

SECTION I
SERIAL PUBLICATIONS

- ABHANDLUNGEN über den mathematischen unterricht in Deutschland. *See* Section II of this Catalogue, under INTERNATIONAL COMMISSION ON THE TEACHING OF MATHEMATICS.
- ABHANDLUNGEN zur geschichte der mathematischen wissenschaften mit einschluss ihrer anwendungen, Leipzig.
1-9 as Abhandlungen zur geschichte der mathematik. 1-10 issued as supplements to Zeitschrift für mathematik und physik: v. 22, 24, 25, 27, 34, 37, 40, 42, 44, 45.
3, 6, 7, 12, 13, 17, 19, 20, 22, 24, 25, 28, 1904-10
Heft 19 of the Abhandlungen contained a translation of N. J. LOBATSCHESKY, Imaginäre Geometrie und Anwendung der imaginären Geometrie auf einige Integrale; and Heft 24: JOHANNIS VERNERI [=WERNER] de triangulis sphaericis ed. A. A. BJÖRNBO.
- ACADEMIA das ciencias de Lisboa. *See* JORNAL de ciencias mathematicas, physicas, e naturaes.
- R. ACADEMIA de ciencias exactas, físicas y naturales de Madrid
Discursos leídos
1922
Memorias
14, 20, 22-30, 32, 1890-1929; s2 v1+, 1921+
Revista
16, 1917/18 also as s2 v1+
1+, 1904+
- ACADEMIA polytechnica do Porto, Coimbra
Annaes scientificos. *See* OPORTO. Universidade. Faculdade de ciencias. Anais.
- ACADEMIA scientiarum fennica. *See* SUOMEN tiedeakatemia.
- ACADÉMIE des sciences, Cracow. *See* POLSKA akademija umiejętności.
- ACADÉMIE des sciences, Leningrad. *See* AKADEMIA nauk, Leningrad.
- ACADÉMIE des sciences et lettres de Montpellier
Bulletin
1909-17 as Bulletin mensuel
3-9, 54, 1911-1911-25
Section des sciences
—Mémoires
s2 v1-3, 1893-1907
- ACADÉMIE des sciences, inscriptions et belles-lettres de Toulouse
Bulletin
Continues and is continued by Mémoires
3, 1899-1900||
Mémoires
s10 v1-11, 1901-11
- ACADÉMIE royale des sciences, des lettres et des beaux-arts de Belgique, Brussels (before 1847, Académie royale . . . de Bruxelles)
Annuaire, 1-2, 5, 7-11, 14-15, 18-31, 68-80, 85, 87+, 1835+
Mémoires couronnés et autres mémoires. Collection in 8°.
Continued in classes
Index: 1898-1914. This also indexes the other four Mémoires listed below
60-66, 1900-04||
Mémoires couronnés et mémoires des savants étrangers. Collection in 4°.
Continued in classes
58-62, 1899-1904||
Mémoires de l'Académie
1-19, 1820-45 as Nouveaux mémoires. Continued in classes
s2 v10, 17, 19, 54, 1837-1904||
Classe des sciences
—Bulletins
Suspended 1915-18
Index: 1899-1910; 1911-14
1902-14, 1919+

- ACADÉMIE royale des sciences, des lettres et des beaux-arts de Belgique, Brussels (before 1847, Académie royale . . . de Bruxelles)—*Continued*
 —Mémoires. Collection in 4°
 s2 v1+, 1904+
 —Mémoires. Collection in 8°
 s2 v1+, 1904+
See also Section II of this Catalogue, under ACADÉMIE ROYALE . . . DE BELGIQUE.
- ACADEMY of science of St. Louis
 Officers, Charter, Members, etc.
 1893
 Transactions
 5+, 1886+
- R. ACCADEMIA dei Lincei, Rome. *See* R. ACCADEMIA nazionale dei Lincei, Rome.
- R. ACCADEMIA delle scienze dell' Istituto di Bologna
 Memorie
 Continued as Memorie della Classe di scienze fisiche
 s5 v8-10, 1899-1904; s6 v1-4, 1904-07||
 Rendiconto
 Continued as Rendiconto della Classe di scienze fisiche
 ns v4-11, 1899-1907||
 Classe di scienze fisiche
 —Memorie
 To 1908 *see* the academy's Memorie
 s6 v5-10, 1908-13; s7 v1-10, 1913-22/23; s8 v1+, 1923/24+
 —Rendiconto
 To 1907 *see* the academy's Rendiconto
 ns v12+, 1907+
- R. ACCADEMIA delle scienze di Torino
 Atti
 Continued in two sections: Classe di scienze fisiche, matematiche e naturali and
 Classe di scienze morali, storiche e filologiche
 Index: Every 10th v includes index to preceding 10v
 30-48, 50-62, 1895-1926/27||
 Memorie
 s2 v48-66 (part 1), 1889-1916
 Classe di scienze fisiche, matematiche e naturali
 —Atti
 63+, 1927/28+
- R. ACCADEMIA delle scienze fisiche e matematiche, Naples. (Società reale di Napoli)
 Index: 1737-1903
 Atti
 Suspended 1917-26
 s2 v8-14, 16+, 1899+
 Rendiconto
 s3 v1-18, 20+, 1895+
- R. ACCADEMIA d'Italia
 Classe di scienze fisiche, matematiche e naturali
 —Memorie.
 1+, 1930+
- R. ACCADEMIA di scienze, lettere e belle arti di Palermo
 Annuario 2, 1929-30
 Atti
 s3 v1-9, 1891-1912
- R. ACCADEMIA di scienze, lettere ed arti degli zelanti, Acireale
 Classe di lettere
 —Rendiconti e memorie
 s3 v10, 1917-18; s4 v2, 1927-29
 Classe di scienze
 —Rendiconti e memorie
 s3 v1-2, 1901-03
- R. ACCADEMIA di scienze, lettere ed arti in Modena
 Memorie
 s3 v1-14, 1898-1922; s4 v1+, 1926+
See also Section II of this Catalogue, under R. ACCADEMIA DI SCIENZE . . . MODENA.

- R. ACCADEMIA nazionale dei Lincei
 To JI 1920 as R. Accademia dei Lincei
 Index: 1911-1924
 Rendiconti
 Continued as Rendiconti della Classe di scienze fisiche, and Rendiconti della Classe di scienze morali
 s4 v1-7, 1884-91||
 Classe di scienze fisiche, matematiche e naturali
 —Rendiconti
 s5 v1-33, 1892-1924; s6 v1+, 1925+
- ACCADEMIA pontificia dei nuovi lincei, Rome
 Indice generale, 1913-27
 Annuario
 1929-30
 Atti della pontificia accademia romana dei nuovi lincei
 1-55 as Atti dell'Accademia pontificia dei nuovi lincei
 1, 48+, 1847+
- Memorie
 16-18, 1899-1901
- ACTA mathematica. Upsala.
 Index: 1-35, 1882-1912
 1+, 1882+
- For Appendices, 1884, 1885, *see* BIBLIOTHECA mathematica
See also Section II of this Catalogue, under KOCH, N.F.H. von.
- ACTUARIAL society of America, New York
 Actuarial studies. N. Y.
 no1, 4, 1919
 List of members
 1911
 Papers and transactions. *See* Transactions
 Transactions
 1-6 as Papers and transactions
 1+, 1889+
- See also* Section II of this Catalogue, under ACTUARIAL SOCIETY.
- AIX-Marseille, Université d'
 Faculté des sciences, Marseille
 —Annales
 11-25, 1901-23; s2 v1+, 1921+
- AKADEMIE der wissenschaften, Berlin. *See* K. PREUSSISCHE akademie der wissenschaften, Berlin.
- K. AKADEMIE der wissenschaften, Vienna
 Mathematisch-naturwissenschaftliche klasse
 —Sitzungsberichte
 — —Abt. IIa. (Mathematics and Physics)
 97+ in four series
 108+, 1899+
- K. AKADEMIE van wetenschappen, Amsterdam
 Afdeeling natuurkunde
 —Proceedings of the Section of sciences
 1-30, 1899-1927
 —Verhandelingen; eerste sectie
 13, no4, 1928: Memoir by P. URYSOHN, Mémoire sur les multiplicités cantoriennes. 2e partie: Les lignes cantoriennes.
- AKADEMIJA nauk (soiuzs sovetskikh sotsialisticheskikh respublik), Leningrad
 Bulletin
 s4 v1-4 also as s3 v33-36. From s5 v1 second title in Russian
 s3 v1, 5-32, 1860-88; s4 v1-2, 1890-92; s5 v3-35, 1895-1906; s6 v1-8, 10-21, 1907-1927; s7+, 1928+
- Classe physico-mathématique
 —Mémoires
 s8 v15-17, 1904-06
- AKADEMIJA umiejętności, Krakow. *See* POLSKA akademija umiejętności.

