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

National Bureau of Standards Monograph 57
Issued November 23, 1962
(Supersedes NBS Circular 563 and the 1st Supplement to NBS Circular 563)

For sale by the Superintendent of Documents, U.S. Government Printing Office
Washington 25, D.C. - Price .25 cents
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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—

3. Public institutions are listed by country if national, and by city if local—

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 +


TL750
.A613


TH7201
.A53

ASHRAE journal (American Society of Heating, Refrigerating and Air Conditioning Engineers), New York. vol. 1, 1959 +

A.B. métallurgie (Association pour l'Encouragement à l'Union des Revues Techniques Belges) Mons, Belgium. vol. 1, No. 7, 1959 +

TK6297
.A12


TK6540
.A15

A.W.A. technical review (Amalgamated Wireless (Australasia) Ltd.), Sydney, Australia. vol. 1, 1935 +


Q65
.A2


QD1
.A3

Institutul de Energetica. Studii si cercetari de energetica, vol. 1, 1951 +

TK4
.A3

Institutul de Fizica. Studii si cercetari de fizica, vol. 7, 1956 +

QC1
.A1

Institutul de Matematica. Studii si cercetari matematicale, vol. 11, no. 1, 1960 +


Q46
.A14


Q60
.A25


Q60
.A25


Q60
.A25


Q60
.A25


Q60
.A25


Q56
.A25


Q56
.A25

— Mémoires, vol. 20, 1942/45 + (unbound.)

QCl
.A24


QC1
.A23


TA684
.A77

Acier-Stahl-Steel. Brussels. vol. 1, 1932 +

QC221
.A4


QC221
.A2


QD1
.A325

Acta chemica Scandinavica, Copenhagen. vol. 1, 1947 +

QD901
.A22

Acta crystallographica, Copenhagen. vol. 1, 1948 +

TK7800
.A35

Acta electronica, Paris. vol. 1, 1956 +

QA1
.A16

Acta mathematica, Budapest. vol. 1, 1950 +

QA1
.A18

Acta mathematica, Stockholm. vol. 1, 1882 +

TN1
.A25

Acta mettallurgica, Toronto. vol. 1, 1953 +

QC1
.A33

Acta physica, Budapest. vol. 1, 1951-52 +

QC1
.A34

Acta physica austriae, Vienna. vol. 1, 1948 +

QC1
.A35

Acta physica polonica, Warsaw. vol. 1, 1932 +

.P582
.T4


QC221
.A25


QA1
.A19

Acta scientiarum mathematicarum, Szeged, Hungary. vol. 14, 1951 +

T4
.M3

Acta technica, Budapest. vol. 28, 1960 +

Acta technica, Prague. vol. 6, No. 1, 1961 +

QC221
.A25

Acustica, Zürich. vol. 1, 1951 +

.A25


TP967
.A3

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.)

Q41
.B812

Advancement of science; the report of the British Association for the Advancement of Science, London. vol. 1, 1939 +

