

ANNUAL REPORTS.

REPORT OF THE TREASURER FOR THE YEAR 1901.

RECEIPTS.

Balance from 1900, cash.....	\$1,410 74
Balance from life membership fund	750 00
	\$2,160 74
Annual payments for 1897.....	5 00
Annual payments for 1898.....	5 00
Annual payments for 1899.....	35 00
Annual payments for 1900.....	135 00
Annual payments for 1901.....	1,330 00
Annual payments for 1902.....	10 00
Payments for fractional parts of 1901.....	47 76
Initiation fees for 1900.....	105 00
Initiation fees for 1901.....	115 00
Life Membership fees.....	100 00
Sale of reprints.....	60 35
Sale of BULLETIN through The Macmillan Company.....	212 52
Sale of BULLETIN through the Secretary.....	3 10
Sale of Published Papers.....	3 00
Contributions in support of the TRANSACTIONS :	
Bryn Mawr College.....	100 00
Columbia University.....	100 00
Cornell University.....	100 00
Harvard University.....	100 00
Haverford College.....	100 00
Northwestern University.....	100 00
Princeton University.....	100 00
The University of California.....	100 00
The University of Chicago.....	100 00
Yale University.....	100 00
Subscriptions to the TRANSACTIONS (\$3.75), for 1900.....	26 25
Subscriptions to the TRANSACTIONS (\$3.75), for 1901.....	221 25
Subscriptions to the TRANSACTIONS (\$3.75), for 1902.....	7 50
Subscriptions to the TRANSACTIONS (\$3.75), for 1903.....	3 75
Subscriptions to the TRANSACTIONS (\$4.50), for 1900.....	4 50
Subscriptions to the TRANSACTIONS (\$4.50), for 1901.....	126 00
Carried forward.....	\$5,716 72

Brought forward.....	\$5,716 72
Subscriptions to the TRANSACTIONS (\$4.50), for 1902.....	9 00
Subscriptions to the TRANSACTIONS (\$5.00), for 1901	50 00
Subscriptions to the TRANSACTIONS (\$5.00), for 1902.....	5 00
Sale of single copies of TRANSACTIONS.....	28 32
Interest on deposit in Fifth Avenue Trust Company.....	50 20
Interest on Deposit in Savings Banks.....	13 12
Colloquium fees.....	34 50
Exchange	1 05
	<u>\$5,907 91</u>

DISBURSEMENTS.

Expenses of the Secretary's office.....	\$ 220 42
Expenses of the Treasurer's office.....	71 65
Expenses of the Chicago Section.....	49 06
Expenses of the Committee of Publication.....	33 94
Expenses of the Editorial Committee of the TRANSACTIONS.....	122 24
Publication of Bulletin (ten numbers).....	1,064 46
Publication of TRANSACTIONS (five numbers).....	2,136 38
Annual Register.....	66 67
Exchange	74
Library	7 25
	<u>\$3,772 81</u>
Balance, Dec. 26th, 1901, cash.....	\$1,247 92
Balance, Dec. 26th, 1901, life membership fund.....	887 18
	<u>\$2,135 10</u>
	<u>\$5,907 91</u>

WM. S. DENNETT,
Treasurer.

NEW YORK, December 27, 1901.

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 dues, initiation fees, life membership commutations and sales of publications, and find the same to be \$5,907.91. We have examined the statement of disbursements, compared it with the vouchers and find the same to be \$3,772.81, leaving a balance of \$2,135.10, of which \$887.18 is in the Institution for the Savings of Merchants' Clerks, \$1,207.77 in the Fifth Avenue Trust Co. (by balance on Dec. 16, 1901, subject to further deposits amounting to \$69.60 and to withdrawals amounting to \$37.40), and \$7.95 in cash on hand.

GUSTAVE LEGRAS,
GEORGE D. OLDS,
Auditing Committee.

NEW YORK, December, 28, 1901.