- AMERICAN academy of arts and sciences, Boston
 Memoirs
 ns v12+, 1902+
See also Section II of this Catalogue, under BOWDITCH, N.
- Proceedings
 Includes contributions from specified departments of Harvard University
 9-31 also as ns v1-23
 26+, 1890+
- AMERICAN institute of actuaries
 Record. Springfield, Ill.
 Index: 1-15, 1909-26
 no 1-4, 6-15, 17+, 1909+
 [no 16 has never been printed.]
- Year Book
 1926, 1927, 1928, 1929, 1930
- AMERICAN journal of mathematics. (Johns Hopkins University) Baltimore, Md.
 1-2 as American journal of mathematics pure and applied
 Index: 1-10, 1878-88; 11-20, 1889-98; 1-50, 1878-1928
 1+, 1878+
See also Section II of this Catalogue, under PEIRCE, B.
- AMERICAN mathematical monthly.¹ (Mathematical association of America) Oberlin, O.
 1+, 1894+
See also Section II of this Catalogue, under ARCHIBALD, R. C., CARUS MONOGRAPHS,
 CHACE, A. B., and MATHEMATICAL ASSOCIATION OF AMERICA.
- AMERICAN mathematical society
 Bulletin
 s1 as Bulletin of the New York mathematical society
 Index: 1891-1904, 1904-14, 1914-24
 1-3, 1891-94; s2 v1+, 1894+
- Colloquium publications²
 1+, 1905+
 v1: H. S. WHITE, Linear systems of curves on algebraic surfaces; F. S. WOODS, Forms of non-euclidean space; E. B. VAN VLECK, Selected topics in the theory of divergent series and of continued fractions; New York, 1905.
 v2: E. H. MOORE, Introduction to a form of general analysis; E. J. WILCZYNSKI, Projective differential geometry; M. MASON, Selected topics in the theory of boundary value problems of differential equations; New Haven, 1910.
 v3: G. A. BLISS, Fundamental existence theorems; E. KASNER, Differential-geometric aspects of dynamics, New York, 1913.
 v4: L. E. DICKSON, On invariants and the theory of numbers; W. F. OSGOOD, Topics in the theory of functions of several complex variables; New York, 1914.

¹ This *Monthly*, founded and edited by B. F. Finkel, became the official organ of the Association on its organization in December, 1915.

² This title is applied to a series of volumes, the contents of only some of which were delivered as Colloquium Lectures; the contents of volume 6 were not so delivered. The first volume of the series contains the fourth set of such Lectures; all such later Lectures are included in the series. The three earlier sets were not published as such in book form. Of the first Lectures (at Buffalo, 1896), those of J. Pierpont, on "Galois's theory of equations," were published in *Annals of Mathematics*, s2, v1-2, 1900; and those of M. Bôcher, on "Linear differential equations, and their applications," were partially published in *Regular Points of Linear Differential Equations of the Second Order* (Cambridge, Mass., 1896), and in "Notes on some points in the theory of linear differential equations," *Annals of Mathematics*, v12, 1898. Of the second Lectures (at Cambridge, 1898), those of W. F. Osgood, on "Selected topics in the theory of functions" were published in *Amer. Math. Soc., Bull.*, v5, 1898; and those of A. G. Webster, on "The partial differential equations of wave propagation," were included in a chapter in A. G. Webster, *Partial Differential Equations of Mathematical Physics*, New York, 1927. Of the third set of Lectures (at Ithaca, 1901), those of O. Bolza, on "The simplest type of problems in the calculus of variations" were published in amplified form in his *Lectures on the Calculus of Variations* (Chicago, 1904; reprint 1931); and those of E. W. Brown, on "Modern methods of treating dynamical problems, and in particular the problem of three bodies," were published in abridged form, in *Amer. Math. Soc., Bull.*, v8, 1901.

- AMERICAN mathematical society—*Continued*
v5: pt 1, G. C. EVANS, Functionals and their applications, selected topics including integral equations, New York, 1918. pt 2, O. VEBLEN, Analysis situs, New York, 1922, and 2d ed., 1931.
v6: G. C. EVANS, The logarithmic potential, New York, 1927.
v7: E. T. BELL, Algebraic arithmetic, New York, 1927.
v8: L. P. EISENHART, Non-Riemannian geometry, New York, 1927.
v9: G. D. BIRKHOFF, Dynamical systems, New York, 1927.
v10: A. B. COBLE, Algebraic geometry and theta functions, New York, 1929.
v11: D. JACKSON, The theory of approximation, New York, 1930.
v12: S. LEFSCHETZ, Topology, New York, 1930.
List of members, etc.
1891, 1892, 1894, 1896–1918 (annually), 1920–1930 (biennially), 1931 (supplement to 1930)
Transactions
Index: 1–5 in 5; 1–10 in 10; 11–20 in 20; 21–30 in 30
1+, 1900+
See also Section II of this Catalogue, under AMERICAN MATHEMATICAL SOCIETY, and KLEIN, F.
- AMERICAN philosophical society, Philadelphia
List of surviving members, 1902
Proceedings
29+, 1891+
Transactions
ns v20+, 1902+
See also Section II of this Catalogue, under AMERICAN PHILOSOPHICAL SOCIETY.
- AMERICAN physical society
Bulletin. Ithaca, N. Y.
1–3, 1899–1902||
See also PHYSICAL review.
- AMERICAN society of civil engineers
Proceedings. N. Y.
22+ contains Papers and discussions, separately paged, of all papers subsequently appearing in Transactions in revised form
32–34, 1906–08
Transactions
Index: 1–83, 1867–1920
55+, 1905+
See also Section II of this Catalogue, under AMERICAN SOCIETY OF CIVIL ENGINEERS.
- ANALYST. A journal of pure and applied mathematics. Des Moines, Ia.
Continued as Annals of mathematics
1–10, 1874–83||
- ANNALES de mathématiques pures et appliquées. Paris.
Continued in 1836 by Journal de mathématiques pures et appliquées
1–22, 1810–32||
- ANNALI delle scienze del regno lombardo-veneto. Padua.
1–2, 1831–32
- ANNALI delle università toscane. Pisa.
ns v4–10, 1919–26
- ANNALI di matematica pura ed applicata. Bologna.
Continues Annali di scienze matematiche e fisiche
Index: 1858–97; 1898–1922
s2 v3, 9, 1869–79; s3 v1–31, 1898–1922; s4 v1+, 1923+
- ANNALI di scienze matematiche e fisiche
Index: 1850–57 [Combined with index 1858–97 of previous title.]
- ANNALS of mathematics. Princeton, N. J.
Continues Analyst
Index: 1–12, 1884–1899; s2 v1–12, 1899–1911
1–12, 1884–99; s2 v1+, 1899+
- ARCHIMEDE; rassegna bimestrale di matematica, fisica e ingegneria. (Società universitaria di scienze matematiche) Palermo.
1 no1–5, 1923||
- ARCHIV der mathematik und physik. Leipzig.
s2 v1–17, 1884–1900; s3 v1–24, 1901–16

- ARCHIV for matematik og naturvidenskab. Oslo.
2+ (except v4 no1), 1877+
- ARCHIVES néerlandaises des sciences exactes et naturelles. (Société hollandaise des sciences à Harlem) The Hague.
1-30, 1866-97; s2 v1-15, 1897-1910||
Série 3A. Sciences exactes
1+, 1912+
See also Section II of this Catalogue, under HOLLANDSCHE MAATSCHAPPIJ DER WETENSCHAPPEN.
- ARCHIVO de matemáticas puras y aplicadas. Valencia.
1-2, 1896-99||
- ARKIV för matematik, astronomi och fysik. (K. Svenska vetenskaps-akademien) Stockholm.
Preceded by Svenska vetenskapsakademien, Stockholm, Handlingar, Bihang til Handlingar
1+, 1903+
- ASSOCIATION for the improvement of geometrical teaching
The association was reorganized 1892 as Mathematical association with Mathematical gazette as its official organ
Report
8, 13, 1882, 1887
See also Section II of this Catalogue, under ASSOCIATION FOR THE IMPROVEMENT OF GEOMETRICAL TEACHING.
- ASSOCIATION of mathematical teachers in New England
Joint bulletin. Boston.
Includes Bulletin of the Association of teachers of mathematics for the middle states and Maryland; continued as Mathematics teacher
no1-2, 1907-1908||
- ASSOCIATION of teachers of mathematics for the middle states and Maryland
Bulletin
Continued in Association of mathematical teachers in New England. Joint bulletin
no1-2, 1904-05
- ASTRONOMY and astrophysics. Northfield, Minn.
Superseded by Astrophysical journal
11-13, 1892-94||
- ASTRONOMICAL society of the Pacific, San Francisco
Publications
1+, 1889+
- ASTROPHYSICAL journal; an international review of spectroscopy and astronomical physics. Chicago.
Supersedes Astronomy and astro physics
1+, 1895+
- K. BAYERISCHE akademie der wissenschaften, Munich
Almanach
1909||
Mathematisch-naturwissenschaftliche abteilung
1871-1924 as its Mathematisch-physikalische classe
—Abhandlungen
14-25, 27+, 1881+
—Sitzungsberichte
Index: 1871-85
1881-1912, 1914+
- BELL system technical journal. N. Y.
1+, 1922+
- BERLINER mathematische gesellschaft. Berlin.
Sitzungsberichte
1-18 as supplement to Archiv der mathematik und physik
1+, 1901+
- BIBLIOTHECA mathematica. Leipzig.
Index: 1887-96
1-3, 1884-86; s2 v1-13, 1887-99; s3 v1-14, 1900-1915||
The volumes for 1884 and 1885 were published as Appendices to *Acta Mathematica*
See also Section II of this Catalogue, under JACOBI, C. G. J.
- BOLETÍN matemático. Buenos Aires.
1+, 1928+