QC1
.A341

Advances in physics; a quarterly supplement of the Philosophical magazine, London. vol. 1, 1952 +
<table>
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<tr>
<th>TN1</th>
<th>Mining engineering.</th>
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<tr>
<td>A5258</td>
<td>(From vol. 205, 1956 the name of the Institute became: American Institute of Mining, Metallurgical and Petroleum Engineers).</td>
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<tr>
<td>HD9514</td>
<td>American Institute of Physics, New York. AIP documentation newsletter, vol. 1, No. 1, 1959 +</td>
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<tr>
<td>TS300</td>
<td>Yearbook, 1910 +</td>
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<tr>
<td>QA1</td>
<td>American journal of nursing, Concord, N.H. (Current issues only).</td>
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<td>QC1</td>
<td>American Journal of Physics, New York. vol. 1, 1933 +</td>
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<td>Q1</td>
<td>American Journal of Science, New Haven, Conn. vol. 115, 1878 +</td>
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<td>A5</td>
<td>American machinist, New York. (Current issues only).</td>
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<td>Q1A</td>
<td>American Mathematical Monthly, Buffalo. vol. 1, 1894 +</td>
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<td>Q1A52</td>
<td>New publications (formerly published in their Notices), vol. 1, June 1961 +</td>
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<td>Q1A516</td>
<td>Notices, vol. 1, April 1950 +</td>
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<td>Q1A522</td>
<td>Transactions, vol. 1, 1900 +</td>
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<td>TP670</td>
<td>American mineralogist, Ann Arbor, Mich. vol. 1, 1916 +</td>
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<td>A5</td>
<td>American Oil Chemists' Society, Chicago. Journal, vol. 18, 1941 +</td>
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<td>A532</td>
<td>American Paint Journal, St. Louis. vol. 6, 8, 1921 +</td>
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<tr>
<td>A5</td>
<td>Statistical bulletin, vol. 3, 1922 +</td>
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<tr>
<td>Q5C</td>
<td>American statistical society, New Haven, Conn. (Current issues only).</td>
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<tr>
<td>TS300</td>
<td>Transactions, vol. 1, 1920-21 +</td>
</tr>
<tr>
<td>*</td>
<td>American Society of Training Directors, Madison, Wis. Journal. (Current issues only).</td>
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<tr>
<td>A65</td>
<td>American statistician, Washington, D.C. vol. 1, 1947 +</td>
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<td>QD71</td>
<td>Amino laboratory news (American Instruments Company), Silver Spring, Md. (Current issues only).</td>
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<tr>
<td>QD71A47</td>
<td>Anales de la Dirección Nacional de Química, Buenos Aires, Argentina. No. 1, 1948 +</td>
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<td>QD71A615</td>
<td>Analyst, London. vol. 15, 1890 +</td>
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<td>QD71A44</td>
<td>Analytica chimica acta, Amsterdam. vol. 1, 1947 +</td>
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<td>TP1</td>
<td>Analytical chemistry, Washington, D.C. vol. 1, 1929 +</td>
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<tr>
<td>A16</td>
<td>Analyser, Fullerton, Calif., (Beckman Instruments, Inc.). vol. 1, 1960 +</td>
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<tr>
<td>TP1A165</td>
<td>Angewandte Chemie, Weinheim. vol. 1-57, 1888 +</td>
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<td>QD1</td>
<td>Angewandte Chemie (international edition in English), Weinheim. vol. 1, No. 1, Jan. 1962 +</td>
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<tr>
<td>A6</td>
<td>Annalen der Physik, Leipzig. 2 Folge, Band 127, 1844 +</td>
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<tr>
<td>QD1A288</td>
<td>Annales d'astrophysique, Paris. vol. 1, 1938 +</td>
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<td>QD1A289</td>
<td>—Supplements, No. 1, 1955 +</td>
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TK8700

Annales de radioélectricité, Paris. vol. 1, 1944–45 +

TK2

Annales des ponts et chaussées, Paris. vol. 7, 1912 +

QAl

Annales des télécommunications, Paris. vol. 1, 1946 +

QCl

Annales françaises de chronométrie, Besançon, France. vol. 1–15, 1931 +

QCl1

Annales pharmaceutiques, Paris. vol. 4, 1946 +

QCl2

Annales polonici mathematici, Warsaw. vol. 3, 1956–57 +

QCl3

Annali di geofisica, Rome. vol. 1, 1948 +

HAI

Annals of mathematical statistics, Ann Arbor, Mich. vol. 1, 1930 +

QAI


QCl


QCl1

Annals of science, London. vol. 15, No. 1, Mar. 1959 +

QCl2

Aplikace katekmaty, Prague. vol. 1, 1956 +

QCl3

Appleton, Wis. Institute of Paper Chemistry. Library. Abstract bulletin (including Library notes), vol. 1, 1930–31 +

QCl4

Applications and Industry. See American Institute of Electrical Engineers. Transactions.

QCl5

Applied magnetics, Valparaiso, Ind., vol. 2, No. 1, Jan. 1954 +

QCl6

Applied mechanics reviews, New York. vol. 1, 1948 +

QCl7

Applied optics (Optical Society of America), New York. vol. 1, No. 1, Jan. 1962 +

QCl8

Applied science and technology index, New York (formerly Industrial arts index). 1913 +

QCl9


QCl10

—B: Electrophysics, acoustics, optics, mathematical methods, vol. 1, 1947–50 +

QCl11

Applied spectroscopy, Bound Brook, N.J. vol. 1, 1946 +

QCl12

Applied statistics (Royal Statistical Society), London. vol. 2, 1953 +

QCl13

Architectural forum, New York. (Current issues only.)

QCl14

Architectural record, New York. (Current issues only.)

QCl15

Archiv der elektrischen übertragung, Wiesbaden, vol. 1, 1947 +

QCl16

Archiv der Mathematik, Karlsruhe, vol. 1, 1948–49 +

QCl17


QCl18

Archiv für Elektrotechnik, Berlin. vol. 1–37, 39, 1913 +

QCl19


QCl20

—B: Allgemeine und biologische Klimatologie, vol. 5, 1953–54 +

QCl21

Archiv für technisches Messen, München, No. 1, 1931 +

QCl22

Archive for history of exact sciences, Berlin, vol. 1, No. 1, 1960 +

QCl23

Archive for rational mechanics and analysis, Berlin, vol. 1, 1957–58 +

QCl24

Archives des sciences, Geneva, vol. 1, 1948 +

QCl25

Archives of biochemistry and biophysics, New York, vol. 1, 1942–43 +

QCl26

Archives of environmental health, Chicago. (Current issues only.)