REPORT OF THE LIBRARIAN FOR THE YEAR 1901.

I have the honor to make the following report concerning the present condition of the library of the Society :

During the past few years the library has increased in size and value by the accumulation of unbound periodicals received in exchange for the *Bulletin* and the *Transactions*. There has been no fund for binding these periodicals and no permanent place of deposit, the library remaining in the custody of the Librarian of the Society.

The desirability of properly caring for the library and of making it available for consultation by members of the Society and others induced the Council to accept the offer of Columbia University resulting in an agreement entered into October 30, 1901, between the Council of the Society and the Trustees of Columbia University.

This agreement provides in brief that the books, periodicals and other printed matter forming the library of the Society shall be deposited in the library of Columbia University. The University agrees to bind, catalogue and care for the library and to keep it as a separate collection to be used only as a reference library by persons other than members of the Society. Members of the Society may borrow the books under regulations to be determined by the Council of the Society and the Librarian of the University. The title to the books remains in the Society and they may be withdrawn from the University upon payment of the initial cost of binding.

In accordance with this agreement the library has been transferred from the personal custody of the Librarian of the Society to the Librarian of Columbia University, the books have been bound in a substantial and economical binding, and the library is now available for reference and loan.

I take this opportunity to recommend to members of the Society that the library be made a depository for mathematical publications, especially those of members of the Society and those which are of interest in a study of the history of mathematics in America. All such matter received will be properly cared for, bound if necessary, catalogued and included in the annual report of the Librarian.

Below is given a complete list of the periodical publications owned by the Society.

- Amsterdam, Genootschap d. Math. Wetenschap, *Wiskundige Op-
gaven*, vol. 5, nos. 2-7 ; vol. 6 ; vol. 7, nos. 2-4, 6 ; vol. 8, no. 4.
- Amsterdam, *Nieuw Archief voor Wiskunde*, 1st series, vols. 1-20 ; 2d
series, vol. 1, nos. 1, 2 ; vol. 3 ; vol. 4, nos. 1, 3 ; vol. 5, no. 2.
- Amsterdam, *Revue Semestrielle des Publications Mathématiques*,
vols. 1-9 ; Index, vols. 1-5.
- Baltimore, *American Journal of Mathematics*, vols. 9-10, 14-23 ;
Index vols. 11-20.
- Berlin, *Fortschritte der Mathematik*, vols. 22-29 ; vol. 30, nos. 1-3.
- Boston, American Academy of Arts and Sciences, *Proceedings*,
1890-1901 ; *Memoirs*, 1901.
- Boston, *Technology Quarterly*, vols. 4-13 ; vol. 14, nos. 1-3.
- Cambridge Philosophical Society, *Proceedings*, vol. 10, nos. 1-7 ;
vol. 11, nos. 1-3 ; *Transactions*, vol. 17, nos. 2, 3 ; vol. 18 ;
vol. 19, no. 1.
- Cambridge, Mass., *Annals of Mathematics*, 1st series, vols. 1-4 ;
vol. 5, nos. 1, 2, 4-6 ; vols. 6-12 ; 2d series, vols. 1, 2 ; vol.
3, nos. 1, 2.
- Caracas, Venezuela, *Annales de la Universidad Central*, vol. 1,
nos. 1, 2.
- Cherbourg, Société nationale des Sciences naturelles et mathé-
matiques, *Mémoires*, vol. 31.
- Chicago, *Astronomy and Astro-Physics*, vol. 11, nos. 107-110 ; vol.
12 ; vol. 13, nos. 121-124, 126-130 ; *Astro-Physical Journal*,
vols. 1-13 ; vol. 14, nos. 1-5.
- Christiania, Videnskabs-Selskabet, *Skrifter, Mathematick-Natur-
videnskabelig Klasse*. 1898-1899 ; 1900, nos. 1-4 ; *Forhand-
linger*, 1898-1899 ; *Ofversigt*, 1898-1899.
- Coimbra, *Journal des Sciencias Mathematicas e Astronomicas*, vols.
9-13 ; vol. 14, nos. 1-5.
- Cracow, Académie des Sciences, *International Comptes Rendus*,
1900, nos. 1-6, 10, *Classe de Sciences mathématiques et natur-
elles*, 1901, nos. 1-7.
- Dublin, Royal Society, *Scientific Transactions*, 2d series, vol. 7,
nos. 1-7 ; *Economic Proceedings*, vol. 1, nos. 1, 2 ; *Scientific
Proceedings*, vol. 9, nos. 1, 2 ; Index to Scientific Proceedings
and Transactions, 1877-1898.
- Edinburgh Mathematical Society, *Proceedings*, vol. 1, nos. 11-18.
- Edinburgh Royal Society, *Proceedings*, vols. 3, 4, 10-12, 15-22 ;
vol. 23, nos. 1-5 ; *Transactions*, vol. 40, pt. 1, nos. 3, 5, 9-11 ;
pt. 2, no. 13.