- BOLLETTINO di bibliografia e storia delle scienze matematiche. Turin.
 ns20-21 also as s2 v1-2. Continued as *Sezione Storico Bibliografia di Il Bollettino di Matematica*
 1-21, 1898-1919||
- BOLLETTINO di matematica. Florence.
 ns2, with *Sezione Storico-Bibliografia* (continuation of Loria's *Bollettino di Bibliografia e Storia delle Scienze Matematiche*)
 1-17, 1902-21; ns v1+, 1922+
- BRITISH association for the advancement of science, London
 Reports
 29-31, 33, 35, 93+, 1859+
See also Section II of this Catalogue, under BRITISH ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE.
- BROOKLYN
 Polytechnic institute
See POLYTECHNIC engineer.
- BRUENN
 Masarykova universita
 —Přírodovědecká fakulta
 — —Spisy
 1+, 1921+
- BRUSSELS
 Observatoire royal de Belgique
 —Annales
 — —Annales astronomiques
 ns v6, 1887
 —Annuaire astronomique
 1906-07
- BRYN Mawr college, Bryn Mawr, Pa.
 Monographs
 —Reprint series
 8, 1909
- BUCHAREST
 École polytechnique
 —Bulletin de mathématiques et de physiques pures et appliquées
 1+, 1929+
- BUENOS AIRES
 Universidad nacional
 —Seminario matemático argentino
 — —Boletín
 1+, 1928+
- BULLETIN de mathématiques élémentaires. Paris.
 3-13 as Bulletin de sciences mathématiques et physiques élémentaires.
 Merged into Journal de mathématiques élémentaires (Vuibert)
 1-9, 1895-1904
- BULLETIN des sciences mathématiques. (Paris. École pratique des hautes études) Paris.
 1870-76 as Bulletin des sciences mathématiques et astronomiques. 1884+ the astronomical section is continued in Bulletin astronomique
 Index: s2 v1-30, 1877-1906
 1-11, 1870-76; s2 v1-2, 27+, 1877+
- BULLETIN des sciences mathématiques, astronomiques, physiques et chimiques.
See BULLETIN universel des sciences et de l'industrie.
- BULLETIN universel des sciences et de l'industrie. Paris.
 Section 1. Bulletin des sciences mathématiques, astronomiques, physiques et chimiques
 1-16, 1824-31||
- BULLETTINO di bibliografia e di storia delle scienze matematiche e fisiche
 Index: 1-20, 1868-87
 1-20, 1868-87||
- CALCUTTA
 University
 —Dept. of science
 — —Journal
 1+, 1919+

- CALCUTTA mathematical society
Bulletin
1+, 1909+
- CALIFORNIA
University
—Publications in engineering. Berkeley.
v1, no13; F. E. PERNOT and B. M. WOODS, Logarithms of hyperbolic functions
to twelve significant figures, 1918.
—Publications in mathematics. Berkeley.
1+, 1912+
—Scripps institution of oceanography, Publications
v2, no1: G. F. McEWEN, Methods of estimating the significance of differences
in or probabilities of fluctuations due to random sampling, 1929.
See also Section II of this Catalogue, under STAGER, H. W.
- CAMBRIDGE and Dublin mathematical journal. Cambridge, England.
Continued as Quarterly journal of pure and applied mathematics
ns v1-9, 1846-54||
- CAMBRIDGE philosophical society, Cambridge, England
List of fellows 1901, 1920
Proceedings
10+, 1899+
Transactions
17+, 1899+
- CARNEGIE institution of Washington
Publications
9. G. W. HILL, The Collected Mathematical Works of George William Hill. v1-4,
1905-1907;
78. J. B. SHAW, Synopsis of Linear Associative Algebra: A Report on its Natural
Development and the Results reached up to the Present Time, 1907;
86. C. H. F. PETERS, and E. B. KNOBEL, Ptolemy's Catalogue of Stars: A Revision
of the Almagest, 1915;
105. D. N. LEHMER, Factor Table for the First Ten Millions, containing the small-
est factor of every number not divisible by 2,3,5, or 7 between the limits 0 and
10017000, 1909;
120. F. F. DECKER, The Symmetric Function Tables of the Fifteenthic, 1910;
151. H. W. STAGER, A Sylow Factor Table of the First Twelve Thousand Numbers,
giving the possible number of Sylow sub-groups of a group of given order between
the limits of 0 to 12000, 1916;
161. F. R. MOULTON, in collaboration with D. BUCHANAN, T. BUCK, F. L. GRIFFIN,
W. R. LONGLEY, and W. D. MACMILLAN, Periodic Orbits, 1920;
165. D. N. LEHMER, List of Prime Numbers from 1 to 10006721, 1914;
245. H. B. HEDRICK, Interpolation Tables or Tables of Proportional Parts, con-
taining the products to the nearest unit of all numbers from 1 to 100 by each
hundredth from 0.01 to 0.99 and of all numbers from 1 to 1000 by each thou-
sandth from 0.001 to 0.999, 1918;
256. L. E. DICKSON, History of the Theory of Numbers. v1-3, 1919, 1920, 1923;
318. R. W. G. WYCKOFF, The Analytical Expression of the Results of the Theory
of Space-Groups. 2d rev. ed., 1930.
- ČASOPIS pro pěstování matematiky a fysiky. (Jednota československých matematiků a
fysiků v Praze) Prague.
Index: 1-30, 1872-1901
1, 3-25, 27+, 1872+
- CERNĂUȚI, Roumania
Universitatea din Cernăuți
—Facultătea de științe
— —Buletinul
1+, 1927+
- ČESKÁ akademie císaře Františka Josefa pro vědy, slovesnost a umění v Praze.
See ČESKÁ akademie věd a umění v Praze.
- ČESKÁ akademie věd a umění v Praze
1890-1920 as Česká akademie císaře Františka Josefa pro vědy, slovesnost a umění
v Praze
Bulletin international
7+, 1903+

ČESKÁ akademie věd a umění v Praze.—*Continued*

- Vydává
—Třída II: Mathematicko-přírodnická
— — Rozpravy
1+, 1891+
— — Sborník přírodovědecký
1+, 1925+
- ČESKÁ společnost nauk, Prague
Index: 1884–1904
Jahresbericht
1910–12, 1915–17, 1920+
Třída mathematicko-přírodovědecká
—Vestník
1885–1917 have added t-p Sitzungsberichte; 1918+ Mémoires
1899–1902, 1905–06, 1908+
- CHARLOTTENBURG
Physikalisch-technische reichsanstalt
Verzeichnis der veröffentlichungen, Berlin, 1901
- CHICAGO
University
—Decennial Publications
s1 v8 (Astronomy and astrophysics) 1903; v9 (Physics, chemistry, geology,
mathematics) 1904. Among the authors of memoirs in v8–9 are: O. BOLZA,
L. E. DICKSON, K. LAVES, H. MASCHKE, E. H. MOORE, F. R. MOULTON.
- CHRISTIAAN Huygens; internationaal mathematisch tijdschrift. Groningen.
1+, 1921+
- CINCINNATI, Ohio
University
—Bulletin
no13, s2 v2, K. WEIERSTRASS, H. HANCOCK, Lectures on the theory of maxima
and minima of functions of several variables, 1903. These lectures are “for the
most part a reproduction” of lectures by Weierstrass.
—Bulletin of mathematics
no1, H. HANCOCK, Lectures on the calculus of variations, 1904.
- CIRCOLO matematico, Palermo
Index: no2–5, 1909–14
no5 indexes Rendiconti, v1–37, and Supplemento, v1–8
Annuario
1898, 1900, 1904–12, 1914, 1928
Rendiconti
1+, 1884+
Supplemento
1–8, 1906–13
See also Section II of this Catalogue, under CIRCOLO MATEMATICO
- COAST artillery journal. (U. S. coast artillery school, Fort Monroe, Va.)
1–56, 1892–Je 1922 as Journal of the United States artillery
1–70, 1892–1929
- COLORADO mathematical society
Biennial calendar
no2, 1907–09
- COLUMBIA university, New York, N. Y.
Ernest Kempton Adams fund for physical research
—Publications
1. V. BJERKNES, Fields of force, 1906; 3. M. PLANCK, Eight lectures on theoretical
physics [delivered in 1909], 1915; 4. C. RUNGE, Graphical methods, 1912; 5. J.
HADAMARD, Four lectures on mathematics [delivered in 1911], 1915; 6, 8. R. W.
WOOD, Researches in physical optics, parts 1–2, 1913–19; 7. W. WIEN, Neuere
Probleme der theoretischen Physik, 1913; 10. R. DODGE, Elementary condi-
tions of human variability, 1927.
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- JAPANESE journal of mathematics. (National research council of Japan) Tokyo.
1+, 1924+
- JAPANESE journal of physics. (National research council of Japan) Tokyo.
1+, 1922+
- JASSY, Roumania
Universitate
—Annales scientifiques
11+, 1921+
- JEDNOTA československých matematiků a fyziků v Praze. Prague.
Bibliografické zpravy
1+, 1927+
- Sbornik. Prague. 1–11, 13–16, 18+, 1898+. 1–11 as Jednota českých matematiků, Sbornik; 13–16 as Jednota . . . matematiků a fyziků, Sbornik. [This is a series of treatises:
1. E. WEYR, Projectivná geometrie, 1898;
 2. F. KOLÁČEK, Hydrodynamika, 1899;
 3. F. J. STUDNIČKA, Úvod do nauky o determinantech, 1899;
 4. Č. STROUHAL, Mechanika, 1901;
 5. E. WEYR, Počet diferenciální, 1902;
 6. Č. STROUHAL, Akustika, 1902;
 7. F. J. STUDNIČKA, Úvod do analytické geometrie v rovině, 1902;
 8. J. KOLOUŠEK, Mathematická theorie důchodů jistých a půjček annuitních, 1904;
 9. F. KOLÁČEK, Elektřina a magnetismus, 1904;
 10. J. SOBOTKA, Deskriptivní geometrie promítání paralelního, 1906;
 11. Č. STROUHAL, Thermika, 1908;
 13. K. PETR, Počet integrální, 1915;
 14. B. KUČERA, Nástin geometrické optiky a základů fotometrie, 1915;
 15. Č. STROUHAL and V. NOVÁK, Optika, 1919;
 16. K. PETR, Počet diferenciální (část analytická), 1923;
 18. E. ČECH, Projektivní diferenciální geometrie, 1926.]
- Výroční zpráva . . .
1905–06, 1925–29
- See also* ČASOPIS pro pěstování matematiky a fyziky, ROZHLEDY matematicko přírodovědecké, and Section II of this Catalogue, under KAVÁN, J.
- JERUSALEM
Universitas
—Scripta Universitatis atque Bibliothecae hierosolymitanarum
— —Mathematica et physica
1, 1923||
- JORNAL de ciencias mathematicas e astronomicas. (Academia polytechnica do Porto) Coimbra.
Continued as the society's Annaes scientificos
9–15, 1889–1902||
- JORNAL de ciencias mathematicas, physicas, e naturaes. (Academia das ciencias de Lisboa) Lisbon.
1–8, 1866–82
- JOURNAL de mathématiques élémentaires. (de Longchamp) Paris.
1877–79 as Mathématiques élémentaires; 1880–81 Journal de mathématiques élémentaires et spéciales. 1882–1901 issued in 2 parts: Journal de mathématiques élémentaires and Journal de mathématiques spéciales
1–23, 25, 1877–1900
- JOURNAL de mathématiques élémentaires. (Vuibert) Paris.
8–21, 1883–97
- JOURNAL de mathématiques pures et appliquées. Paris.
No s8 v1 was published
s3 v6, 1880; s5 v1–6, 8–10, 1895–1904; s6 v1–10, 1905–14; s7 v1–4, 1915–18; s8 v2–4, 1919–21; s9 v4+, 1925+
- JOURNAL de mathématiques spéciales. Paris. *See* Journal de mathématiques élémentaires. Paris.

