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NBS MONOGRAPH 57

**Periodicals Received
in the Library of the
National Bureau of Standards
July 1962**



**U.S. DEPARTMENT OF COMMERCE
NATIONAL BUREAU OF STANDARDS**

THE NATIONAL BUREAU OF STANDARDS

Functions and Activities

The functions of the National Bureau of Standards are set forth in the Act of Congress, March 3, 1901, as amended by Congress in Public Law 619, 1950. These include the development and maintenance of the national standards of measurement and the provision of means and methods for making measurements consistent with these standards; the determination of physical constants and properties of materials; the development of methods and instruments for testing materials, devices, and structures; advisory services to government agencies on scientific and technical problems; invention and development of devices to serve special needs of the Government; and the development of standard practices, codes, and specifications. The work includes basic and applied research, development, engineering, instrumentation, testing, evaluation, calibration services, and various consultation and information services. Research projects are also performed for other government agencies when the work relates to and supplements the basic program of the Bureau or when the Bureau's unique competence is required. The scope of activities is suggested by the listing of divisions and sections on the inside of the back cover.

Publications

The results of the Bureau's research are published either in the Bureau's own series of publications or in the journals of professional and scientific societies. The Bureau itself publishes three periodicals available from the Government Printing Office: The Journal of Research, published in four separate sections, presents complete scientific and technical papers; the Technical News Bulletin presents summary and preliminary reports on work in progress; and Basic Radio Propagation Predictions provides data for determining the best frequencies to use for radio communications throughout the world. There are also five series of nonperiodical publications: Monographs, Applied Mathematics Series, Handbooks, Miscellaneous Publications, and Technical Notes.

A complete listing of the Bureau's publications can be found in National Bureau of Standards Circular 460, Publications of the National Bureau of Standards, 1901 to June 1947 (\$1.25), and the Supplement to National Bureau of Standards Circular 460, July 1947 to June 1957 (\$1.50), and Miscellaneous Publication 240, July 1957 to June 1960 (includes Titles of Papers Published in Outside Journals 1950 to 1959) (\$2.25); available from the Superintendent of Documents, Government Printing Office, Washington 25, D.C.

Publications Received in the Library
of the National Bureau of Standards
July 1962

Natalie J. Hopper



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Periodicals Received in the Washington Library of the National Bureau of Standards, July 1962

Natalie J. Hopper

This publication lists alphabetically the periodicals, both American and foreign, that are currently being received in the Washington (D.C.) Library of the National Bureau of Standards. Approximately 2,000 titles are cited, together with call numbers indicating the location of each in the NBS Washington Library. Although this information was compiled primarily for the use of the Bureau's scientific staff, it is also of value to libraries, scientific and technical organizations, and research workers.

1. Introduction

The National Bureau of Standards carries on research and development in physics, chemistry, applied mathematics and various fields of engineering. Much of the research program is directed toward new and improved standards required by advances in science and industry. Measurement techniques and instrumentation required to utilize these standards must also be developed. Other important activities are the determination of fundamental physical constants and the basic properties of materials, and the provision of specialized technical services for other Federal agencies.

To effectively conduct a technical program of this scope, the Bureau's scientific staff must have ready access to a good technical library. The NBS Washington (D.C.) Library has a collection of over 100,000 bound volumes, including periodicals and books for loan and reference. An additional collection relating to the Bureau's work in radio propagation and cryogenic engineering is maintained in the NBS Boulder (Colo.) Library.

The NBS Washington Library currently receives about 2,000 different periodicals. Although the listing that follows has been compiled primarily to inform the Bureau staff of currently received periodicals, it is believed that the references given will be useful to librarians, and research workers.

2. Alphabetical List

The titles are arranged in alphabetical order as they are shelved; those beginning with the letters A to I at the east end of the Library, and J to Z at the west end. The arrangement of the titles is the same as the entries in the main catalog for

bound volumes. For example:

1. Proceedings, transactions, journals, etc., of associations, societies, and academies are listed under the name of the organization—
American Chemical Society.
Journal.
2. Publications of universities are under the name of the university—
Michigan University. Engineering Experiment Station. Bulletin.
3. Public institutions are listed by country if national, and by city if local—
Great Britain. Department of Scientific and Industrial Research. Building Research. Building science abstracts.

Madrid. Laboratorio Central de Ensayo de Materiales de Construcción. Publicaciones.

The call number preceding the titles indicates the shelf location of the bound volumes. The call number is added to the shelf tag of the current issues when the first volume is bound and classified.

The following notations have been made on the list:

"Ref." has been added to the call number when the set is shelved in the reference collection and is not circulated.

* indicates issues are sent to another NBS section. In some cases bound volumes are filed in another section also. Check main catalog for complete information.

[] indicates an incomplete volume. Consult card catalog or a member of the Library staff for more detailed information.