- Erlangen, Physikalisch-Medicinische Societät, *Sitzungsberichte*, vols. 29, 31.
- Fort Monroe, Va., *Journal of the U. S. Artillery*, vol. 1, nos. 1-3, 5; vol. 2, nos. 1-4; vol. 3, nos. 2-4; vols. 4-15; vol. 16, nos. 1-3.
- Ghent, *Mathesis*, 2d series, vols. 4-10; 3d series, vol. 1.
- Glasgow Philosophical Society, *Proceedings*, vol. 30.
- Göttingen, *Nachrichten, Math. Phys. Klasse*, 1892-1893, 1894, nos. 1-3; 1895-1899; 1900, nos. 1, 3, 4; 1901, nos. 1-4; *Geschäftliche Mittheilungen*, 1894-1899; 1900, no. 1; 1901, no. 1.
- Halifax, Nova Scotian Institute of Science, *Proceedings and Transactions*, vols. 8, 9; vol. 10, nos. 1, 2.
- Ithaca, N. Y., *Journal of Physical Chemistry*, vols. 1-4; vol. 5, nos. 1-9.
- Kansas University, *Quarterly*, vol. 9; vol. 10, nos. 1, 2.
- Kazan, Société Physico-Mathématique, *Bulletin*, 2d series, vols. 1-5; vol. 6, nos. 3-4; vols. 7-9; vol. 10, nos. 1-4; Catalogue of Polish Scientific Literature, vol. 1, nos. 2-3.
- Kharbor, Mathematical Society, *Communications*, 2d series, vols. 5, 6; vol. 7, no. 1.
- Leghorn, *Periodico di Matematica*, vol. 14; vol. 15, nos. 1-6; vol. 16; vol. 17, nos. 1-3; *Supplemento*, vol. 2, nos. 1-9; vol. 3, nos. 1-9; vol. 4, nos. 1-9; vol. 5, nos. 1-2.
- Leipzig, *Archiv der Mathematik*, 3d series, vol. 1; vol. 2, nos. 1-2.
- Leipzig, Deutsche Mathematiker-Vereinigung, *Jahresberichte*, vols. 5-9; vol. 10, no. 2₁, vol. 11, nos. 1-2. Two sets.
- Leipzig, *Mathematische Annalen*, vol. 46; vol. 47, nos. 1-3; vol. 48, nos. 3, 4; vols. 49-54; vol. 55, nos. 1-3.
- Leipzig, Sächsische Gesellschaft der Wissenschaften, Mathematisch-Physische Classe, *Abhandlungen*, vol. 25, no. 1; vol. 26, nos. 1-3, 5-7. *Berichte*, vol. 53, nos. 1-3.
- Leipzig, *Zeitschrift für Mathematik und Physik*, vol. 43, no. 1; vols. 44-46.
- Liege, Société Royal des Sciences, *Mémoires*, 2d series, vols. 19, 20; 3d series, vols. 1, 2.
- Lima, Peru, *Revista de Ciencias*, vol. 1, nos. 3, 5; vol. 3, nos. 1-3, 5-12; vol. 4, nos. 1-10.
- London, *Astronomical Journal*, nos. 265-280, 282-287.
- London, *Educational Times*, vols. 50-53; vol. 54, nos. 1-11; vol. 55, no. 1.