QCl27

Archivum mechaniki stosowanej, Gdansk, Poland, vol. 1, 1949 +

QCl28


QCl29

—Publicaciones, Ser. Fisica, No. 1–16, 1953–58

QCl30

—Publicaciones, Ser. Matematica, misceláneas, No. 1, 1952

QCl31

—Publicaciones, Ser. Química, No. 1–14, 1954–58

(Total series continued in one publication: ... Informe—See above.)

QCl32


QCl33


QCl34


QCl35


QCl36


QCl37


QCl38

Armstrong trap magazine, Chicago. (Current issues only.)

QCl39

Army research and development, Washington, D.C. vol. 2, No. 1, Jan. 1961 +

QCl40

Asahi Glass Company, Ltd. Research Laboratory, Yokohama, Japan. Reports, vol. 1, 1950 +

QCl41

Asociacion del Congreso Panamericano de Ferrocarriles, Buenos Aires. Boletin. (Current issues only.)

QCl42

Asociacion Quimica Argentina, Buenos Aires. Anales, vol. 1, 1913 +

QCl43

Asociacao Brasileira de Metais, Sao Paulo, Brazil. Boletim, vol. 7, 1951 +

QCl44


QCl45


QCl46


QCl47


QCl48


QCl49


QCl50

—Conferences, no. 1, 1948 +

QCl51

Association of Iron and Steel Engineers. Yearly proceedings, vol. 5, 9, 11, 15, 1911 +

