Halifax, Nova Scotian Institute, *Proceedings and Transactions*, vols. 8 ; 9, nos. 1-3.
 Ithaca, N. Y., *Journal of Physical Chemistry*, vols. 1, nos. 10-12 ; 2, nos. 1-8.
 Lick Observatory, *Publications*, vols. 1-3 ; *Contributions*, nos. 3-5.
 Mexico, Sociedad Científica Antonio Alzate, *Momorias y Revista*, vols. 5-7 ; 8, nos. 1-8 ; 9, nos. 1-6, 9, 10 ; 10 ; 11, nos. 1-8.
 New York, Actuarial Society of America, *Reports*, vols. 1-3 ; 4, nos. 13, 14.
 New York, American Mathematical Society, *Bulletin*, 1st series (New York Mathematical Society), vols. 1-3 ; 2d series, vols. 1-4.
 New York, *Science*, nos. 1-46, 48-112, 114-209.
 Philadelphia, American Philosophical Society, *Proceedings*, nos. 136-148, 150-157.
 San Francisco, Astronomical Society of the Pacific, *Publications*, vols. 1 ; 2 ; nos. 13-15, 21-24, 28, 30-49, 53-62, 64.
 St. Louis, Academy of Sciences, *Transactions*, vols. 5, nos. 1-4 ; 6, nos. 1, 2, 8-17 ; 7, nos. 6-17, 19 ; 8, nos. 2-5.
 Springfield, Mo., *American Mathematical Monthly*, vols. 4, 5.
 Washington, Commissioner of Education, *Reports*, years, 1888-89 ; 1889-90 ; 1890-91 ; 1891-92 ; 1892-93 ; 1893-94 ; 1894-95.
 Washington, U. S. Geological Survey, *Bulletin*, nos. 87-89, 97-156 ;
 Monographs, vols. 19, 21-23, 30 ; *Annual Reports*, vols. 10-17 ; 18, no. 5, 5 (cont.).
 Washington, U. S. Naval Observatory, *Washington Observations*, 1884, appendix 1 ; 1885, 1-3 ; 1886, 1 ; 1887, 1-3 ; 1888, 1, 2, pp. D. 1-60 ; 1889, 1, *Meteorological Observations* ; 1890, 1, *Meteorological Observations* ; 1894, 1 ; *Superintendent's Reports*, 1891, 1892, 1893.

Asia.

- Tokio, Japan, Mathematico-Physical Society, *Bulletin*, vols. 6 ; 7 ; 8, nos. 1-3.

Europe.

- Amsterdam, *Nieuw Archief voor Wiskunde*, 1st series, vols. 1-20 ; 2d series, vols. 1, nos. 1, 2; 3, nos. 1-4.
- Amsterdam, *Revue Semestrielle des Publications Mathématiques*, vols. 1-3 ; 4, no. 1 ; 5 ; 6 ; *Index* 1893-97.
- Amsterdam, *Wiskundige Opgaven*, vols. 6 ; 7, nos. 2-4.
- Ghent, *Mathesis*, vols. 4-8.
- Liège, Royal Société des Sciences, *Mémoires*, vol. 19, 20.
- Paris, *Journal de Mathématiques Pures et Appliquées*, vols. 3, 4.
- Paris, *L'Intermédiaire des Mathématiciens*, vols. 4, 5.
- Paris, Société Mathématique de France, *Bulletin*, vols. 21-25.
- Toulouse, *Annals de la Faculté des Sciences*, vols. 10-12.
- Coimbra, *Jornal das Ciencias Mathematicas e Astronomicas*, vols. 9-12 ; 13, nos. 1-4.
- Madrid, *Archivo de Mathematicas*, vols. 1 ; 2, nos. 1-4.
- Palermo, *Rendiconti del Circolo Matematico*, vols. 7, no. 6 ; 8 ; 9 ; 10, nos. 1-4, 6 ; 11 ; 12, nos. 1-5 ; *Annuaire*, 1898.
- Turin, *Revue de Mathématiques*, vols. 2 ; 3, nos. 1-3, 6-12 ; 4 ; 5 ; 6, nos. 1, 2 ; *Formulaire de Mathématiques*, Introduction and vol. 2, nos. 1, 2.
- Zurich, *Naturforschende Gesellschaft*, vol. 46, nos. 1-4 ; *Festschrift*, I and II.
- Berlin, *Fortschritte der Mathematik*, vols. 22-26 ; 27, nos. 1, 2.
- Göttingen, *Nachrichten, Math. Phy. Klasse*, years, 1895-1898 ; *Geschäftliche Mittheilungen*, years, 1895-1897 ; 1898, no. 1.
- Leipzig, *Mathematische Annalen*, vols. 46 ; 47, nos. 1-3 ; 48, nos. 3, 4, 49 ; 50 ; 51, nos. 1, 2.
- Leipzig, *Zeitschrift für Mathematik und Physik*, vol. 44, no. 1.
- Stockholm, *Acta Mathematica*, vol. 22, nos. 1, 2.
- Stockholm, *Bibliotheca Mathematica*, vols. 11, nos. 1, 3, 4 ; 12.
- Vienna, *Monatshefte für Math. und Phys.*, vol. 9.
- Kharkov, *Société Mathématique*, vols. 5 ; 6, nos. 1-3.
- Kasan, *Société Physico-Mathématique*, *Bulletin*, vols. 1-5 ; 6, nos. 2-4 ; 7 ; 8, no. 1.
- Warsaw, Society of Naturalists, *Travaux*, vols. 1-3 ; *Comptes Rendus des Assemblées*, years 1-7 ; *Phy., Chem. and Biol.*, years 3-6 ; *Biol.*, year 7 ; *Phy. and Chem.*, year 7.
- Warsaw, *Mathematico-Physical Society*, vols. 1-8.
- Cambridge Philosophical Society, *Proceedings*, vol. 10, part 1 ; *Transactions*, vol. 17, part 2.
- Edinburgh Mathematical Society, *Proceedings*, vols. 1 ; 11-16.
- Edinburgh Royal Society, *Proceedings*, vols. 3 ; 4 ; 10-12 ; 15-21.
- London, *Educational Times*, vols. 50, 51.
- London Mathematical Society, *Proceedings*, vols. 1-28.
- London, Royal Society, *Proceedings*, nos. 382-404 ; *Year Book*, 1896-97.
- Manchester Literary and Philosophical Society, *Memoirs and Proceedings*, vols. 41, 42.

POMEROY LADUE,
Librarian.

December 28, 1898.