- JOURNAL des géomètres-experts. Bray-sur-Seine.
1-2, 9-25, 1893-1917
- JOURNAL für die reine und angewandte mathematik. Berlin.
Index: 1-100; 101-110; 111-120; 121-130; 131-140; 141-160
1-13, 20+, 1826+
- JOURNAL of mathematics and physics. (Massachusetts institute of technology) Cambridge, Mass.
1+, 1921+
- JOURNAL of physical chemistry. Ithaca, N. Y.
1-16, 1896-1912
- JUGOSLAVENSKA akademija znanosti i umjetnosti, Zagrab
[Catalogue of publications], 1867-1911
Ljetopis
28-29, 1914-15
Matematičko-prirodoslovni razred
—Rad
49-54, 56, 58, 1911-15
- JUNTA para ampliación de estudios é investigaciones científicas. *See under* SPAIN.
- KANSAS university quarterly. Devoted to the publication of the results of research by members of the University of Kansas. Lawrence.
Superseded by Kansas university science bulletin
sA v9-10, 1900-01||
- KANSAS university science bulletin. Devoted to the publication of the results of research by members of the University of Kansas. Lawrence.
Preceded by Kansas university quarterly
1-10, 1902-17
- KAZAN
Universitet
—Fiziko-matematicheskoe obshchestvo
— —Izvestiia [Bulletin]
s2 v1-18, 19 no1-2, 23-25, 1891-1925; s3 v1+, 1926+
See also Section II of this Catalogue, under KAZAN, UNIVERSITET.
- KHAR'KOF
Universitet
—Khar'kovskoe matematicheskoe obshchestvo
— —Soobshcheniia. Kharkof.
s1 as its Soobshcheniia i protokoly; s3 Uchenye zapiski nauchno-issledovatel'skikh kafedr. Otdel matematicheskii (Annales scientifiques des institutions mathématiques savantes de l'Ukraine).
1-9, 1879-87; s2 v1-16 no2, 1888-1918; s3 v1-3, 1924-28; s4 v1+, 1927+
- KIEF
Universitet Sv. Vladimira
—Universitetskii izviestii
43-53, 54 no1-5, 1903-14
- KOENIGSBERGER gelehrte gesellschaft
Naturwissenschaftliche klasse
—Schriften [Mathematical memoirs only]
1+, 1924+
- KÖZÉPISKOLAI matematikai és fizikai lapok. Budapest.
2+, 1925+
- LADIES' diary. *See* LADY'S and gentleman's diary.
- LADY'S and gentleman's diary. London.
1-137, 1704-1840 as Ladies' diary (title varies); in 1841 united with Gentleman's diary
112-132, 134-137, 144, 147-151, 168, 1815-71||
- LA PLATA
Universidad nacional
—Facultad de ciencias físico-matemáticas
— —Contribución al estudio de las ciencias físicas y matemáticas
— — —Serie matemático-física
v1 no1-4 as Serie física
1+, 1914+
— — —Serie técnica
v1+, 1915+
— — —Memorias
no56

LA PLATA—*Continued*

— —Textos y conferencias

no80: R. G. LOYARTE, Física general, 2d ed., v1, 1927 [this is really a new ed. of no49b, 1922]; no85: E. ARTAZA, Saneamientos urbanos y rurales en la Republica Argentina (v2 of Provisión de agua y desagües urbanos), 1928; no87: J. ARAMBURO, Determinaciones de tempo y latitud con el altazimut gautier y el telescopio zenital wanschaff del observatorio astronómico de la Plata, 1929.

[Note: Publicaciones no [8], [10], [11], [12], 15, 16, 17, 18, 21, 22, 23, 24, 25, 28, 29, 31, 32, 35, 36, 37, 38, 41, 42, 43, 46, 47, 49, 51, 52, 53b, 56, 58, 63, 65, 67, 68, 71, 73, 74, 75, 77, 79, 80, 82, 85, 87, 91, are distributed in the list above.]

LENINGRADSKOE fiziko-matematicheskoe obshchestvo

Zhurnal

1-2, 1926/27-29 [Probably no more to be published]

LEOPOLDINISCH-Carolinische deutsche akademie der naturforscher. *See* K. DEUTSCHE akademie der naturforscher zu Halle.

LICK observatory, Mount Hamilton, Cal.

Contributions

2-5, 1891-95||

Publications

1-8, 10-11, 1887-1903

LONDON mathematical society

Journal

1+, 1926+

List of members

1865-99 (printed 1900)

Annual lists: 1897-1901, 1903-08, 1911, 1919, 1921

Proceedings

Index: 1-30, 1865-99; 31-35, 1899-1903; s2 v1-30, 1903-1930

1-35, 1865-1903; s2 v1+, 1903+

LUND, Sweden

Universitet

—Acta universitatis lundensis. Lunds universitets årsskrift

— —Afdelning 2. Medicin samt matematiska och naturvetenskapliga ämnen [Mathematical memoirs only]

23+

MANCHESTER literary and philosophical society, Manchester, England

Memoirs and proceedings

37+, 1892+

MARSEILLES

Université d'Aix-Marseille. *See under* AIX-Marseille.

MASSACHUSETTS institute of technology

Abstracts of scientific and technical publications

4+, 1929+

See also JOURNAL of mathematics and physics, and TECHNOLOGY quarterly and proceedings of the Society of arts.

MATEMATICA elementare. Rome.

1-3, 1922-1924||

MATEMATICHE pure ed applicate. Città di Castello.

1-2, 1901-03||

MATEMATICHESKÏ listok. Reval.

1-2 no 1-8, 1915-16.

MATEMATICHESKÏ sbornik. (Moskovskoe matematicheskoe obshchestvo) Moscow.

Index: 1-15, 1866-1891

1-29, 30 no1-3, 31+, 1866+

See also Section II of this Catalogue, under MOSKOVSKOE MATEMATICHESKOE OBSHCHESTVO.

MATEMATIKAI és physikai lapok. (Magyar tudományos akadémiá, Budapest.) Budapest.

8-13, 15+, 1899+

MATEMATIKAI és természettudományi értesítő. (Magyar tudományos akadémiá, Budapest.) Budapest.

4, 6, 11, 18, 32, 37+, 1885+

MATEMATIKAI és természettudományi közlemények, vonatkozólag a hazai viszonyokra (Magyar tudományos akadémiá, Budapest.) Budapest.