QCl52


QCl53


QCl54

Associazione Cotoniere Italiana, Milan. Notiziario, vol. 1, 1948 +
| TP785 | Canadian Ceramic Society, Toronto. Journal, vol. 1, 1932 + |
| TP1 | Canadian chemical processing, Toronto. vol. [1] 2, 1917 + |
| TP1 | Canadian journal of chemical engineering, Ottawa. vol. 1, 1929 + |
| TP1 | Canadian journal of chemistry, Ottawa. vol. 1, 1929 + |
| QA1 | Canadian journal of mathematics, Toronto. vol. 1, 1949 + |
| QC1 | Canadian journal of physics, Ottawa. vol. 1, 1929 + |
| TJ1 | Canadian machinery and metalworking, Toronto. vol. 38, 1927 + |
| TN1 | Canadian metalworking, Toronto. vol. 1, 1938 + |
| TP934* | Canadian paint and varnish magazine, Toronto. vol. 22, 1948 + |
| TP986 | Canadian plastics, Toronto. vol. 3, 1945 + |
| TP875 | Cement and lime manufacture, London. vol. 1, 1928 + |
| TP785 | Cemento ... hormigon, Barcelona. vol. 1, 1929 + (vol. 13, 1943 missing). |
| TP775 | Cemento armato, Milan. vol. 26-33, 45, 47, 49, 1929 + |
| TH7121 | Centre Belge d'Etude de la Corrosion, Brussels. Note d'information, No. 22, 1954 + |
| TP875 | Ceramic age, Newark, N.J. vol. 9, 1927 + |
| TP875 | Ceramic industry, Chicago. vol. 5, 1925 + |
| TP785 | Ceramics, London. vol. 1, 1954 + |
| TP785 | Chemia analityczna, Warsaw. vol. 1, No. 4, 1956 + |
| TA1 | Chemical abstracts, Columbus. vol. 1, 1907 + |
| TA1 | Chemical age, London. vol. 1, 1919 + |
| TP1 | Chemical and engineering news, Washington, D.C. vol. 1, 1923 + |
| TK9001 | Chemical & process engineering, London. vol. 40, No. 8, Aug. 1959 + |
| TN1 | Chemical engineering, New York. vol. 1, 1908 + |
| TP1 | Chemical engineering progress, New York. vol. 1, 1924–25 + |
| AQ635 | Chemical literature, Columbus, Ohio. vol. 10, No. 1, Spring 1958 + |
| QD1 | Chemical reviews, Baltimore. vol. 1, 1924–25 + |
| QD1 | Chemical Society, London. Journal, vol. 33, 1875 + |
| QD1 | Proceedings, vol. 1, 1885 + |
| QD1 | Quarterly reviews, vol. 1, 1947–48 + |
| QD1 | Chemical titles, Washington, D.C. No. 1, Jan. 5, 1961 + |
| TP1 | Chemie week, New York. vol. 44, 1939 + |
| QD1 | Chemieke listy provedu a prumysl, Prague. vol. 15, 1921 + |
| QD1 | Chemie-ingenieur-Technik, Weinheim. vol. 1, 1928 + |
| TP1 | Chemiker-zeitung, Heidelberg. vol. 1, 1877 + |
| QD1 | Chemische Berichte, Weinheim/Bergstr. (Deutsche Chemische Gesellschaft). vol. 1, 1868 + |
| TP1 | Chemische Industrie, Dusseldorf. vol. 1, 1949 + |
| QD1 | Chemische Technik, Berlin. vol. 3, 1951 + |
| TP1 | Chemisches Zentralblatt, Berlin. vol. 68, 1897 + |
| TP1 | Chemist-analyst, Phillipsburg, N.J. (Current issues only). |
| TP1 | Chemistry, Washington, D.C. (Current issues only). |
| TP1 | Chemistry & industry, London. vol. 1, 1923 + |
| TP1 | Chemistry of high polymers, Tokyo. vol. 18, No. 189, 1961 + |
| TP1 | Chimia, Zürich. vol. 1–2, 4, 1947 + |
| QD1 | Chimica e l'industria, Milan. vol. 1–21, [22] 23–26, 28, 1919 + |
| QD1 | Chimie analytique, Paris. 1st ser. vol. 15, 1910 + [1946–48] |
| TP1 | Chimie & industrie, Paris. vol. 1–50 [51] 53, 1918 + |
| QD1 | Chimica chronika, Athens. vol. 21, No. 12, Dec. 1956 + |
| QD1 | Ciencia; revista hispano-americana de ciencias puras y aplicadas, Mexico, D.F. (Current issues only). |
| QD1 | Ciencias, Madrid (Anales de la Asociacion Espanola para el Progreso de ...). vol. 23, No. 1, 1958 + |
| QD1 | Civil engineer in South Africa (Die Siviele ingenieur in Suidelike Afrika), Transactions of the South African Institution of Civil Engineers, Johannesburg, vol. 1, No. 1, Jan. 1959 + |
| QD1 | Civil engineering, New York. vol. 1, 1930 + |
| QD1 | Clay science, Tokyo. vol. 1, No. 1/2, 1960 + |
| QD1 | Cobalt, Brussels & Columbus, Ohio. No. 1, Dec. 1958 + |
| QD1 | Collection of Czechoslovak chemical communications, Prague. vol. 1, 1929 + |
| QD1 | Colloquium mathematicum, Wroclaw. vol. 1, No. 1, 1947 + |
| QD1 | Colombo. Laboratorio Quimico Nacional, Bogota. Boletin, No. 1, 1964 + |
| TN1 | Colorado school of mines, Golden. Quarterly, vol. 1, 1908 + |
Combustibles, Zaragoza. vol. 8, 1948 +

Combustion, New York. (Current issues only.)


Comité International des Poids et Mesures, Paris. 1875 +

Commentarii mathematici helvetici, Zürich. vol. 1, 1929 +


— Rapport C.E.A., No. 1, 1948 +

Communication and electronics, New York. (Transactions of the American Institute of Electrical Engineers). No. 1, July 1952 +

Communications on pure and applied mathematics, New York. vol. 1, 1948 +

Computer journal, London. vol. 1, 1958 +


Constructor, Baltimore. (Current issues only.)

Contemporary physics, London. vol. 1, 1959 +

Contractors and engineers, New York. (Current issues only.)

Control engineering, Albany, N.Y. vol. 1, 1954 +

Co-operative engineer, Cincinnati. vol. 1-28 [29-31] 32, 1921 +

Copper and brass bulletin, New York. (Current issues only.)