A

- AEI engineering (Associated Electrical Industries Ltd.), London. vol. 1, No. 1, Jan. 1961 +
- APL digest (Applied Physics Laboratory, Johns Hopkins University). vol. 1, No. 1, Sept./Oct. 1961 +
- ARS journal (American Rocket Society), New York. [1947] No. 76-85, 1949-51; *new series*, vol. 21, 1951 +
- ASHRAE journal (American Society of Heating, Refrigerating and Airconditioning Engineers), New York. vol. 1, 1959 +
- ATB métallurgie (Association pour l'Encouragement à l'Union des Revues Techniques Belges) Mons, Belgium. vol. 1, No. 7, 1959 +
- A.T.E. journal (Automatic Telephone & Electric Co.) Liverpool, England. vol. 9, 1953 +
- A.W.A. technical review (Amalgamated Wireless (Australasia) Ltd.), Sydney, Australia. vol. 1, 1935 +
- Aachen. Rheinisch-Westfälische Technische Hochschule. Institut für Textiltechnik. Mitteilungen, vol. 1, 1951-52 +
- Academia de Ciencias Exactas, Fisico-Químicas y Naturales de Zaragoza. Revista, vol. 1-3, 1946-48; vol. 5, 1950 +
- Academia Republicii Populare Romine, Bucharest. Centrul de Cercetari Metalurgice. Studii si cercetari de metalurgie, vol. 4, No. 1, 1959 +
- Institutul de Chimie. Studii si cercetari stiintifice chimie, vol. 7, 1956 +
- Institutul de Energetica. Studii si cercetari de energetica, vol. 1, 1951 +
- Institutul de Fizica. Studii si cercetari de fizica, vol. 7, 1956 +
- Institutul de Matematica. Studii si cercetari matematice, vol. 11, no. 1, 1960 +
- Institutul de Mecanica Aplicata "Traian Vuia." Studii si cercetari de mecanica aplicata. *Scattered issues.*
- Academia Republicii Populare Romine. Filiala Iasi. Studii si cercetari stiintifice. Chimie, vol. 11, No. 1, 1960 +
- Studii si cercetari stiintifice. Fizica si stiinte tehnice, vol. 11, No. 1, 1960 +
- Académie des Sciences, Paris. Comptes rendus, vol. 80, 1875 +
- Académie Polonaise des Sciences, Warsaw. Bulletin. Classe troisième, vol. 5, 1957. *Continued in three series:*
- Bulletin. Série des sciences chimiques, géologiques et géographiques, vol. 6, 1958 +
- Bulletin. Série des sciences mathématiques, astronomiques et physiques, vol. 6, 1958 +
- Bulletin. Série des sciences techniques, vol. 6, 1958 +
- Académie Royale de Belgique. Classe des Sciences. Bulletin, vol. 26, 1940 + (*unbound.*)
- Mémoires, vol. 20, 1942/45 + (*unbound.*)
- Academy of Sciences of Athens. Research and Computing Center. Contributions. Series I (Astronomy), No. 1, 1959 +
- Accademia delle Scienze di Torino. Classe di Scienze Fisiche, Matematiche e Naturali. Atti, vol. 40, 1904-05 +
- Accademia Nazionale dei Lincei, Rome. Classe di Scienze Fisiche, Matematiche e Naturali. Memorie. Sez. Ia (Matematica, meccanica, astronomia, geodesia e geofisica), ser. 8, vol. 1, 1946 +
- Memorie. Sez. IIa (Fisica, chimica, geologia, paleontologia e mineralogia), ser. 8, vol. 1, 1947 +
- Accademia Nazionale dei Lincei, Rome. Classe di Scienze Fisiche, Matematiche e Naturali. Rendiconti, ser. 5, vol. 14, 1905 +
- Acier-Stahl-Steel, Brussels. vol. 1, 1932 +
- Acoustical Society of America, New York. Journal, vol. 1, 1929 +
- Acoustical Society of Japan. Journal, vol. 8, 1952 +
- Acta chemica scandinavica, Copenhagen. vol. 1, 1947 +
- Acta crystallographica, Copenhagen. vol. 1, 1948 +
- Acta electronica, Paris. vol. 1, 1956 +
- Acta mathematica, Budapest. vol. 1, 1950 +
- Acta mathematica, Stockholm. vol. 1, 1882 +
- Acta metallurgica, Toronto. vol. 1, 1953 +
- Acta physica, Budapest. vol. 1, 1951-52 +
- Acta physica austriaca, Vienna. vol. 1, 1948 +
- Acta physica polonica, Warsaw. vol. 1, 1932 +
- Acta polytechnica, Stockholm, No. 1-240, 1947-57. *Continued in 6 series:*
- Acta polytechnica Scandinavica. Chemistry including metallurgy series (Ch), No. 1, 1958 +
- Civil engineering and building construction series (Ci), No. 1, 1958 +
- Electrical engineering series, No. 1, 1958 +
- Mathematics and computing machinery series, No. 1, 1958 +
- Mechanical engineering series, No. 1, 1958 +
- Physics including nucleonics series, No. 1, 1958 +
- Acta radiologica, Stockholm. vol. 39-45 [46] 47, 1953 +
- Acta scientiarum mathematicarum, Szeged, Hungary. vol. 14, 1951 +
- Acta technica, Budapest. vol. 28, 1960 +
- Acta technica, Prague. vol. 6, No. 1, 1961 +
- Acustica, Zürich. vol. 1, 1951 +
- Adhesives age, New York. vol. [1-2] 3, 1958 +
- Adhesives and resins, London. vol. 1-8, 1953-60. *Ceased publication.*
- Administrative management (formerly Office management). (*Current issues only.*)
- Administrative science quarterly, Ithaca, N.Y. vol. 1, No. 1, June 1956 + (*unbound.*)
- Advanced management—Office executive, New York (formerly Office executive). (*current issues only.*)
- Advancement of science; the report of the British Association for the Advancement of Science, London. vol. 1, 1939 +
- Advances in physics; a quarterly supplement of the Philosophical magazine, London. vol. 1, 1952 +

TL501 Aeronautical quarterly, London. vol. 1, 1949 +
.A4
TL501 Aeronautics, London. vol. 10-21, 1916-21; vol. 44, No. 3, July 1961 +
.A55
TL501 Aeroplane, London. vol. 16, 1919 +
.A552
TL501 Aero/space engineering, New York (*formerly* Aeronautical engineering review). vol. 1, 1942 +
.A326
TL555 Aerospace medicine, St. Paul (*formerly* Journal of aviation medicine). vol. 20, 1959 +
.J6
TL504 Aerotecnica, Rome. vol. 1-20, 1920-40; vol. 26, 1946 +
.A36
***** Air conditioning, heating and refrigeration news, Detroit. (*Current issues only.*)
TH7201 Air conditioning, heating and ventilating, New York. vol. 15, 1918 +
H4 Air University periodical index, Maxwell Air Force Base, Alabama. vol. 6, No. 4, 1953/55 +
 Air University quarterly review, Maxwell Air Force Base, Alabama. vol. 10, No. 2, 1958 +
TL501 Aircraft engineering, London. vol. 1-14, 16-25, 27, 1929 +
.A5615 Airlift, world air transportation, Washington, D.C. (*formerly* American aviation). (*Current issues only.*)
Q46 Aix-Marseillé. Université. Faculté des Sciences. Annales, vol. 15-25, 1905-22 (*bound*); ser. 2, vol. [13], 1940 + (*unbound*)
.M3 Akademie der Wissenschaften, Berlin. Monatsberichte, vol. 1, No. 1, 1959 +
QD1 Akademie der Wissenschaften, Berlin. Klasse für Chemie, Geologie und Biologie. Abhandlungen, 1955 +
.A335 —Sitzungsberichte, No. 1, 1956 +
QA1 Akademie der Wissenschaften, Berlin. Klasse für Mathematik, Physik und Technik. Abhandlungen, 1939 +
.A4 —Sitzungsberichte, 1880 +
Q49 Akademie der Wissenschaften, Göttingen. Mathematisch-Physikalische Klasse. Biologisch-Physiologisch-Chemische Abteilung. Nachrichten, 1946 +
.A4 Akademie der Wissenschaften, Vienna. Mathematisch-Naturwissenschaftliche Klasse. Sitzungsberichte, vol. 113, 1904 +
QA1 Akademie van Wetenschappen, Amsterdam. Proceedings. . . , vol. 1-53, 1899-1950. *Continued in 3 sections:*
.A422 —Proceedings, Series A: Mathematical sciences, vol. 54, 1951 +
Q49 —Proceedings, Series B: Physical sciences, vol. 54, 1951 +
.A5 —Proceedings, Series C: Biological and medical sciences, vol. 54, 1951 +
Q57 —Afdeeling Natuurkunde. 1. Sectie. Verhandelingen, vol. 14, 1931 +
.A561 Akademiet for de Tekniske Videnskaber, Copenhagen. Beretning, No. 1, 1939 +
Q57 Akustische Beihefte, Zurich. No. 1, 1951 +
.A53 Alabama Polytechnic Institute. Engineering Experiment Station. Bulletin, No. 1, 1930 +
T4 Alberta. Research Council. Annual report, 1st, 1920 +
.A45 Algiers. Université. Publications scientifiques, Ser. A: Mathématiques, vol. 1, 1954 +
QC221 —Publications scientifiques, Ser. B: Physiques, vol. 1, 1955 +
.A25 Allgemeine Elektrizitätsgesellschaft, Berlin. AEG Mitteilungen, vol. 1, 1905 +
TA416