2-5, 7-13, 15-19, 28, 30+, 1863+

- MATEMATISK tidsskrift. (Matematisk forening i Kjøbenhavn) Copenhagen.
Continues Nyttidsskrift for matematik
—A. (Elementary)
1+, 1919+
—B. (Advanced)
1+, 1919+
- MATEMATICA. (Cluj. Universitatea. Seminarul de matematici)
1+, 1929+
See also Section II of this Catalogue, under KLAUSENBURG UNIVERSITY.
- MATHEMATICAL association, London. *See* MATHEMATICAL gazette.
- MATHEMATICAL association of America.
List of members
1916, 1919, 1922, 1926, 1927, 1929
See also AMERICAN mathematical monthly.
- MATHEMATICAL gazette. (Mathematical association) London.
Continues Association for the improvement of geometrical teaching. Report
no1-6, 1894-95; (ns) v1+, 1896+
See also Section II of this Catalogue, under MATHEMATICAL ASSOCIATION, LONDON.
- MATHEMATICAL magazine. (Martin) Washington.
v2 no1-12, 1890-1904
- MATHEMATICAL monthly. Cambridge, Mass.
1-3, 1858-1861||
- MATHEMATICAL notes: a review of elementary mathematics and science. (Edinburgh mathematical society) Edinburgh.
1+, 1909+
- MATHEMATICAL repository. (Leybourn) London.
s2 v1-5, 1806-30
- MATHEMATICAL review. (Story) Worcester, Mass.
1, 1896-99||
This volume consists of two numbers (182 pages, 1896-7) and part of a third (pp. 183-208+3 plates, 1899) which is a Clark University dissertation: W. G. BULLARD, On the general classification of plane quartic curves. The other Clark University dissertations published in the *Review* are J. E. HILL, On quintic surfaces, 1896, pp. 1-59; T. F. NICHOLS, On some jacobians, 1896, pp. 60-80; L. E. DOWLING, On the forms of plane quintic curves, 1897, pp. 97-119+2 plates.
- MATHEMATICAL visitor. (Martin) Erie, Pa.
v1, 1878-81. v1 no1 is 2d ed.
- MATHEMATICS teacher. (Association of teachers of mathematics for the Middle States and Maryland) Syracuse, N. Y.; etc. Continuation of Association of mathematics teachers in New England, Joint bulletin. Since 14 (1921) this periodical has been the official journal of the National Council of Teachers of Mathematics
Index 14-22 in 23
1+, 1908+
- MATHEMATISCH-naturwissenschaftliche mitteilungen. (Mathematisch-naturwissenschaftlicher verein in Württemberg) Stuttgart.
4-5 as the society's Mitteilungen. Suspended 1893-Mr 1899
1-5, 1884-92; s2 v1-16, 1899-1914
- MATHEMATISCHE annalen. Berlin.
Index: 51-80, 1899-1919; 81-100, 1920-1928
14-15, 31-39, 41+, 1879+
See also Section II of this Catalogue, under RICCI, G.
- MATHEMATISCHE gesellschaft in Hamburg
Mitteilungen
2+, 1890+. v2 contains Festschrift, edited by the Hamburg Mathematical Society, on the occasion of its bicentenary jubilee festival of 1890. The third part of this volume of the *Mitteilungen* contains: Katalog der auf Hamburger Bibliotheken vorhandenen Literatur aus der reinen und angewandten Mathematik und Physik. The 1. Nachtrag was published in 1894; 2. Nachtrag in 1906; and 3. Nachtrag in 1913.
- MATHEMATISCHE und naturwissenschaftliche berichte aus Ungarn. Budapest.
1-31, 34+, 1882+
- MATHEMATISCHE zeitschrift. Berlin.
Index: 1-25 in 25
1+, 1918+

- MATHESIS:** recueil mathématique. Brussels.
 Also numbered in series of 10v each. Suspended 1916–20. Since 1921 this periodical has been the official organ of La Société Mathématique de Belgique.
 1–34, 36+, 1881+
- “**MATHESIS**” Società italiana di matematica
 Bollettino
 1–12 as Bollettino dell’ Associazione “Mathesis.” Merged into Periodico di matematica per l’insegnamento secondario
 v1 no1; v2 no2; v3 no3; v9 no1, 2–3–4, 5–6 [p. 37–66 only; p. 67–91 missing], 1896–1906
- MESSENGER** of mathematics. Cambridge; London.
 1–5, 1861–71 as Oxford, Cambridge, and Dublin messenger of mathematics. United with Quarterly journal of pure and applied mathematics to form Quarterly journal of mathematics, Oxford series
 1–5, 1861–71; ns v1–58, 1871–1929 ||
- MICHIGAN**
 University
 —Studies
 — —Humanistic series
 v11: Contributions to the History of Science, part 1, Robert of Chester’s Latin translation of the Algebra of AL-KHOWARIZMI with an introduction, critical notes and English version by L. C. KARPINSKI, New York, 1915.
 — —Scientific series
 v2: W. B. FORD, Studies on divergent series and summability, New York, 1916.
- MINUVSHTE** gody. Leningrad.
 1908
- MONATSHEFTE** für mathematik und physik. (Vienna. Universität. Mathematisches seminar) Vienna.
 Index: 1–10, 1890–99 in 10; 11–20, 1900–09 in 20
 1+, 1890+
- MONIST**, a quarterly magazine devoted to the philosophy of science. Chicago.
 Index: 1–17, 1890–1907
 1–7, 9–27, 30–33, 35+, 1890+
- MOSCOW**
 Universitet
 —Otdiel fiziko-matematicheskii
 — —Uchenyfa zapiski. [Physico-Mathematical Gazette]
 1, 4–11, 13–27, 1880–1912 ||?
- NATIONAL** academy of sciences, Washington
 Memoirs
 v14, no2, 1919, H. S. WHITE, F. N. COLE, L. D. CUMMINGS, Complete classification of the triad systems on fifteen elements; v7 no1, 1924, W. W. CAMPBELL, Simon Newcomb; R. C. ARCHIBALD, Simon Newcomb, 1835–1909, Bibliography of his life and work; v17 no7, 1924, G. C. COMSTOCK, Benjamin Anthonp Gould.
- NATIONAL** research council
 Bulletin. Washington.
 v5, part 3, 1923, L. E. DICKSON, H. H. MITCHELL, H. S. VANDIVER, and G. E. WAHLIN, Algebraic numbers, Report of the Committee on algebraic numbers; v7, part 3, 1923, E. P. ADAMS, The quantum theory, 2d ed.
 See also Section II of this Catalogue, under KNOPF, A.
- NATURE.** London.
 127+, 1931+
- NATURFORSCHENDE** gesellschaft, Zurich
 Vierteljahrsschrift
 Index: 41–50, 1896–1905
 34+, 1889+
- NAUKOVE** tovaristvo imeni Shevchenka, Lemberg
 German title: Ukrainische Ševčenkogesellschaft der wissenschaften; Polish: Naukowe towarzystwo imienia Szevczenka
 Chronik
 17–44, 49+, 1904+
 Matematichno-prirodopisno-lkarska sektsiâ (math.-naturw.-arzt. sektion)
 —Zbïrnik (Sammelschrift)
 9+, 1903+

- NEW York mathematical society. *See* AMERICAN mathematical society.
- NIEUW archief voor wiskunde. (Wiskundig genootschap te Amsterdam) Amsterdam.
1-20, 1875-93; s2 v1+, 1894+
- NIEUW tijdschrift voor wiskunde. Groningen.
1+, 1913/14+
- NIPPON sūgaku-buturigakkwai, Tokyo
1884-1918 as Tokyo sūgaku-buturigakkwai
Kizi
Title varies. English title as Tokyo mathematico-physical society, later Physico-mathematical society of Japan. s2 v1-3 carry no series number
1-9, 1884-1901; s2 v1-9, 1901-18; s3 v1+, 1919+
- NORSK matematisk forening, Oslo
Skrifter
no1+, 1921+
See also NORSK matematisk tidsskrift, and Section II of this Catalogue under LIE, S.
- NORSK matematisk tidsskrift. (Norsk matematisk forening) Oslo.
1+, 1919+
- NORSKE videnskaps-akademi, Oslo
1857-1911 as Videnskabs-selskabet i Kristiania; 1912-24 spelled Videnskaps-selskapet
Årbok
Supersedes Oversigt over videnskabs-selskabets møter which was published in its Forhandlingler
1+, 1925+
Forhandlingler
Continued as Avhandlingler, Matematisk-naturvidenskapelig klasse, and Avhandlingler, Historisk-filosofisk klasse
1898-99, 1901-1924||
Oversigt over . . . møter
Issued with and indexed in its Forhandlingler
1898-1924||
Matematisk-naturvidenskapelig klasse
—Avhandlingler
Supersedes the Forhandlingler i Videnskabs-selskabet i Christiania
1+, 1925+
—Skrifter
1898+
- NOUVELLE correspondance mathématique. Brussels.
Continued as Mathesis
1-6, 1874-80||
- NOUVELLES annales de mathématiques, journal des candidats aux écoles polytechniques et normales. Paris.
1855-61 includes Bulletin de bibliographie, d'histoire et de biographie mathématiques
Index: 1-s2 v7 in s2 v7
1-20, 1842-61; s2 v1-18, 1862-79; s4 v3-20, 1903-20
- NOVA Scotian institute of science, Halifax
Proceedings and transactions
s2 v1-2, 7, 15, 16, 1890-1926
- NOVOROSSIŖSKOE obščestvo estestvoispytatelej, Odessa
Zapiski [Mémoires]
Index: 1-30, 1872-1907
20, 25-29, 34-36, 1902-11
- NYT tidsskrift for matematik. Copenhagen.
In two sections: A, Elementary; B, Advanced. Continues Tidsskrift for matematik, and Maanedsskrift for den elementaere matematik. Continued as Matematisk tidsskrift.
sA, B, v11-29, 1900-19||
- OBSERVATOIRE royal de Belgique. *See under* BRUSSELS.
- OPEN court, a monthly magazine. Chicago.
Index: 1-20, 1887-1906
11-31, 34+, 1897+
- OPORTO, Portugal
Universidade
—Faculdade de ciencias