Cornell engineer, Ithaca, N.Y. vol. 1, 1935 +

Corrosion, Houston, Tex. vol. 1, 1945 +

Corrosion abstracts, Houston, Tex. vol. 1, No. 1, Jan. 1962 +

Corrosion science, New York & London. vol. 1, No. 1, Aug. 1961 +

Corrosion technology, London. vol. 1, 1954 +

Courrier de la normalisation, Paris (Association Française de Normalisation). vol. 20, 1953 +

Croatica chemica acta, Zagreb, Yugoslavia. vol. 18, 1946 +

Cryogenies London. vol. 1, No. 1, Sept. 1960 +

Cumulative book index, New York. 1938 +

Cumulative bibliography, New York. 1949 +

Current chemical papers, London (Chemical Society). 1954 +


Current contents; social sciences, Philadelphia. vol. 4, No. 13, July 10, 1959 +

Current contents; space and physical sciences, Philadelphia. vol. 2, No. 1, Jan. 2, 1962 +

Current science, Bangalore. vol. 1, 1933 +

Czechoslovak journal of physics, Prague. vol. 1, 1952 +

Czechoslovak mathematical journal, Prague. vol. 1, 1951 +


DIN—Mitteilungen, Berlin (Deutscher Normenausschuss). vol. 10-25, 29, 1927 +

Daedalus, Cambridge, Mass. (formerly Proceedings of the American Academy of Arts and Sciences). vol. 12, 1876 +

Danish Atomic Energy Commission, Risø, Report, No. 2, 1958 +

Dansk Selskab Bygningsstatik, Copenhagen. Meddelelser, vol. 1, 1929 +

Danske Videnskabernes Selskab, Copenhagen. Matematisk-fysiske meddelelser, vol. 1, 1917 +

Matematisk-fysiske skrifter, vol. 1, No. 1, 1956 +

Datamation, New York (formerly Magazine of datamation). (Current issues only.)

Defense Academy, Ovaradai, Yokosuka, Japan. Memoirs (Mathematics, physics, chemistry and engineering), vol. 1, No. 5, Mar. 1960 +


Delft. Metaalinstuut T.N.O. Publicatie (formerly Circulaire), No. 1, 1949 +


Delft. Vereniging T.N.O. Circulaire, No. 1/2, 1949 +

Delft. Vezeleinstituut T.N.O. Mededelingen, No. 1, 1921 +

—V.I.—Pamflet, No. 1, 1947 +

Denmark. Justervaesenet. Bakendigester fra justervaesenet, No. 1, 1913 +

Dental abstracts, Crawfordsville, Ind. vol. 1, 1956 +

Dental digest, Evanston, Ill. 1950 +

(UNBOUND; many issues missing.)

Dental progress, Chicago. vol. 1, No. 2 Jan. 1961 +

Design news, Detroit. (Current issues only.)


Deutsche Versuchsanstalt für Luftfahrt E.V., Mülheim (Ruhr). Bericht, No. 1, 1953 + (Some numbers missing.)

Deutscher Ausschuss für Stahlbau. Berichte, No. 1, 1915 +

Deutscher Ausschuss für Stahlbeton. No. 1-93, 96, 99, 1907 +

Diesel equipment superintendent, Stanford, Conn. (Current issues only.)

Dienstleistungscomputer (Office of Naval Research, Mathematical Sciences Division). vol. 11, No. 1, Jan. 1959 +
Direct current, London. vol. 1, 1952-54 +

Discovery, Norwich, Eng. vol. 20, No. 1, Jan. 1950 +

Dissertation abstracts, Ann Arbor, Mich. vol. 2, No. 2, 1940 + (Unbound.)

District heating, Pittsburgh. (Current issues only.)

Domestic engineering, Chicago. (Current issues only.)


Duke mathematical journal, Durham, N.C. vol. 1, 1935 +


Dun's review and modern industry, New York. (Current issues only.)


Dyer, London. vol. 62, 1929 +

Dyestuffs, New York. (Current issues only.)

ETJ of Japan (Electrotechnical journal of Japan), Tokyo. vol. 3, No. 1, Mar. 1957 +


Econometrica, Menasha, Wis. vol. 16, 1948 +


Electrical communication, New York. vol. 1, 1922/3 +

Electrical engineering, New York. vol. 1, 1897 +

Electrical engineering abstracts See Science abstracts, Sect. B.

Electrical export review, London. vol. 1, No. 1, Apr./June 1962 +

Electrical journal, London. vol. 1, 1878 +

Electrical review, London. vol. 57, 1905 +

Electrical west, San Francisco. (Current issues only.)

Electrical world, New York. vol. 3, 1884 +


Electrochimica acta, New York. vol. 1, 1959 +

Electronics age, New York (formerly Radio age). vol. 1, 1941 +


Electronic design, New York. vol. A, No. 1, Dec. 1952 + (Unbound.)