TK1
.A41
TK1
.A26
TK1
.A68

—AEG progress, vol. 2-13, 1926-37, [1938-55] 1956 +
Allis-Chalmers electrical review, Milwaukee, Wis. vol. 1, 1936 +
Allmänna Svenska Elektriska Aktiebolaget, Vasteras. ASEA journal, vol. 1, 1924 +
—ASEA research, No. 1, 1958 +
—ASEA revue, vol. 1, 1928 +
—ASEAs tidning, vol. 1, 1909 +
Alluminio, Milan. vol. 1-9 [10] 11, 13-14, 16, 1932 +
Alta frequenza, Milan. vol. 1, 1932 +
Aluminium, Berlin. vol. 9, 1927 +
Aluminium Development Association, London. Research report, No. 15, 1953 +
Aluminum Company of America. Aluminum Research Laboratories. Technical paper, No. 1, 1938 +
American Bibliographic Service, Darien, Conn. Quarterly check-list of geophysics, 1962 +
—Quarterly check-list of mathematics, 1962 +
—Quarterly check-list of physics, vol. 1, 1960 +
American builder, Chicago. (*Current issues only.*)
American Ceramic Society. Bulletin, vol. 1, 1922 +
—Ceramic abstracts, vol. 1, 1922 +
—Journal, vol. 1, 1918 +
American Chemical Society, Washington, D.C. Journal, vol. 1, 1879 +
American city, New York. (*Current issues only.*)
American Concrete Institute, Detroit. Journal, vol. 1, 1929 +
—Proceedings, vol. 1, 1905 +
American documentation, Washington, D.C. vol. 1-5, 1950-54; vol. 9, 1958 +
American dyestuff reporter, New York. vol. 7-10, 1920-22; vol. 12, 1923 +
American Geophysical Union, Washington, D.C. Transactions, vol. 26, 1945 +
American Institute of Architects, Washington, D.C. Journal, vol. 1, 1944 +
American Institute of Chemical Engineers, Richmond. A.I.Ch.E. journal, vol. 1, 1955 +
American Institute of Electrical Engineers, New York. Transactions, vol. 1-70, 1884-1951. *Then see also:*
 Communications and electronics (Trans. Pt. I).
 Applications and industry (Trans. Pt. II).
 Power apparatus and systems (Trans. Pt. III).
 All: vol. 71, 1952 +
American Institute of Mining and Metallurgical Engineers, Philadelphia. Transactions, vol. 1-204, 1871-1955 (vols. 165, 167-9, 179 missing). *Beginning with vol. 187, 1950 Transactions were issued under the following titles:*
 TN1 Journal of metals.
 A513
 TN860 Journal of petroleum technology.
 J68

- TN1 Mining engineering.
.A5258
(From vol. 205, 1956 the name of the Institute became: American Institute of Mining, Metallurgical and Petroleum Engineers).
American Institute of Physics, New York. AIP documentation newsletter, vol. 1, No. 1, 1959 +
HD9514 American Iron and Steel Institute, New York. Annual statistical report, 1914 +
.A5
+
TS300 —Yearbook, 1910 +
.A56
QA1 American journal of mathematics, Baltimore. vol. [48] 49, 1926 +
.A51 American journal of nursing, Concord, N.H. (*Current issues only.*)
* American journal of optometry and Archives of American Academy of Optometry, Minneapolis, Minn. (*Current issues only.*)
QC1 American journal of physics, New York. vol. 1, 1933 +
.A47
RM845 American journal of roentgenology, Springfield, Ill. vol. 3, 1916 +
.A3
Q1 American journal of science, New Haven, Conn. vol. 115, 1878 +
.A5
—Radiocarbon supplement, vol. 1, 1959 +
TS940 American Leather Chemists Association, Easton, Pa. Journal, vol. 1, 1906 +
.A5
American machinist, New York. (*Current issues only.*)
QA1 American mathematical monthly, Buffalo. vol. 1, 1894 +
.A515
QA1 American Mathematical Society, New York. Bulletin (vol. 1-3, 1891-4 called New York Mathematical Society. Bulletin.), vol. 1, 1894 +
.A52
—New publications (formerly published in their Notices), No. 1, June 1961 +
—Notices, vol. 5, No. 1, Feb. 1958 +
—Proceedings, vol. 1, 1950 +
QA1
.A516
QA1
.A522
*
—Transactions, vol. 1, 1900 +
American Medical Association, Chicago. Journal. (*Current issues only.*)
American Meteorological Society, Boston. Bulletin, vol. 32, No. 1, January 1951 +
QE351 American mineralogist, Ann Arbor, Mich. vol. 1, 1916 +
.A7
American Nuclear Society, New York. Transactions, vol. 1, 1958 +
TP670 American Oil Chemists' Society, Chicago. Journal, vol. 18, 1941 +
.A5
TP934* American paint journal, St. Louis. vol. 6, 8, 1921 +
.A532
American Petroleum Institute, New York. Proceedings, vol. 28, 1948 + (*Scattered issues.*)
—Statistical bulletin, vol. 3, 1922 +
TN860
.A5
Q11 American Philosophical Society, Philadelphia. Proceedings, vol. 48, 1909 +
.P52
QC1 American Physical Society, New York. Bulletin, vol. 1, 1925 +
.A56
American scientist, New Haven, Conn. (*Current issues only.*)
TN1 American Society for Metals, New York. A.S.M. review of metal literature, vol. 1, 1944 +
.A58
—Transactions, vol. 1, 1920-21 +
TS300
.A76
TA401 American Society for Testing Materials. Bulletin, No. 1-250, 1921-60. *Ceased publication; replaced by Materials research & standards.*
.A68
TA1 American Society of Civil Engineers, New York. Proceedings, vol. 1-75, 1873-75-
.A52
1949 (vol. 76-82 not in Library). vol. 83, 1957 + issued as its Journal in the following sections:
Air transport division.
City planning division.
Construction division.
Department of conditions of practice.
Engineering mechanics division.
Highway division.
Hydraulics division.
Irrigation and drainage division.
Pipeline division.
Power division.
Sanitary engineering division.
Soil mechanics and foundations division.
Structural division.
Surveying and mapping division.
Waterways and harbors division.
American Society of Lubrication Engineers, New York. Transactions, vol. 1, 1958 +
American Society of Mechanical Engineers, New York. Transactions, vol. 1-80, 1880-1958. *Continued in series:*
A—Journal of engineering for power.
B—Journal of engineering for industry.
C—Journal of heat transfer.
D—Journal of basic engineering.
E—Journal of applied mechanics.
American Society of Naval Engineers, Washington, D.C. Journal, vol. 1-73, 1889-1961. *Continued as:* Naval engineers journal.
* American Society of Training Directors, Madison, Wis. Journal. (*Current issues only.*)
HA1 American Statistical Association, Washington, D.C. Journal, vol. 18, 1922-23 +
.A6
HA1* American statistician, Washington, D.C. vol. 1, 1947 +
.A65
Aminco laboratory news (American Instrument Company), Silver Spring, Md. (*Current issues only.*)
Amsterdam. National Luchtvaartlaboratorium. Verslagen en Verhandlungen, vol. 15, 1949 +
Anales de la Direccion Nacional de Quimica, Buenos Aires, Argentina. No. 1, 1948 +
Analyst, London. vol. 15, 1890 +
QD71
.A45
QD71 Analytica chimica acta, Amsterdam. vol. 1, 1947 +
.A47
QD71 Analytical abstracts, Cambridge, England. vol. 1, 1954 +
.A49
TP1 Analytical chemistry, Washington, D.C. vol. 1, 1929 +
.I615
Analyzer, Fullerton, Calif., (Beckman Instruments, Inc.). vol. 1, 1960 +
QD1
.Z3 Angewandte Chemie, Weinheim. vol. 1-57, 59, 1888 +
Angewandte Chemie (international edition in English), Weinheim. vol. 1, No. 1, Jan. 1962 +
QC1
.A6 Annalen der Physik, Leipzig. 2 Folge, Band 137, 1844 +
QB1
.A288 Annales d'astrophysique, Paris. vol. 1, 1938 +
QB1
.A289 —Supplements, No. 1, 1955 +
QP474
.A5 Annales d'optique oculaire, Paris. vol. 1-4, 1952-58. *Ceased publication.*
QD1
.A7 Annales de chimie et de physique, Paris. 3 ser.-8 ser., 1841-1913. *Continued in 2 titles:* Annales de chimie and Annales de physique.