- London, *The Mathematical Gazette*, vol. 1, nos. 15–24 ; vol. 2, nos. 26–30.
- London Mathematical Society, *Proceedings*, vols. 1–32 ; vol. 33, nos. 738–763 ; Index, vols. 1–30.
- London, Royal Society, *Proceedings*, vol. 62, nos. 382–388 ; vols. 63–68 ; vol. 69, nos. 451–453 ; *Philosophical Transactions*, series A, vols. 192, 193.
- Madrid, *Archivo de Matemáticas*, vol. 1 ; vol. 2, nos. 1–8.
- Madrid, Real Academia de Ciencias, *Memorias*, vol. 14, no. 1.
- Manchester Literary and Philosophical Society, *Memoirs and Proceedings*, vols. 41–44 ; vol. 45, nos. 1–3 ; vol. 46, no. 1.
- Marseilles, Faculté des Sciences, *Annales*, vol. 11.
- Mexico, Sociedad Científica Antonia Alzate, *Memorias y Revista*, vols. 5–7 ; vol. 8, nos. 1–8 ; vol. 9, nos. 1–6, 9–10 ; vol. 10 ; vol. 11, nos. 1–8 ; vol. 12 ; vol. 13, nos. 1, 2 ; vol. 14, nos. 1–6, 9–12 ; vol. 15, nos. 1–10 ; vol. 16, no. 1.
- Milan, *Annali di Matematica*, 3d series, vol. 2 ; vol. 3, nos. 1, 2 ; vols. 4, 5 ; vol. 6, nos. 1–3.
- Montpellier, Académie des Sciences et Lettres, *Mémoires*, 2d series, vols. 1, 2 ; vol. 3, no. 1.
- Moscow Mathematical Society, *Sbornik*, vol. 21 ; vol. 22, no. 1.
- Mt. Hamilton, Cal., Lick Observatory, *Publications*, vol. 4, 1900.
- New York, Actuarial Society of America, *Reports*, vols. 1–5 ; vol. 6, nos. 21–24 ; vol. 7, nos. 25, 26.
- New York, New York Mathematical Society, *Bulletin*, vols. 1–3 ; American Mathematical Society, *Bulletin*, vols. 1–7 ; *Transactions*, vols. 1, 2.
- New York, American Physical Society, *Bulletin*, vol. 1, no. 4 ; vol. 2, nos. 1–2.
- Odessa, *Bulletin of Experimental Physics and Elementary Mathematics*, vol. 24 ; vol. 25, nos. 1–5, 8–12 ; vol. 26, nos. 1–4.
- Palermo, Accademia di Scienze, *Atti*, vol. 5.
- Palermo, *Il Pitagora*, vol. 5, nos. 1–3 ; vol. 6, nos. 1–8 ; vol. 7, nos. 1, 2.
- Palermo, *Rendiconti del Circolo Matematico*, vol. 7, no. 6 ; vols. 8, 9 ; vol. 10, nos. 1–4, 6 ; vols. 11–14 ; vol. 15, nos. 1–4.
- Paris, *Journal de Mathématiques*, vols. 3–6 ; vol. 7, nos. 1–3.
- Paris, *L'Intermédiaire des Mathématiciens*, vols. 4–7 ; vol. 8, nos. 1–11.
- Paris, Société Mathématique de France, *Bulletin*, vols. 21–26 ; vol. 27, nos. 3, 4 ; vol. 28 ; vol. 29, nos. 1–3.