Electronic engineering, London. vol. 19, 1947 +

Electronic industries, New York. vol. 1, 1942 +

Electronic technology (formerly Electronic & radio engineer, and Wireless engineer), London. vol. 1, 1923 +

Electronics, New York. vol. 1, 1930 +


Electronics world, Chicago (formerly Radio and TV news). vol. 1, 1919 +

Electroplating and metal finishing, Teddington, England. vol. 1, 1947-48 +

Electrotechnics, Bangalore. vol. 1, 1926 +

Electro-technology, Bangalore. vol. 4, No. 4, July/Aug. 1960 +

Electro-technology, New York (formerly Electrical manufacturing). (Current issues only)

Elektrie Berlin (formerly Deutsche Elektrotechnik), vol. 1, 1947 +

Elektronik, Münch. vol. 4-6, [7] 8, 10, 1955 +

Elektronische Rechenanlagen, Münch. vol. 1, 1959 +

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<td>Progress of theoretical physics, Osaka. vol. 1, 1946 +</td>
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<td>—Supplements, No. 1, 1955 +</td>
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<td>Progressive architecture, New York. (Current issues only.)</td>
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<td>Psychometrika, Richmond, Va. (Current issues only.)</td>
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<td>Public administration review, Chicago. vol. 14, No. 3, 1954 +</td>
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<td>Purdue University, Lafayette, Ind. Engineering Experiment Station. Research bulletin, No. 1, 1918 +</td>
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<td>.P8</td>
<td>—Engineering Extension Department. Extension series. No. 1, 1922 +</td>
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<td>Quarterly journal of mechanics and applied mathematics, Oxford. vol. 1, 1948 +</td>
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<td>Quarterly of applied mathematics, Providence, R.I. vol. 1, 1943 +</td>
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R & D; research and development for industry, London. No. 1, Sept. 1961 +

TK640 .R12

RCA review, New York. vol. 1, 1936 +

TK640 .R13


—Technical report, 1959, No. 1 +

RRE journal (Radar Research Establishment), Malvern, England. No. 34, 37, 1954 +

TK640 .T15


TN948

Radex Rundschau, Vienna. 1946 +

QC770 .R3

Radiation research, New York. vol. 1, 1954 +

TK640 .R34

Radio-electronics, New York. vol. 1, 1929 +

R.R.A., television and hobbies, Sydney, Australia. (Current issues only.)

QC481 .R21

Radiography, London. vol. 1-13, 15, 1935 +

RM831 .R3

Radiology, Syracuse, N.Y. vol. 68, 1957 +

QD115 .R2

Radiometer news, Copenhagen. No. 1, 1960 +

QC770 .J62

Radiometer polarographs, Copenhagen. vol. 1, 1950 +


QC770 .J62


QC770 .J62


QC770 .J62


TK9001 .R4


TL502 .R32


QD1 .R3

Record of chemical progress, Detroit. vol. 23, No. 1, Mar. 1962 +

TN677 .A1R4

Recueil des travaux chimiques des pays-bas, Amsterdam. vol. 1, 1882 + [63, 1944]

TL12 .R4

Regelungstechnik, Münch. vol. 1, 1953 +

TJ212 .R4

Regelungstechnische praxis, Münch (supplement to Regelungstechnik). vol. 1, 1959 +

TA680 .R4

Reinforced concrete review, London. vol. 1, 1945 +

QC801 .R4

Reports of ionosphere and space research in Japan. Tokyo. vol. 1-3 [4-6] [7-8] 9, 1947 +

T1 .R12

Research and industry, New Delhi. vol. 1, 1956 + (vol. 1, No. 1 missing)

Q1 .R43

Research applied in industry, London. vol. 1, 1947 +

TP934 .R4

Research Association of British Paint, Colour and Varnish Manufacturers, London. Review of current literature relating to paint, colour, varnish and allied industries. vol. 1-7, 10, 1937 +

Q91 .R4


Sect. G: Geo-sciences, vol. 8, 1959 + Research and development, Chicago. (Current issues only.)

TA1 .R4

Research engineer, Atlanta, Ga. 1946 +

Q4 .R9

Research management, New York. (Current issues only.)

QD1 .R326


TP1 .R3


R34 .R5

Review of scientific instruments, New York. vol. 1, 1930 +

QC1 .R4

Reviews of modern physics, New York. vol. 1, 1929 +

QD1 .R673

Reviews of pure and applied chemistry, Melbourne. vol. 1, 1951 +

Q4 .R6

Revista de ciencia aplicada, Madrid. vol. 11, 1957 +

R3 .R7

Revista de física, Río de Janeiro. vol. 9, No. 4, 1950 +

TP1 .R3

Revista de quimica industrial, Río de Janeiro. vol. 5, 1936 +

RK4 .R45

Revista electrotecnica, Buenos Aires. vol. 1-27, [28], 29, 1914 +

R9 .R4

Revista telegrafica electronica, Buenos Aires. (Current issues only.)