- QD1**
.A715
QC801
.A51
QC1
.A65

TK7800
.A5
TA2
.A6
TK2
.A57
QB107
.A5
RS1
.A615
QA1
.A2
QC801
.A5
HA1
.A8
QA1
.A6
QC1
.A72

QA1
.A63
Z7914
.P2A6

TA1
.A63953

Ref.
Z7913
.J7
QA801
.A6

QC1
.A75

QD71
.A65
HA1
.A7

TK3
.A57
QA1
.A66
TS300
.A85
TK3
.A6
QC851
.A731

QC851
.A732
TA165
.A12

QA806
A7
- Annales de chimie, Paris. 9 ser., vol. 1, 1914 + (11 ser., vol. 16, 1941 *missing*).
 Annales de géophysique, Paris. vol. 1, 1944-45 +
 Annales de physique, Paris. 9 ser., vol. 1, 1914 + (11 ser., vol. 15-16, 1941 *missing*).
 Annales de radioélectricité, Paris. vol. 1, 1944-45 +
 Annales des ponts et chaussées, Paris. vol. 7, 1912 +
 Annales des télécommunications, Paris. vol. 1, 1946 +
 Annales françaises de chronométrie, Besancon, France. vol. 1-15, 17, 1931 +
 Annales pharmaceutiques françaises, Paris. vol. 4, 1946 +
 Annales polonici mathematici, Warsaw. vol. 3, 1956-57 +
 Annali di geofisica, Rome. vol. 1, 1948 +
 Annals of mathematical statistics, Ann Arbor, Mich. vol. 1, 1930 +
 Annals of mathematics, Princeton, N.J. 2 ser., vol. 19, 1917-18 +
 Annals of physics, New York. vol. 1-5 [6] 7, 1957 +
 Annals of science, London. vol. 15, No. 1, Mar. 1959 +
 Aplikace matematiky, Prague. vol. 1, 1956 +
 Appleton, Wis. Institute of Paper Chemistry. Library. Abstract bulletin (*including* Library notes), vol. 1, 1930-31 +
 Applications and industry. *See* American Institute of Electrical Engineers. Transactions.
 Applied magnetism, Valparaiso, Ind., vol. 2, No. 1, Jan. 1954 +
 Applied mechanics reviews, New York. vol. 1, 1948 +
 Applied optics (Optical Society of America), New York. vol. 1, No. 1, Jan. 1962 +
 Applied science and technology index, New York (*formerly* Industrial arts index). 1913 +
 Applied scientific research, The Hague. A: Mechanics, heat, vol. 1, 1947-49 +
 —B: Electrophysics, acoustics, optics, mathematical methods, vol. 1, 1947-50 +
 Applied spectroscopy, Bound Brook, N.J. vol. 1, 1946 +
 Applied statistics (Royal Statistical Society), London. vol. 2, 1953 +
 Architectural forum, New York. (*Current issues only*).
 Architectural record, New York. (*Current issues only*).
 Archiv der elektrischen Übertragung, Wiesbaden, vol. 1, 1947 +
 Archiv der Mathematik, Karlsruhe, vol. 1, 1948-49 +
 Archiv für das eisenhüttenwesen, Düsseldorf, vol. 1-15 [16-18] 19, 1927-28 +
 Archiv für Elektrotechnik, Berlin, vol. 1-37, 39, 1913 +
 Archiv für Meteorologie, Geophysik und Bioklimatologie. Ser. A: Meteorologie und Geophysik, vol. 6, 1953-54 +
 —Ser. B: Allgemeine und biologische Klimatologie, vol. 5, 1953-54 +
 Archiv für technisches Messen, München, No. 1, 1931 +
 Archive for history of exact sciences, Berlin, vol. 1, No. 1, 1960 +
 Archive for rational mechanics and analysis, Berlin, vol. 1, 1957-58 +
- Q4**
.A73
QP501
.A77

TS1870
.A7

TA4
.A6
QC770
.A71

QC770
.A7
QC20
.A7
QD601
.A7

TA416
.A7

QB1
.A7
QC1
.A651
QC801
.A7
QD1
.A73
QA1
.A7

TP845
.A8

QD1
.A77
TN4
.A8
QD1
.A81

TK2
.A75

QA76
.A78

QA76
.A77

TS940
.A7

TK1
.A83

S583*
.A7

TK3
.A8
TS1550
.A8
- Archives des sciences, Geneva, vol. 1, 1948 +
 Archives of biochemistry and biophysics, New York, vol. 1, 1942-43 +
 Archives of environmental health, Chicago. (*Current issues only*).
 Archives of rubber cultivation, Djakarta-Kota, Indonesia (*formerly* Archief voor de rubbercultuur). vol. 26, 1949 +
 Archiwum mechaniki stosowanej, Gdansk, Poland, vol. 1, 1949 +
 Argentine Republic. Comision Nacional de Energia Atomica. Informe, No. 4, 1959 +
 —Publicaciones, Ser. Fisica, No. 1-16, 1953-58
 —Publicaciones, Ser. Matematica, miscelanea, No. 1, 1952
 —Publicaciones, Ser. Quimica, No. 1-14, 1954-58
 (*All series continued in one publication: ... Informe—See above.*)
 Arkansas. University. Engineering Experiment Station. Bulletin, No. 1, 1925 +
 Arkiv för astronomi, Stockholm, vol. 1, 1950-55 +
 Arkiv för fysik, Stockholm, vol. 1, 1949-50 +
 Arkiv för geofysik, Stockholm, vol. 1, 1950-53 +
 Arkiv för kemi, Stockholm, vol. 1, 1949-50 +
 Arkiv för matematik, Stockholm, vol. 1, 1949-52 +
 Armstrong trap magazine, Chicago. (*Current issues only*).
 Army research and development, Washington, D.C., vol. 2, No. 1, Jan. 1961 +
 Asahi Glass Company, Ltd. Research Laboratory, Yokohama, Japan. Reports, vol. 1, 1950 +
 Asociacion del Congreso Panamericano de Ferrocarriles, Buenos Aires. Boletin. (*Current issues only*).
 Asociacion Quimica Argentina, Buenos Aires. Anales, vol. 1, 1913 +
 Associacao Brasileira de Metais, Sao Paulo, Brazil. Boletim, vol. 7, 1951 +
 Associacao Brasileira de Quimica, Rio de Janeiro. Anais, vol. 1-12 [13-14] 18, 1942 +
 Association des Ingenieurs Electriciens Sortis de l'Institut Electrotechnique Montefiore. Bulletin, 2 ser., vol. 1, 1889-90 + ([1940], 1941-45, 1951-52 *missing*).
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- Component parts.
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QP501
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QC1