- OPORTO, Portugal—*Continued*
 — —Anais
 1-14, 1905-22 as Academia polytechnica do Porto, Coimbra. Annaes scientificos. Suspended 1922-26
 1-14, 1905-22
- OPUSCOLI matematici e fisici di diversi autori. Milan.
 1-2, 1832-34||
- OREGON
 University
 —Publications
 v2 no2: W. E. MILNE, Damped vibrations, 1923; v2 no8: L. L. SMALL, History and synopsis of the theory of summable infinite processes, 1925.
- OXFORD, Cambridge and Dublin messenger of mathematics. *See* MESSENGER of mathematics.
- PADUA
 Università
 —Seminario matematico
 — —Rendiconti
 1+, 1930+
- PARIS
 École polytechnique
 —Journal
 1 as Journal polytechnique, ou Bulletin du travail fait à l'École centrale des travaux publics
 Index: c1-64, 1795-1894
 Cahiers 1-64, 1795-1894; s2 c1+, 1895+
 See also Section II of this Catalogue, under CAUCHY, A. L.
- PENNSYLVANIA
 University
 —Publications
 — —Series in mathematics
 no1-3, 1897-1905||
 All of these monographs are doctoral dissertations. no1, 1897, contains R. J. ALEY, Contributions to the geometry of the triangle; P. R. HEYL, Properties of the locus $r = \text{constant}$, in space of n dimensions. no2, 1902, B. S. EASTON, The constructive development of group-theory, with a bibliography. no3, 1905, L. I. NEIKIRK, Groups of order p^m which contain cyclic subgroups of order p^{m-2} .
- PERIODICO di matematiche: storia-didattica-filosofia. (Associazione Mathesis) Bologna
 Continues Periodico di scienze matematiche e naturali per l'insegnamento secondario.
 1-s3 v15 as Periodico di matematica per l'insegnamento secondario
 s1 v6-13, 1891-98; s2 v1-5, 1899-1903; s3 v1-15, 1904-18; s4 v4+, 1924+
 —Supplement
 2-19, 1898-1916
 On the initiative of the Associazione "Mathesis" was held a congress the report of which, reprinted from the *Periodico*, is in the Library: Atti del primo congresso dei professori di matematica delle scuole secondarie. Livorno, 1899.
 See also "MATHESES" Società italiana di matematica, Bollettino.
- PHYSICAL review, a journal of experimental and theoretical physics. (American physical society) Minneapolis.
 16-35, 1903-12; s2 v1+, 1913+
- PHYSIKALISCH-medicinische societät zu Erlangen
 Sitzungsberichte
 25-46, 48+, 1893+
- PHYSIKALISCH-technische reichsanstalt. *See under* CHARLOTTENBURG.
- PISA
 Scuola normale superiore
 —Annali
 — —Scienze fisiche e matematiche
 Index: 1-16
 1-16, 1871-1931; s2, 1+, 1932+
- PITAGORA; giornale di matematica . . . Palermo.
 2-21, 1896-1915; s2 v1-3 no1, 1917-18||

- POLSKA akademija umiejętności, Krakow
 Bulletin international. Comptes rendus des séances
 Continued as Bulletin international . . . Classe des sciences mathématiques et naturelles
 1900||
 Komisya bibliograficzna
 —Katalog literatury naukowej polskiej
 1–10, 1901–10
 Wydział matematyczno-przyrodniczy (Classe des sciences mathématiques et naturelles)
 —Bulletin international
 1901–1909||
 — —sA: Sciences mathématiques
 1910–12, 1914+
 —Comptes-rendus mensuels des sciences mathématiques et naturelles
 no1+, 1929+
See also Section II of this Catalogue, under POLSKA AKADEMIA UMIEJĘTNOŚCI.
- POLSKIE towarzystwo matematyczne, Krakow
 Rocznik
 1921 as its Rozprawy
 1+, 1921+
 —Dodatek do Annales, 1929, Księga Pamiątkowa Pierwszego
 Polskiego Zjazdu Matematycznego, Lwow, 7–10. ix. 1927.
 —Dodatek [Supplement]
 [1], 2–4, 1922–29
- POLYTECHNIC engineer (Engineering society of the college of arts and engineering of the
 polytechnic institute of Brooklyn)
 1901–1905
- PONTIFICIA accademia romana dei Nuovi Lincei. *See* ACCADEMIA pontificia dei nuovi lincei.
- POPULAR astronomy. A review of astronomy and allied sciences. (Carleton college, North-
 field, Minn. Goodsell observatory) Northfield, Minn.
 Index: 1–16
 1+ [except v6 no9, Nov. 1898], 1893+
- PRACE matematyczno-fizyczne. Warsaw.
 1+, 1888+
- K. PREUSSISCHE akademie der wissenschaften, Berlin
 Abhandlungen [mathematical memoirs only]
 1892–1908
 Monatsberichte
 Preceded by the society's Bericht. Continued as its Sitzungsberichte
 Index: 1836–58; 1859–73; 1874–81
 1857–81||
 Sitzungsberichte
 Supersedes the academy's Monatsberichte. Continued in classes
 1882–1921||
 Physikalisch-mathematische klasse
 —Abhandlungen
 1909+
 —Sitzungsberichte
 1922+
See also Section II of this Catalogue, under JACOBI, C. G. J.
- K. PREUSSISCHE geodätische institut
 Veröffentlichungen
 8, 1886; ns v10, 11, 52, 1902–12
- PROGRESO matemático. Saragossa.
 1–5, 1891–95; s2 v1–2, 1899–1900||
- QUARTERLY journal of mathematics. Oxford series. Oxford.
 Formed by the union of Messenger of mathematics and Quarterly journal of pure and
 applied mathematics
 1+, 1930+
- QUARTERLY journal of pure and applied mathematics. London.
 Continues Cambridge and Dublin mathematical journal. United with Messenger of
 mathematics to form Quarterly journal of mathematics, Oxford series
 1–50, 1857–1927||

- RADIO review; a monthly record of scientific progress in radiotelegraphy and telephony. London.
v1-2, 1919-21
- RASSEGNA di matematica e fisica. (Istituto G. Ferraris) Rome.
2-7, 1921-1927||
- RENNES
Université
—Travaux scientifiques
1-6, 7-17, 1902-24
- REPERTORIUM der literarischen arbeiten aus dem gebiete der reinen und angewandten mathematik. Leipzig. [Edited by L. KOENIGSBERGER and G. ZEUNER.]
1-2, 1877-79||
- REVISTA de ciencias. (Lima. Escuela de ingenieros) Lima.
1-15, 1897-1912
- REVISTA de matemáticas y físicas elementales. Buenos Aires.
1-5, 1919-1924||
- REVISTA matematica din Timișoara. Timișoara.
1-2, 1921-23
- REVISTA matemática hispano-americana. (Sociedad matemática española) Madrid.
Continues Revista de matemáticas
1-2, 5-7, 1919-25; s2 v1+, 1926+
- REVISTA trimestral de matemáticas. Saragossa.
1-6, 1901-06||
- REVUE de mathématiques spéciales. Paris.
25-29 never published
1-20, 22+, 1890+
- REVUE des questions scientifiques. (Société scientifique de Bruxelles) Louvain.
s4 v7+, 1925+
- REVUE générale des sciences pures et appliquées. Paris.
Index: 1-25 in 25
13+, 1902+
- REVUE semestrielle des publications mathématiques. (Société mathématique d'Amsterdam) Groningen.
Index: 1-5; 6-10; 11-15; 16-20; 21-25; 26-30
1+, 1893+
- See also Section II of this Catalogue, under MANNOURY, G.
- RICE institute of liberal and technical learning, Houston, Tex.
Rice institute pamphlets
v1 no2: V. VOLTERRA, Henri Poincaré, 1915; E. F. E. J. BOREL, Molecular theories and mathematics, 1915; v4 no1: E. F. E. J. BOREL, Aggregates of zero measure, 1917; E. F. E. J. BOREL, Monogenic uniform non-analytic functions, 1917; V. VOLTERRA, The generalization of analytic functions, 1917; V. VOLTERRA, On the theory of waves and Green's method, 1917; v7 no4: G. C. EVANS, Fundamental points of potential theory, 1920; V. VOLTERRA, Functions of composition, 1920; v8 no1: H. A. WILSON, Gravitation and the ether, 1921; P. J. DANIELL, The integral and its generalizations, 1921; v9 no3: J. S. HADAMARD, The early scientific work of Henri Poincaré, 1922; v14 no4: S. MANDELBROJT, Modern researches on the singularities of functions defined by Taylor's series, 1927; v16 no4: H. WEYL, Mathematical lectures, 1929.
- See also Section II of this Catalogue, under RICE INSTITUTE.
- RIVISTA di fisica, matematica e scienze naturali. (Società cattolica italiana per gli studi scientifici) Naples.
Publication suspended 1913-O 1926
1-26, 1900-12; s2 v1+, 1926+
- RIVISTA di matematica. Turin
6-7 as Revue de mathématiques (Rivista di matematica). Title page of v8 as Rivista di matematica
Index: 1-5 in 5
1-8, 1891-1906
—Supplement. See FORMULARIO matematico.
- Rome
Università
—Facoltà di scienze
— —Seminario matematico