TJ4 .R3


TJ4 .R3

Revue Brown Boveri, Baden. vol. 7, 1920 +

R3 .R4

Revue d'electrotechnique et d'énergetique, Bucharest. vol. 5, No. 1, 1958 +

QC350 .R4

Revue d'optique, Paris. vol. 1, 1922 +

R4 .R4

Revue de l'aluminium, Paris. vol. 1-9, 23, 1924 +

R4 .R4

Revue de mathématiques pures et appliquées, Bucharest. vol. 4, 1959 +

R4 .R4

Revue de mécanique appliquée, Bucharest. vol. 2, 1957 +

R4 .R5

Revue de métallurgie, Paris. vol. 1-36 [37] [38-43] [44-5] 46, 1904 +

R4 .R5

Revue de métrologie, Paris. vol. 1, 1923 +

R4 .R5

Revue de physique, Bucharest. vol. 1, 1956 +

R4 .R5

Revue des fermentations et des industries alimentaires, Brussels. vol. 1, 1946 +

R4 .R5

Revue des matériaux de construction et de travaux publics, Paris. vol. 21, 1925 +

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TA480 .N6A25

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Rubber world, New York. vol. 48, 1913 +
Rundfunktechnische mitteilungen, Hamburg. vol. 4, No. 1, Feb. 1960 +