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QB4

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QB4

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TK1

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TP700

.J32

TN1

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TN1

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TP375

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QA1

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QA1

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TJ1075

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TL501

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TP700

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QD115
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TP1
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TJ4
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opment journal which also ceased after 2
issues.*
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Z7913
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- Ref.
Z7401
.T712
- TS300
.T4
TK3
.T4
- Q1
.T4
- QC100
.G654
- T4
.T28
TK4
.T4
- TK2
.J62
- TK1
.T4
TK6600
.T3
TK1
.T33
- TK6630
.A1T43
TK6630
.A1T4
TK6630
.A1T465
QC801
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- QD241
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- Szeged, Hungary. Tudomanyegetem.
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uralium. Acta physica et chemica
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Jan. 1960 +
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(U.S. Office of Technical Services) vol.
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fied.*)
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neering, London. vol. 4, 1950 +
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No. 1, 1951 +
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1916 +
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1944 +
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çaises, Paris. No. 1, Oct. 1957 +
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No. 1, 1959 +

- TA416
.T4 Texas. Agricultural and Mechanical College. Engineering Experiment Station. Bulletin, No. 1, 1915 +
—Research reports, No. 1, 1948 +
- TA416
.T41
TA416
.T42 —News, vol. 1, 1950 +
- TS1300
.T126 Textil-praxis, Stuttgart. vol. 1, 1946 +
- TS1300
.T2 Textil-rundschau, St. Gallen. vol. 1 [2-9] [10-11] 12, 1946 +
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.T215 Textile Institute, Manchester, England. Journal. Abstracts, proceedings and transactions, vol. 1, 1910 +
- TS1300
.T219 Textile journal of Australia, Melbourne. vol. 21, 1946 +
- TS1300
.T43 Textile research journal, Lancaster, Pa. vol. 1, 1931 +
- * Textile weekly, Manchester, England. vol. 12, 1933 +
- * Textile world, New York. (*Current issues only.*)
- Q4
.T35 Thai science bulletin, Bangkok. vol. 1, 1937 +
- Thailand. National Research Council, Bangkok. Journal, vol. 1, Nov. 1960 +
- Tidsskrift for industri, Copenhagen. (*Current issues only.*)
- Timosoara. Institutul Politehnic. Buletinul stiintific si tehnic (*Serie noua*), vol. 1 (15), 1956 + (vol. 2 *missing*.)
- TN793
.A1T4 Tin and its uses, Greenford, England (Tin Research Institute). No. 1, 1939 +
- Tohoku mathematical journal, Sendai, Japan. ser. 2, vol. [8] 1956 +
- Tokyo. Central Inspection Institute of Weights and Measures. Bulletin, No. 1, 1955 +
- TK4
.T67 Tokyo. Electrical Communication Laboratory. Review (*formerly Reports*), vol. [4] 1956 +
- TK4
.T62 Tokyo. Electrotechnical Laboratory. Bulletin, vol. 13, 1949 +
- TK4
.T55 Tokyo. Electrotechnical Laboratory. Circulars, No. 1-4, 6, 1921 +
- TK4
.T6 —Researches, No. 62 +
- Summaries of reports, No. 1, 1950 +
- Tokyo. Hosei University. Technical College. Reports, No. 3, 1958 +
- QC1
.T61 Tokyo. Institute of Physical and Chemical Research. Reports, vol. 34, 1958 +
- QC1
.T6 —Scientific papers, vol. 1, 1922 +
- Tokyo. Institute of Technology. Bulletin, special number: Research Laboratory of Precision Machinery and Electronics. Report, No. 2, 1958 +
- Tokyo. National Research Laboratory of Metrology (*formerly . . . Central Inspection Institute of Weights and Measures*). Report, vol. 4, No. 1 (4), 1955 +
- Tokyo. Numerical Computation Bureau. Report, No. 8, 1954 +
- TL501
.T6 Tokyo. University. Aeronautical Research Institute. Reports, vol. 1-17, 24, 1921 +
- Q4
.T6 Tokyo. University. College of General Education. Scientific papers, vol. 1, 1951 +
- Tokyo. University. Department of Astronomy. Contributions, No. 1, 1959 +
- TA4
.T5 Tokyo. University. Faculty of Engineering. Journal, vol. 13, 15-20, [21] [23-4] [25] 26, 1922 +
- Q 77
.T63 Tokyo. University. Faculty of Science. Journal. Sect. I: Mathematics, astronomy, physics, chemistry, vol. 1, 1925 +
- Tokyo. University. Institute for Nuclear Study. Publications INSJ, No. 1, 1957 +
- Tokyo. University. Institute for Solid State Physics. Technical report of ISSP, Series A, No. 1, Oct. 1959 +
— . . . Series B, No. 1, Mar. 1960 +
- Q4
.T61 Tokyo. University. Institute of Industrial Science. Reports, vol. 1, 1950 +
- Tokyo. University of Education. Science reports of the Tokyo Kyoiku Daigaku. Sect. A, vol. 1, 1930 +
- Tokyo Metropolitan University. Faculty of Technology. Memoirs, No. 1, 1951 +
- TP785
.T67 Tonindustrie - Zeitung und keramische Rundschau, Berlin. vol. 16, 18-19, 24-66 [68] 80, 1892 +
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- Toronto. University. Institute of Aerophysics. UTIA reports, No. 22, 1952 +
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—UTIA technical note, No. 1, 1954 + (No. 2 *missing*)
- Toute la radio, Paris. vol. 1-5 [6-7] 12, 1934 +
- Transmitter, Washington, D.C. (*Current issues only.*)
- TA2
.T7 Travaux, Paris. vol. 17-23 [24] 25 [26-7] 28-30, 32-5, 37, 1933 +
- Trieste. Osservatorio Geofisico. Pubblicazioni (*nuova serie*), No. 1, 1949 +
- Trieste. Osservatorio Geofisico Sperimentale. Bollettino di geofisica teorica ed applicata, vol. 1, No. 1, Mar. 1959 +
- Trieste. Universita. Facolta di Ingegneria. Pubblicazione—various institutes.
- Trieste. Universita. Facolta di Scienze. Pubblicazione—various institutes.
- QA1
.T85 Tucuman. Universidad Nacional. Facultad de Ciencias, y Tecnologia. Revista. Ser. A: Matematicas y fisica teorica, vol. 1-5, 9, 1940 +
- TK4
.T8 Turin. Istituto Elettrotecnico Nazionale Galileo Ferraris. Publications, No. 1, 1935 +
- Turkiye mühendislik haberleri, Ankara. vol. [3] 1957 +
- U
- Ultrasonic news, Mount Vernon, N.Y. vol. 1, No. 1, Aug. 1957 +
- TH9111
.U6 Underwriters' Laboratories, Chicago. Bulletin of research, No. 1, 1937 +
- UNESCO bulletin for libraries, New York. vol. 12, No. 4, Apr. 1958 +
- QA1
.U51 Union Matematica Argentina, Buenos Aires. Revista, vol. 11, 1945 +
- HA1
.U5 Union of Japanese Scientists and Engineers, Tokyo. Reports of statistical application research, vol. 1, 1951 +
- QA1
.U5 Unione Matematica Italiana, Bologna. Bollettino, vol. 1, 1946 +
- United Kingdom Atomic Energy Authority. List of publications available to the public, No. 14, 1957 +