Rome—*Continued*

- — —Rendiconti delle sedute
3 never published
1-2, 4-6, 1914-22
- ROYAL Dublin society
 - Scientific proceedings
Index: 1-8, 1877-98; 9-11, 1898-1909
ns v1+, 1877+
 - Scientific transactions
Index: 1-6, 1877-98; 7-9, 1898-1909
s2 v1-9, 1877-1909||
- See also* Section II of this Catalogue, under ROYAL DUBLIN SOCIETY.
- ROYAL Irish academy, Dublin
 - Index: 1786-1906
 - Proceedings
sA v24+, 1902+
- ROYAL philosophical society of Glasgow
 - 1-32 as Proceedings of the Philosophical society of Glasgow
30, 1898-99
- ROYAL society of Edinburgh
 - Proceedings
3-4, 10-12, 15+, 1850+
 - Transactions
37+, 1891+
- ROYAL society of London
 - Philosophical transactions
—sA
v192+, 1899+
 - Proceedings
76+ in two series: A, containing papers of a mathematical or physical character;
B, containing papers of a biological character.
62-74, 1888-1904
 - sA
76+, 1905+
 - Year-book
1-2, 1896-98
 - International catalogue committee. *See* INTERNATIONAL catalogue of scientific literature.
 - See also* Section II of this Catalogue, under ROYAL SOCIETY OF LONDON.
- ROYAL society of Queensland. Brisbane.
 - Proceedings
15-19, 21-22, 1900-09
- ROZHLEDY matematicko přírodovědecké. (Jednota československých matematiků a fysiků v Praze) Prague.
 - Appeared as pt of Časopis pro pěstování matematiky a fysiky, v22-50; v30, ns v1+
as Supplement (přílohy)
ns v4+, 1925+
- K. SÄECHSISCHE akademie der wissenschaften, Leipzig
 - Mathematisch-physische klasse
—Abhandlungen
12+, 1883+
 - Berichte
26+, 1874+
- SARAGOSSA
 - Universidad
—Facultad de ciencias
— —Anales
1-2, 1907-08
- SCHOOL mathematics. Chicago.
 - Continues School science, Mathematical supplement
v1, no1-2, Jan-Mar 1904||
- SCHOOL science and mathematics. Chicago.
 - 1-4 as School science
3+, 1903+

- SCHOOL science and mathematics. Chicago.—*Continued*
 Mathematical supplement
 Continued as School mathematics
 v1, no 1-3, 1903||
- SCIENCE. Cambridge, Mass.; N. Y.; etc.
 1901+ includes the official proceedings and most of the papers of the American association for the advancement of science
 ns v1+, 1895+
- SCRIPPS institution of oceanography. *See under* CALIFORNIA. University.
- SEMINARIO matemático argentino. *See under* BUENOS AIRES. Universidad nacional.
- SENDAI, Japan
 Tōhoku teikoku daigaku
 —Science reports
 — —s1. Mathematics, physics, chemistry
 Index: 1-10, 1912-21
 1+, 1912+
- ŠEVČENKO-gesellschaft der wissenschaften, Lemberg. *See* NAUKOVE tovaristvo imeni Shevchenka, Lemberg.
- SIMFEROPOL
 Tavricheskii universitet. *See* TAVRICHESKII universitet.
- SMITHSONIAN institution
 Annual report of the Board of regents
 1885-87, 1889-90, 1895-1903, 1905+
 Smithsonian miscellaneous collections
 v71, no1, F. E. FOWLE, Smithsonian physical tables, reprint of 7th rev. ed., 1921;
 v74, no1, Smithsonian mathematical formulae and tables of elliptic functions by
 E. P. ADAMS, G. GREENHILL and R. L. HIPPISLEY, 1922.
See also Section II of this Catalogue, under BECKER, G. F.
- SOCIEDAD científica "Antonio Alzate", Mexico
 Memorias
 Cover title: Memorias y revista
 Index: 1-27 in 27
 2-45, 48+, 1888+
- SOCIEDAD científica argentina, Buenos Aires
 Annales
 55+, 1903+
See also Section II of this Catalogue, under SOCIEDAD CIENTÍFICA ARGENTINA.
- SOCIEDAD matemática española, Madrid
 Revista
 Continued in Revista matemática hispano-americana
 1-6 no52, 1911-1917||
 —Suplemento
 no1-3, 1917
- SOCIETÀ delle XL (Società italiana delle scienze)
 Annuario
 1922, 1927
 Memorie di matematica e di fisica. Rome.
 s3 v1-2, 12+, 1867+
- SOCIETÀ italiana delle scienze. *See* SOCIETÀ delle XL.
- SOCIETÀ italiana per il progresso delle scienze, Rome
 Atti
 1, 1908
- SOCIETÀ universitaria di scienze matematiche, Palermo. *See* ARCHIMEDE.
- SOCIÉTÉ des naturalistes de la Nouvelle Russie. *See* NOVOROSSIIKOE obshchestvo éstestvoispytatelei, Odessa.
- SOCIÉTÉ des sciences physiques et naturelles de Bordeaux
 Index: 1850-1900
 Mémoires
 s4 v1-5, 1893-95; s5 v1-5, 1896-1901; s6 v1-4, 1901-1908; s7 v2, 1918; v3 no1, 1923
 Procès-verbaux
 1850/51-93/94 in the society's Mémoires
 1894-1921
See also Section II of this Catalogue, under SOCIÉTÉ DES SCIENCES PHYSIQUES ET NATURELLES DE BORDEAUX.
- SOCIÉTÉ mathématique de Belgique. *See* MATHESIS.

- SOCIÉTÉ mathématique de France, Paris
 Bulletin
 1+, 1872+
 Comptes rendus
 Earlier years in its Bulletin. 1915 for members only
 1912-14, 1916+
See also Section II of this Catalogue, under SOCIÉTÉ MATHÉMATIQUE DE FRANCE.
- SOCIÉTÉ mathématique de Grèce
 Bulletin. Athens.
 1+, 1919+
- SOCIÉTÉ nationale des sciences naturelles et mathématiques de Cherbourg
 Mémoires
 Also numbered in series of 10v each
 31-32, 34-38, 1897-1912
- SOCIÉTÉ philomathique de Paris
 Bulletin
 s9 v1-10, 1898-1908; s10 v1+, 1909+
- SOCIÉTÉ polonaise de mathématique, Cracow. *See* POLSKIE towarzystwo matematyczne.
- SOCIÉTÉ royale des sciences de Liège
 Mémoires
 s2 v19-20, 1897-98; s3 v1+, 1899+
- SOCIÉTÉ scientifique de Bruxelles
 Annales. Louvain
 Suspended 1914-19. Continued in 5 series
 Index: 1875-1901; 1902-26
 26-46, 1902-26||
 —sA. Sciences mathématiques
 47+, 1927+
 —sB. Sciences physiques et naturelles
 47+, 1927+
- SPAIN
 Junta para ampliación de estudios é investigaciones científicas
 —Laboratorio y seminario matemático
 — —Publicaciones. Madrid.
 1-2, 1916-18
- SPHINX-Œdipe. Nancy.
 1-11, 1906-16
- STRASBOURG
 Université
 —Institut de mathématiques
 — —Publications
 3-4, 6, 7, 8, 1922-29
- STUDIA mathematica. Lemberg.
 1+, 1929+
- SUOMALAISEN tiedeakatemia, Helsingfors. *See* SUOMEN tiedeakatemia.
- SUOMEN tiedeakatemia, Helsingfors
 Esitelmät ja pöytäkirjat
 1908-12 have German title: Sitzungsberichte der Finnischen akademie der wissenschaften, and articles are in German; 1913+ articles in German, English or French
 1908-1925
 Toimituksia [Annales]
 —sA
 1+, 1909+
- SVENSKA vetenskapsakademien, Stockholm
 Handlingar [Mathematical parts only]
 55, 57, 58, 60, 61, 63, 65; s3 v1-2, 4, 6, 7
 —Bihang til Handlingar
 — —Afdelning I
 Continued as Arkiv för matematik, astronomi och fysik
 12-28, 1887-1902||
 Öfversegt af . . . förhandlingar
 A collection of mathematical and astronomical mémoires from 1865-1895
- SZEGED
 Tudomány-egyetem
 —Acta litterarum ac scientiarum

- SZEGED**—*Continued*
 — —Sectio scientiarum mathematicarum
 1+, 1922+
- TASHKENT**
 Sredne-aziatskii gosudarstvennyi universitet
 —Biulletin'
 French title: Bulletin de l'Université de l'Asie centrale
 10-15, 1925-27
- TAVRICHESKII universitet**
 Matematicheskafâ laboratorifâ
 —Protokoly. Simferopol. [Proceedings of the Mathematical Laboratory of the Crimean University]
 1-3, 1919-21 ||
 Only 30 copies published
- TECHNOLOGY** quarterly and proceedings of the Society of arts. Boston.
 S 1887-D 1891 as Technology quarterly. 8-14 include Review of American chemical research, 1-7, Ap 1895-D 1901 (separately paged except in v8)
 4-21, 1891-1908 ||
- TÔHOKU** imperial university, Sendai. *See under SENDAI.*
TÔHOKU mathematical journal. Sendai.
 Index: 1-10 in 10; 11-20 in 20; 21-30 in 30
 1+, 1911+
- TOKYO** mathematico-physical society. *See NIPPON sūgaku-buturigakkwai*, Tokyo.
- TORONTO**
 University
 —Mathematical and physical society
 — —Papers read
 1, 1891
- TOULOUSE**
 Université
 —Faculté des sciences de Toulouse
 — —Annales
 1-12, 1887-98; s2 v1-10, 1899-1908; s3 v1+, 1909+
- TURIN**
 Università
 —Osservatorio astronomico
 — —Osservazioni meteorologiche
 1901
- UKRAÏN'SKA** akademifâ nauk. *See VSEUKRAÏN'SKA akademifâ nauk*, Kief.
- UNIONE** matematica italiana
 Bollettino. Bologna.
 1+, 1922+
- UNITED STATES** army ordnance department. *See Section II* of this Catalogue, under BENNETT, A. A.
- UNITED STATES** bureau of education
 Bulletin
 1912, no29: D. E. SMITH and C. GOLDZIER, Bibliography of the teaching of mathematics; 1918, no9: D. E. SMITH and C. E. SEELY, Union list of mathematical periodicals; 1919, no58: G. L. SWIGGETT, Commercial engineering; 1921, no6: G. F. ZOOK and S. P. CAPEN, Opportunities for study at American graduate schools, 1921; 1924, no18: L. G. SIMONS, Introduction of algebra into American schools in the eighteenth century.
See also INTERNATIONAL commission on the teaching of mathematics.
- UNITED STATES** coast and geodetic survey
 Special publications
 28. O. S. ADAMS, Application of the theory of least squares to the adjustment of triangulation, 1915; 52. O. S. ADAMS, Lambert projection tables for the United States, 1918; 53. O. S. ADAMS, General theory of the Lambert conformal conic projection, 1918; 57. O. S. ADAMS, General theory of polyconic projections, 1919; 59. W. BOWIE and O. S. ADAMS, Grid systems for progressive maps in the United States, 1919; 60. O. S. ADAMS, A study of map projections in general, 1919; 67. O. S. ADAMS, Latitude developments connected with geodesy and cartography, with a table for equal-area meridional projection, 1921; 68. C. H. DEETZ and O. S. ADAMS, Elements of map projection with applications to map and chart construction, 1921; 74. C. V. HODGSON, Utah-Washington arc of precise triangulation, 1921; 75. O. S. ADAMS, Radio-compass bearings, 1921; 76. O. P. SUTHERLAND, Triangulation in Massachusetts, 1922; 77. H. G. AVERS, Precise levelling in Texas,