- Philadelphia, American Philosophical Society, *Proceedings*, vol. 29, no. 136; vols. 30–39; vol. 40, nos. 165, 166; *Transactions* vol. 20, nos. 1, 2.
- Prague, Gesellschaft der Wissenschaften, *Sitzungsberichte, Math.-Naturwiss. Classe*, 1899–1900.
- Queensland Royal Society, *Proceedings*, vol. 15.
- Rome, Reale Accademia dei Lincei, *Rendiconti*, vol. 9, nos. 1–7.
- San Francisco, Astronomical Society of the Pacific, *Publications*, vols. 1, 2; vol. 3, nos. 13–15; vol. 4, nos. 21–24; vol. 5, nos. 28, 30–32; vols. 6, 7; vol. 8, nos. 46–49, 53; vol. 9; vol. 10, nos. 60–62, 64, 65; vols. 11, 12; vol. 13, nos. 77–81.
- St. Petersburg, Imperial Academy of Sciences, *Bulletin*, 5th series, vol. 12, nos. 2–5; vol. 13, nos. 1–3.
- Springfield, Mo., *American Mathematical Monthly*, vol. 1, nos. 1, 2, 4; vol. 2, nos. 9–10, 12; vols. 4, 5; vol. 6, nos. 1–8, 10–12; vol. 7; vol. 8, nos. 1, 5–12.
- St. Louis, Academy of Sciences, *Transactions*, vol. 5; vol. 6, nos. 1, 2, 8–17; vol. 7, nos. 6–17, 19; vol. 8, nos. 2–12; vol. 9; vol. 10, nos. 1–7, 9–11; vol. 11, nos. 1–9.
- Stockholm, *Acta Mathematica*, vols. 22–24.
- Stockholm, *Bibliotheca Mathematica*, 2d series, vols. 11–13; 3d series, vols. 1–2.
- Stuttgart, *Mathematisch-Naturwissenschaftliche Mitteilungen*, 2d series, vol. 1; vol. 2, nos. 1–3; vol. 3, nos. 1–3.
- Tokio, Mathematico-Physico Society, *Proceedings*, vol. 6, nos. 1, 2; vol. 7; vol. 8, nos. 1–6.
- Toulouse, *Annales de la Faculté des Sciences*, 1st series, vols. 7–12; 2d series, vols. 1–2; vol. 3, nos. 1–2.
- Toulouse, *Bulletin de l'Académie des Sciences, Inscriptions et Belles-Lettres*, vol. 2, nos. 1–4; vol. 3, no. 1.
- Turin, *Rivista di Matematica*, vol. 2; vol. 3, nos. 1–3, 6–12; vols. 4–5; *Revue de Mathématique*, vol. 6; vol. 7, nos. 1–3; *Notations de logique mathématique*; *Formulaire de mathématique*, vol. 1, incomplete; vols. 2, 3.
- Turin, Reale Accademia della Scienze, *Atti*, vols. 30–35; *Index*, vols. 21–30; *Memorie*, 2d series, vols. 48–50.
- Victoria Royal Society, *Proceedings*, new series, vol. 13, no. 2.
- Vienna, *Monatshefte für Mathematik und Physik*, vols. 3–7, 9–12.
- Warsaw, Society of Naturalists, *Travaux*, vols. 1–3; *Comptes Rendus des Assemblées*, vols. 1–10.
- Warsaw, Mathematico-Physical Society, *Bulletin*, vols. 1–8, 10–12.

Württemberg, Mathematisch-Naturwissenschaftlicher Verein, *Mitteilungen*, 2d series, vol. 1 ; vol. 2, nos. 1, 3 ; vol. 3, nos. 1, 3.
Zurich, *Vierteljahrschrift der Naturforschenden Gesellschaft*, vols. 42-46 ; vol. 47, nos. 1, 2.

POMEROY LADUE,
Librarian.

NEW YORK, December 28, 1901.