- QC801
.U53 U.S. Air Force. Cambridge Research Center. Geophysics Research Directorate. GRD research notes, No. 1, 1958 +
- QC801
.U52 —Geophysical research papers, No. 1, 1949 +
—Instrumentation for geophysical research, No. 1, 1953 + *Each issue classified separately—see Main Catalog.*
- Ref.
Z7916
.U5 U.S. Armed Services Technical Information Agency. Technical abstract bulletin, 1957 +
U.S. Army. Corps of Engineers. Cold Regions Research and Engineering Laboratory (*formerly* U.S. Corps of Engineers. Snow, Ice and Permafrost Research Establishment), Research report, No. 1, 1953 +
—Technical report, No. 1, 1950 +
U.S. Atomic Energy Commission. AEC technical information bulletin, No. 1, 1960 +
- Ref.
QC770
.U64 U.S. Atomic Energy Commission. Nuclear science abstracts, vol. 1, 1948 +
QC770
.U65 —Report, 1st, 1946 +
—Research and development abstracts of the AEC, No. 1, Jan./Mar. 1962 +
- QC789
.U6A69 U.S. Brookhaven National Laboratory, Upton, N.Y. Progress report (*annual*), 1948 +
QC789
.U62A67 —Technical report, No. 1, 1948 +
—Weekly bulletin. (*Current issues only.*)
—Weekly selected reading list. (*Current issues only.*)
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TN23
.U4 U.S. Bureau of Labor Statistics. Monthly labor review. (*Current issues only.*)
U.S. Bureau of Mines. Bulletin, No. 1 +
U.S. Bureau of Reclamation. Engineering monographs, No. 1, 1948 +
U.S. Bureau of Ships. Bureau of Ships journal, vol. 5, No. 8, Dec. 1956 +
- Ref.
Z6514
.T7U5 U.S. Central Intelligence Agency. Foreign Documents Division. Consolidated translation survey, No. 1, 1956 +
- QC100
.U563 U.S. Department of Commerce. Commercial standards, No. 0, 1928 +
QC100
.U564 U.S. Department of Commerce. Simplified practice recommendations, No. 1, 1922 +
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U.S. Department of State. Diplomatic list. (*Current issues only.*)
U.S. Diamond Ordnance Fuze Laboratories. Technical reports. (*Only selected numbers received.*)
—Technical review, No. 1, Oct. 1957 +
U.S. Forest Service. Fire control notes. (*Current issues only.*)
- Ref.
Z2459
.U6 U.S. Library of Congress. Processing Department. Monthly list of Russian accessions, vol. 9, 1956 +
U.S. National Aeronautics and Space Administration. Semiannual report, 1st, 1958/59 +
—Technical note, No. 1, 1959 +
- TL521
.A351 U.S. National Aeronautics and Space Administration. Technical publications announcements, No. 1, Nov. 1958 +
—Technical report, No. 1, 1959 +
—Technical translation, No. 1, 1959 +
- QC100
.U55 U.S. National Bureau of Standards. Annual report of the director (Research highlights of the N.B.S.), 1901/2 +
QA3
.U5 —Applied mathematics series, No. 1, 1948 +
TA410
.U48 —Building materials and structures report. *Ceased publication with* No. 152, 1959.
QC100
.U555 —Circulars. *Ceased publication with* No. 603, 1959.
QC1
.U51 —Handbooks, No. 1, 1918 +
QC1
.U52 —Journal of research. vol. 1–62, 1928–59. *Continued in 4 sections:*
Sect. A: Physics and chemistry.
Sect. B: Mathematics and mathematical physics.
Sect. C: Engineering and instrumentation.
Sect. D: Radio propagation.
vol. 63, No. 1, July 1959 +
- QC100
.U57 —Miscellaneous publication, No. 1, 1918 +
QC100
.U556 —Monograph, No. 1, 1959 +
—NBS reports issued during . . . July 1953 +
—The NBS Standard, vol. 1, 1955 +
—Recent additions to the main library, Feb. 1954 +
—Technical news bulletin, No. 1, 1917 +
—Technical note, No. 1, 1959 +
- T1
.U45 U.S. National Bureau of Standards. Applied Mathematics Division. (*formerly* . . . National Applied Mathematics Laboratories). Projects and publications, a quarterly report, July/Dec. 1947 +
QC100
.U5753 U.S. National Bureau of Standards. Central Radio Propagation Laboratories. Basic radio propagation predictions for . . . three months in advance, CRPL-D No. 1, 1944 +
QA27
.U5A32 —Ionospheric data, CRPL-F nos. 1–134, 1944–55. *Continued in 2 sections:*
Part A: Ionospheric data, No. 135, Nov. 1955 +
Part B: Solar-geophysical data, No. 135, Nov. 1955 +
- TK6570
.B7U47 U.S. National Bureau of Standards. Hydraulic Laboratory. Hydraulic research in the United States. No. 1, 1933 +
- QC503
.U5 U.S. National Science Foundation. Scientific information notes (*formerly* Science information news), vol. 1, No. 1, Feb./Mar. 1959 +
TC1
.U51 U.S. Naval Ordnance Laboratory. Report. (*Current issues only.*)
U.S. Naval Research Laboratory. New research literature. (*Current issues only.*)
—Report of NRL progress, May 1956 +
U.S. Patent Office. Official gazette. (*Current issues only.*)
U.S. Superintendent of Documents. Monthly catalog of government publications. (*Current issues only.*)
U.S. Weather Bureau. Climatological data—national summary. (*Current issues only.*)
—Local climatological data—Washington, D.C. (*Current issues only.*)
—Monthly weather review. (*Current issues only.*)
—Storm data. (*Current issues only.*)
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Ref.