UNITED STATES coast and geodetic survey—*Continued*

1922; 78. C. L. GARNER, Precise triangulation in Texas, Rio Grande arc, 1922; 79. C. A. MOURHES and J. S. BILBY, Precise traverse and triangulation in Indiana, 1922; 80. W. D. LAMBERT, An investigation of the latitude of Ukiah, Calif., and of the motion of the pole, 1922; 84. H. C. MITCHELL and E. W. EICKELBERG, California-Oregon arc of precise triangulation, 1922; 86. C. A. MOURHES and W. D. SUTCLIFFE, Precise traverse, Racine, Wis. to Vandalia, Ill., 1922; 91. H. C. MITCHELL, Use of geodetic control for city surveys, 1923; 92. W. BOWIE, Study of time errors in precise longitude determinations by the U. S. Coast and Geodetic Survey, 1923; 93. J. S. BILBY, Reconnaissance and signal building, 1923; 95. H. G. AVERS, Precise levelling in Georgia, 1923; 99. W. BOWIE, Isostatic investigations and data for gravity stations in the United States established since 1915, 1924; 100. W. D. LAMBERT, Effects of variations in the assumed figure of the earth on the mapping of a large area, 1924; 101. W. D. SUTCLIFFE and H. G. AVERS, Precise triangulation and leveling in North Carolina, 1924; 103. J. W. MCGUIRE, Geographic dictionary of the Virgin Islands of the United States, 1925; 104. W. BOWIE, Geodetic operations in the United States and outlying possessions, January 1, 1922, to December 31, 1923, 1924; 106. W. BOWIE, Earth movements in California, 1924; 109. G. D. COWIE and E. A. ECKHARDT, Wireless longitude, 1924; 110. S. BEALL, Astronomic determinations by United States Coast and Geodetic Survey and other organizations, 1925; 112. O. S. ADAMS, Elliptic functions applied to conformal world maps, 1925; 114. H. C. MITCHELL, Triangulation in Maryland, 1925; 120. C. V. HODGSON, Manual of first-order triangulation, 1926; 122. H. G. AVERS, First-order leveling in Oregon, 1926; 129. D. L. PARKHURST, Geodetic level and rod, 1927; 130. O. S. ADAMS, Tables for Albers projection, 1927; 134. W. BOWIE, Geodetic operations in the United States, January 1, 1924, to December 31, 1926, 1927; 137. C. M. DURGIN and W. D. SUTCLIFFE, Manual of first-order traverse, 1927; 138. W. F. REYNOLDS, Manual of triangulation computation and adjustment, 1928; 140. H. G. AVERS, Manual of first-order leveling, 1929; 145. C. V. HODGSON, Manual of second and third order triangulation and traverse, 1929; 151. W. BOWIE, Comparison of old and new triangulation in California, 1928; 153. O. S. ADAMS, Conformal projection of the sphere within a square, 1929; 156. H. C. MITCHELL, Triangulation in Hawaii, 1930; 158. J. S. BILBY, Bilby steel tower for triangulation, 1929; 159. O. S. ADAMS, The Bowie method of triangulation adjustment as applied to the first-order net in the western part of the United States, 1930; 160. O. S. ADAMS, Triangulation in Colorado, 1927 datum, 1930; 161. H. S. RAPPLEYE, First-order leveling in Hawaii, 1929; 164. W. F. REYNOLDS, First-order triangulation in southeast Alaska, 1930; 169. H. S. RAPPLEYE, First-order leveling in Alaska, 1930; 171. C. H. SWICK, World longitude determinations by the United States Coast and Geodetic Survey in 1926, 1931; 172. H. S. RAPPLEYE, First-order leveling in New Jersey, 1931.

See also Section II of this Catalogue, under UNITED STATES COAST AND GEODETIC SURVEY.

UNITED STATES navy department

Hydrographic office. Washington.

—Publications. no171: Line of position tables for working sight of heavenly body for line of position by the cosine-haversine formula, Marcq Saint Hilaire method, 1916.

Naval observatory. Washington.

—Nautical Almanac office

— —Ephemeris and nautical almanac
1917+

— —Astronomical papers
1-8, 1882-1905

— —Publications

s2 v1-7, 9, 10 (part 2, Appendix)+, 1900+

UNIVERSITÉ de l'Asie centrale. See under TASHKENT.

UNTERRICHTSBLÄTTER für mathematik und naturwissenschaften. (Verein zur förderung des mathematischen und naturwissenschaftlichen unterrichts) Berlin.

1-33, 1895-1927

UPSALA

Universitet

—Årsskrift

1901-11, 1923

1923, no3 was T. CARLEMAN, Sur les équations intégrales singulières à noyau réel et symétrique.

See also Section II of this Catalogue, under SÖDERBLOM, A.

- VEREIN für mathematik und naturwissenschaften in Ulm a.D.
Mittelungen
1888–1907/08 as the society's Jahreshefte
9–13, 1899–1907
- VIESTNIK opytної fiziki i elementarної matematiki. Odessa.
24–25, 26 no1–4, 27 no1–2, 28 no1, 30 no3, 33 no9, 36 no10, 39 no9–10, 1901–08
- VIDENSKABS-selskab, Oslo. *See* NORSKE videnskaps-akademi, Oslo.
- VORONEZH
Universität
—Trudy . . . Acta Universitatis voronegiensis (olim juriensis-dorpatensis)
Text in Russian with résumés in German
1–3, 5, 1925–26, 1929.
- VRIEND der wiskunde. Culemborg.
1–31, 1886–1916||
Supplement
1–5, 25, 1887–1913||
- VSEUKRAÏNS'KA akademija nauk, Kief
Fizichno-matematichnij vidij
—Trudy [Mémoires]
1+, 1923+
—Zapiski [Bulletin]
1+, 1923+
- WARSAW
Universität
—Obshchestvo estestvoispytatelej [Société des naturalistes]
—Trudy [Travaux]
1–3, 1891–95||
- WARSAWSKIE towarzystwo politechniczne
Sprawozdania i prace. [Comptes rendus.] Warsaw.
1, 1921–22
- WASHINGTON (State)
University
—Publications in mathematics and physical science
v1 no1, 3, 1915–20
- WESTERN Australian astronomical society
Proceedings
1, 1914||
- WIADOMOŚCI matematyczne. Warsaw.
1–23, 1897–1919
- WISKUNDIG genootschap, onder de zinspreuk: "Een onvermoeide arbeid komt alles te boven," Amsterdam
Verslag van de 148e algemeene vergadering, 1927
- WISKUNDIG tijdschrift. Haarlem.
1–3, 7–10, 15–16, 1904–20
- WISKUNDIGE opgaven met de oplossingen. (Genootschap der mathematische wetenschap-
pen; Wiskundig genootschap te Amsterdam) Groningen.
1–4 as Wiskunstige opgaven met hare ontbindingen
Index: 1875–1910
4, 1870–74; s2 v1+, 1875+
- WISKUNSTIGE opgaven met hare ontbindingen. *See* WISKUNDIGE opgaven met de oplos-
singen.
- ZEITSCHRIFT für angewandte mathematik und mechanik. Berlin.
1+, 1921+
- ZEITSCHRIFT für mathematik und physik. Leipzig.
3–13, 18–21, 30, 32–64, 1858–1917||
Supplement. *See* ABHANDLUNGEN zur geschichte der mathematischen wissenschaften ...
- ZEITSCHRIFT für mathematischen und naturwissenschaftlichen unterricht. (Verein zur
förderung des unterrichts in der mathematik und den naturwissenschaften) Leipzig.
Subtitle varies. Includes the society's Mitteilungen, 1892–1909
13–31, 1882–1900
- ZEITSCHRIFT für vermessungswesen. (Deutscher geometerverein) Stuttgart.
31–44, 49+, 1902+