- Z7916
.B47 U.S. Government research reports. vol. 1, 1946 +
Universitas; a German review of the arts and sciences, Stuttgart. vol. 3, No. 4. 1960 +
QB1 Urania; revista de astronomia y ciencias afines, Barcelona. vol. 34, 1949 +
.U7 Utrecht. Rijksuniversiteit. Sterrewacht.
QB4 Recherches astronomiques, vol. 1, 3, 6
.U8 [9] [11-12] [13] 14, 1897 +

V

- QC350 VEB Carl Zeiss Jena Nachrichten, Jena.
.Z4 vol. 1-5, 7, 1932 +
QC166 Vacuum, London. vol. 1, 1951 +
.V3
TH7201 Vakuu-technik, Berlin. vol. 10, No. 1,
.V3 Feb. 1961 +
QB4 Varme, Copenhagen. vol. 14, 1949 +
.V3 Vatican. Specola Astronomica Vaticana.
QC451 Ricerche astronomiche, vol. 1, 1941 +
.V3 Vatican. Specola Laboratorio Astrofisico.
TA3 Ricerche spettroscopiche, vol. 1, 1938 +
.V515 Verein Deutscher Ingenieure, Berlin. For-
schungsheft, No. 340, 1931 + (No. 422-4 missing)
—Zeitschrift, vol. 34-87 [88-9] 90, 1890 +
TA3 Verres et refractaires, Paris. vol. 1,
.V5 1947 +
TP845 Victoria, B.C. Dominion Astrophysical
.I513 Observatory. Contributions, No. 1,
QB4 1946 +
.V48 —Publications, vol. 1, 1920 +
QB4 Le Vide, Paris. No. 1, 1946 +
.B5
QC166
.V5
QD181 Vienna. Universität. Institut für Ra-
.R1V5 diumforschung. Mitteilungen, No. 1,
1911 +
TA416 Virginia Polytechnic Institute. Engineer-
.V85 ing Experiment Station. Bulletin, No. 1, 1923 +
TA1 Virginia tech engineer, Blacksburg. vol.
.V5 1, 1925 +
TC1 Vizügyi közlemenyek—Hydraulic proceed-
.V5 ings, Budapest. vol. 26-8, 30, 1944 +
Vynalezky (formerly Vynalezky a normali-
sace), Prague. vol. 1, No. 1, July 1957 +

W

- TA416 Washington (State) University. Engi-
.W28 neering Experiment Station. Bulletin.
No. 1, 1917 +
Q11 Washington Academy of Sciences, Wash-
.W32 ington D.C. Journal, vol. 1, 1911 +
Water works engineering, New York.
(Current issues only.)
TJ4 Wear, Amsterdam. vol. 1, 1957 +
.W4
TS227 Welding engineer, New York. (Only last
.A27 5 years kept).
TS227 Welding journal, New York. vol. 1,
.A15 1922 +
TA401 Werkstoffe und korrosion, Weinheim.
.W45 vol. 1, 1950 +
TS300 West of Scotland Iron and Steel Institute.
.W4 Journal, vol. 27, 1919 +
TA416 West Virginia. University. Extension
.W4 bulletin, No. 1, 1916 +
TA416 —Engineering Experiment Station. Tech-
.W3 nical bulletin, No. 1, 1927 +
Western electric engineer, New York.
vol. 1, No. 2, Apr. 1957 +

TK7800
.W4
TK1
.W625
TN1
.W57
TS270
.A1W5

TK7800
.W5

QB4
.Y47

TA416
.Y6

TA408
.Z3

QC350
.Z41
QD71
.Z3

QA1
.Z3

QA1
.Z35

QC1
.Z3

QD1
.Z4

QB1
.Z4

TS1300
.K5

TP375
.D3

TP250
.Z6

TN3
.Z4

Q184
.Z4

QD901
.Z5

- Western machinery and steel world, San Francisco. vol. 24-41, 44, 1933 +
(Bound but not classified.)
Western Union technical review, New York. vol. 1, 1947 +
Westinghouse engineer, Pittsburgh, Pa. vol. 1, 1941 +
Wild Barfield heat-treatment journal, London. vol. 1, 1934 +
Wire & wire products, New York. vol. 4, 1929 +
Wireless & electrical trader, London.
(Current issues only.)
Wireless world, London. vol. 1, 1913 +
Wisconsin. University. College of Engineering. Engineering Experiment Station. Report, No. 1, 1954 +
Woods Hole, Mass. Oceanographic Institution. Collected reprints. (Current issue only.)
World list of future international meetings, Washington D.C. (U.S. Library of Congress). July 1959 +
World oil, Houston, Tex. (Current issues only.)

Y

- Yerkes Observatory, Chicago. Publica-
tions, vol. 1, 1900 +
Yokohama National University, Kama-
kura, Japan. Science reports. Sect. I: Mathematics, physics, No. 1, 1952 +
—Faculty of Engineering. Bulletin, vol. 1, 1951 +
Yugoslavia. Hidrotehnicki Institut "Ing. Jaroslav Cerni." Posebna izdanja, vol. 1, 1954 +
—Saopstenja, No. 3, 5, 1956 +

Z

- Zastita materijala, Belgrade. vol. [3] 1955 +
Zeiss Mitteilungen, Stuttgart. vol. 1, No. 1, Feb. 1957 +
Zeiss Werkzeitschrift, New York. No. 9, 1953 +
Zeitschrift für analytische Chemie, München. vol. 1-118 [119] 120, [121] 122-6, [127] 128, 1862 +
Zeitschrift für angewandte Mathematik und Mechanik, Dresden. vol. 1, 1921 +
Zeitschrift für angewandte Mathematik und Physik, Basel. vol. 1, 1950 +
Zeitschrift für angewandte Physik, Berlin. vol. 1, 1948 +
Zeitschrift für anorganische und allgemeine Chemie, Leipzig. vol. 1, 1892 +
Zeitschrift für Astrophysik, Berlin. vol. 1-19 [20] 21-2, [23] 24, 1930 +
Zeitschrift für Chemie, Leipzig. vol. 1, No. 7, 1961 +
Zeitschrift für die gesamte Textilindustrie, M. Gladbach. vol. 15-19, 25-39, 1912-36 (for 1937-41 see Klepzig's Textil Zeitschrift); vol. 54, 1952 +
Zeitschrift für die Zuckerindustrie, Berlin (continuation of Die deutsche zuckerindustrie). vol. 1 (76), 1951 +
Zeitschrift für Elektrochemie, Berlin. vol. 1, 1894 +
Zeitschrift für Erzbergbau und Metallhüttenwesen, Stuttgart. vol. 1, 1948 +
Zeitschrift für Instrumentenkunde, Brunswick. vol. 1, 1881 +
Zeitschrift für Kristallographic, Leipzig. vol. 73, 1930 + [103]

- TN3
.Z45
Q3
.Z39
- Zeitschrift für mathematische Logik und Grundlagen der Mathematik, Berlin. vol. 1-2, 6, 1955 +
Zeitschrift für metallkunde, Berlin. vol. 1-31 [32] 34-5, [36] 37, 1911 +
Zeitschrift für Naturforschung, Wiesbaden. vol. 1, 1946. *Continued in 2 sections:*
Sect. A: Astrophysik, Physik und physikalische Chemie, vol. 2, 1947 +
Sect. B: Chemie, Biochemie . . . , vol. 2, 1947 +
QC1
.Z44
QD1
.Z45
- Zeitschrift für Physik, Berlin. vol. 1, 1920 + [115 and 123]
Zeitschrift für physikalische Chemie, Leipzig. Abt. A, vol. 1, 1887 +
Abt. B, vol. 1-53, 1928-43
QD1
.Z46
- Zeitschrift für physikalische Chemie, *neue Folge*, Frankfurt am Main. vol. 1, 1954 +
QP501
.Z3
- Zeitschrift für physiologische chemie, Berlin. vol. 111, 1920 + (vol. 264 and 268 missing)
Zeitschrift für Wahrscheinlichkeitstheorie und verwandte Gebiete, Berlin. vol. 1, No. 1, 1962 +
QH201
.Z3
- Zeitschrift für wissenschaftliche Mikroskopie, Stuttgart. vol. 48-58 [59] 64, 1931 +

- TR1
.Z46
- TP875
.Z4
RM845
.Z4
QA1
.Z5
- TL507
.Z86
- TH4
.Z7
- TJ265
.Z8
- TC1
.Z7
- Zeitschrift für wissenschaftliche Photographie, Photophysik und Photochemie, Leipzig. vol. 1, 1903 + [42]
Zement-Kalk-Gips, Wiesbaden. vol. [4] 1951 +
Zentralblatt für die gesamte Radiologie, Berlin. vol. 38-42, 44, 1952 +
Zentralblatt für Mathematik und ihre Grenzgebiete, Berlin. vol. 1-51, 53-8, 60-61, 64-67, 68-9, 1931 +
Zürich. Eidgenössische Technische Hochschule. Institut für Aerodynamik. Mitteilungen, No. 1, 1934 +
Zürich. Eidgenössische Technische Hochschule. Institut für Baustatik. Mitteilungen, No. 3, 1931 +
Zürich. Eidgenössische Technische Hochschule. Institut für Thermodynamik. Mitteilungen, No. 1, 1937 +
Zürich. Eidgenössische Technische Hochschule. Lehrstuhl für Mechanik in Französische Sprache. Photoelastisches Laboratorium. Mitteilungen, No. 1, 3-4, 6, 1943 +
Zürich. Eidgenössische Technische Hochschule. Versuchsanstalt für Wasserbau. Mitteilungen, No. 1, 1942 +

3. Russian Periodicals List

This list includes current Russian periodicals, translations, and a few reference journals pertaining to the Russian collection. Titles in Russian indicate journals received in the original language. Titles in English indicate that the journals are translations from the Russian. The original Russian title from which it was translated is listed immediately after the English. The translating agency is also listed.

- TN4
.A2
- The Abstracts journal—Metallurgy. Part A: The Science of metals (Pergamon). Referativnyi zhurnal: Metallurgiya, 1957 +
—Part B: The Technology of Metals, No. 1, Jan. 1958 +
Q60
.A3
- Academy of Sciences, USSR. Bulletin. Division of chemical sciences (Consultants Bureau). Akademiia Nauk SSSR. Izvestiia. Otdelenie khimicheskikh nauk, 1957 +
QC801
.A353
- Academy of Sciences, USSR. Bulletin. Geophysics series (American Geophysical Union). Akademiia Nauk SSSR. Izvestiia. Seriiia geofizicheskaiia, 1959 +
Academy of Sciences, USSR. Proceedings. Mathematics section (American Mathematical Society). Akademiia Nauk, SSSR. Doklady. Matematika, vol. 130, 1960 +
QC1
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U.S. DEPARTMENT OF COMMERCE

Luther H. Hodges, *Secretary*

NATIONAL BUREAU OF STANDARDS

A. V. Astin, *Director*



THE NATIONAL BUREAU OF STANDARDS

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Electricity. Resistance and Reactance. Electrochemistry. Electrical Instruments. Magnetic Measurements. Dielectrics. High Voltage.

Metrology. Photometry and Colorimetry. Refractometry. Photographic Research. Length. Engineering Metrology. Mass and Scale. Volumetry and Densimetry.

Heat. Temperature Physics. Heat Measurements. Cryogenic Physics. Equation of State. Statistical Physics.

Radiation Physics. X-ray. Radioactivity. Radiation Theory. High Energy Radiation. Radiological Equipment. Nucleonic Instrumentation. Neutron Physics.

Analytical and Inorganic Chemistry. Pure Substances. Spectrochemistry. Solution Chemistry. Standard Reference Materials. Applied Analytical Research. Crystal Chemistry.

Mechanics. Sound. Pressure and Vacuum. Fluid Mechanics. Engineering Mechanics. Rheology. Combustion Controls.

Polymers. Macromolecules: Synthesis and Structure. Polymer Chemistry, Polymer Physics. Polymer Characterization. Polymer Evaluation and Testing. Applied Polymer Standards and Research. Dental Research.

Metallurgy. Engineering Metallurgy. Microscopy and Diffraction. Metal Reactions. Metal Physics. Electrolysis and Metal Deposition.

Inorganic Solids. Engineering Ceramics. Glass. Solid State Chemistry. Crystal Growth. Physical Properties. Crystallography.

Building Research. Structural Engineering. Fire Research. Mechanical Systems. Organic Building Materials. Codes and Safety Standards. Heat Transfer. Inorganic Building Materials. Metallic Building Materials.

Applied Mathematics. Numerical Analysis. Computation. Statistical Engineering. Mathematical Physics. Operations Research.

Data Processing Systems. Components and Techniques. Computer Technology. Measurements Automation. Engineering Applications. Systems Analysis.

Atomic Physics. Spectroscopy. Infrared Spectroscopy. Solid State Physics. Electron Physics. Atomic Physics.

Instrumentation. Engineering Electronics. Electron Devices. Electronic Instrumentation. Mechanical Instruments. Basic Instrumentation.

Physical Chemistry. Thermochemistry. Surface Chemistry. Organic Chemistry. Molecular Spectroscopy. Elementary Processes. Mass Spectrometry. Photochemistry and Radiation Chemistry.

Office of Weights and Measures.

BOULDER, COLO.

Cryogenic Engineering Laboratory. Cryogenic Equipment. Cryogenic Processes. Properties of Materials. Cryogenic Technical Services.

CENTRAL RADIO PROPAGATION LABORATORY

Ionosphere Research and Propagation. Low Frequency and Very Low Frequency Research. Ionosphere Research. Prediction Services. Sun-Earth Relationships. Field Engineering. Radio Warning Services. Vertical Soundings Research.

Radio Propagation Engineering. Data Reduction Instrumentation. Radio Noise. Tropospheric Measurements. Tropospheric Analysis. Propagation-Terrain Effects. Radio-Meteorology. Lower Atmosphere Physics.

Radio Systems. Applied Electromagnetic Theory. High Frequency and Very High Frequency Research. Modulation Research. Antenna Research. Navigation Systems.

Upper Atmosphere and Space Physics. Upper Atmosphere and Plasma Physics. Ionosphere and Exosphere Scatter. Airglow and Aurora. Ionospheric Radio Astronomy.

RADIO STANDARDS LABORATORY

Radio Physics. Radio Broadcast Service. Radio and Microwave Materials. Atomic Frequency and Time-Interval Standards. Millimeter-Wave Research.

Circuit Standards. High Frequency Electrical Standards. Microwave Circuit Standards. Electronic Calibration Center.