SAAB Aircraft Company, Linköping, Sweden. SAAB technical notes, No. 1, 1951 +
SIAM review (Society for Industrial and Applied Mathematics), Philadelphia. vol. 1, No. 1, Jan. 1959 +
SPE journal (Society of Plastics Engineers), Stamford, Conn. vol. 5, 1949 +
SPE transactions, Stamford, Conn. vol. 1, No. 1, Jan. 1961 +
Safety maintenance & production, New York. vol. 28, 1914 +
Sanhya; the Indian journal of statistics, Calcutta. vol. 9, 1948 +
Sao Paulo. Instituto de Pesquisas Tecnologicas do Estado de Sao Paulo. Boletim, No. 1, 1927 +
Scale journal, Chicago. vol. 1, 1914 +
Schweizer Archiv für angewandte Wissenschaft und Technik, Solothurn. vol. 1, 1935 +
Schweizerische bauezeitung, Zürich. vol. 93-118 [119-20] 127, 1929 +
Schweizerische technische zeitschrift, Zürich. vol. 1-21, 1926-46; (change in vol. no.) vol. 48, 1951 +
Science et industries photographiques, Paris. vol. 18, 1947 +
Science news letter, Washington D.C. (Current issues only.)
Science of light, Tokyo. vol. 1, 1951 +
Science progress, London. vol. 13, 1918 +
Science tools, Stockholm. vol. 1, 1954 +
Scientia, Valparaiso, Chile. vol. 17, 1928 +
Scientific American, New York. vol. 138, 1928 +
Scientific meetings; a list of forthcoming meetings, Hamilton, Ohio. (Special Libraries Association.) vol. 2, No. 1 1958 +
Séries mathematica, New York. vol. 18, 1952 +
Slovak technika, Prague. vol. 5, 1957 +
Semiconductor products, New York. vol. 4, No. 1, Nov. 1961 +
Scientia, Japan. Tohoku University. Science reports. 1st series, vol. 1-3, 1935 [34] 1931 +
— Science reports. 3d series, vol. 1-3, 6, 1921 +
— Technology reports, vol. 1, 1920 +
Sheet metal industries, London. vol. 27, 1950 +
Short wave magazine, London. vol. 15, No. 12, Feb. 1958 +
Siemens review, Berlin. vol. 1-16, 20, 1925 +
Slihn, London. (Current issues only.)
Signal, Washington, D.C. (Current issues only.)
Silicates industriels, Brussels. vol. 14, 1949 +
Silikat technik, Berlin. vol. 3 [4-5] 6, 1952 +
Silikaty, Prague. vol. 3, 1959 +
Skandinavisk aktuartietidskrift, Uppsala. vol. 10, 1927 +
Skinner's silk & rayon record, Manchester, England. vol. 7-16, 19-22, 24, 26, 1933 +
Sky and telescope, Cambridge, Mass. (Current issues only.)
Slabproudny obzor, Prague. vol. 18, 1957 +
—Razprave, vol. 1, 1950 +
Smithsonian contributions to astrophysics, Washington, D.C. vol. 1, No. 1, 1956 +
Sociedad Chilena de Química, Conception. Boletín, vol. 8, No. 1/2, Dec. 1958 +
Sociedad Científica y Tecnológica, Buenos Aires. Anales. vol. 121, 1936 +
Sociedad Cubana de Ingenieros, Havana. Revista. (Current issues only.)
Ser. A.—Física, vol. 44, 1948 +
Ser. B.—Química, vol. 44, 1948 +
(45, No. 12 missing)
Sociedad Matemática Mexicana, Mexico. Boletín, vol. 1-8, 10-11, 1943-54; 2d series, vol. 1, 1956 +
Societatea de Stiinte Matematice si Fizice din R.P.R., Bucharest. Bulletin mathe- 
matique ... (Nouvelle series), vol. 1 (49), 1957 +
Sociedades Hydrotechnique de France, Paris. Mémoires & travaux (supplement to La 
Houille blanche). (Current issues only.)
42 missing)
Sociedades Scientifique de Bretagne, Rennes. Bulletin. (Current issues only.)
Sociedades Vaudoise des Sciences Naturelles, Lausanne. Bulletin. (Current issues only.)
Sociedades for Experimental Stress Analysis, Cambridge, Mass. Proceedings. vol. 1, 1943 +
Sociedades of Chemical Industry, London. Chemical Engineering Group. Proceed- 
is, vol. 1, 1919 +
Solid state abstracts, Cambridge, Mass. vol. 1, No. 1, Oct. 1960 +
Solid state design, Brooklyn, Mass. (formerly Solid state journal), vol. 1, No. 1, July/Aug. 1960 +
Sound, its uses and control (including Noise control, Shock and Vibration), New 
york, vol. 4, No. 1, Jan./Feb. 1962 +
South Africa. Laws, Statutes, etc., Pretoria. . . . Weights and measures act (1922) Notice of examination of pattern ... No. 1, 1923 +
South African Chemical Institute, Johan-
nesburg. Journal, vol. 1, 1945 +
South African industrial chemist, Johan-
nesburg. vol. 1, 1947 +
South African journal of science, Johan-
nesburg. vol. 46, 1949 +
South African standards bulletin, Pretoria. vol. 1, 1947 +
Southern paper and paper manufacturer, Atlanta, Ga. (Current issues only.)
Southern telephone news, Atlanta, Ga. (Current issues only.)
Space/aeronautics, New York. (Current issues only.)
Spain. Consejo Superior de Investigaciones Científicas, Instituto del Hierro y del 
Acero. Instituto del hierro y del acero, vol. 6, 1953 +
—Departamento de Informacion Tecnica. 
Fichas tecnicas, vol. 13, No. 145, 1960 +
Spain. Instituto Nacional de Electronica. 
Revista tecnica, vol. 1, No. 3, July 
1958 +
Spectrochimica acta, Berlin. vol. 1, 1939 +
Spectroscoopia molecular, Chicago. vol. 1, 1952 +
Sperry engineering review, Great Neck, N.Y. (Current issues only.)
Sperryscope, New York. (Current issues only.)
Sprechsaal, Coburg. vol. 45-73 [74] [77] 
83, 1912 +
Stahl und eisen, Düsseldorf. vol. 4, 
1884-+ [65, 1945]
Stahlbau, Berlin. vol. 1-13 [14], 15, 16, 
[17], 20, 1928 +
Stanford University. Applied Mathematics 
and Statistics Laboratory. Technical 
reports, No. 1, 1952 +
Steel, Cleveland. vol. 87, 1930 +
Steel construction digest, New York. 
(Current issues only.)
Steel facts, New York (American Iron 
Steel Institute). No. 1, 1934 +
Steel Structures Painting Council, Pitts-
burgh. Painting bulletin, vol. 1, No. 1, 
July 1955 +
Steelways, New York. No. 1, 1945 +
### 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 translation agency is also listed.

**TN4**
- Part B: The Science of Metals, No. 1, Jan. 1956 +

**QD1**

**QC801**

**QC1**

**Q1**

**Q1**
- Advances in chemistry (Eng. transl. of Uspekhi khimi) See Russian chemical reviews.

**Q1**
- Advances in the physical sciences (American Institute of Physics). Uspekhi fizicheskikh nauk, vol. 61-3; 66, 1957 +

**Q60**

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<td>Zentralblatt für Mathematik und ihre Grenzgebiete, Berlin. vol. 1-51, 53-8, 60-61, 64-67, 68-9, 1931 +</td>
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<td>Zürich. Eidgenössische Technische Hochschule, Institut für Aerodynamik. Mitteilungen, No. 1, 1934 +</td>
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<td>Zürich. Eidgenössische Technische Hochschule. Institut für Biologie. Mitteilungen, No. 1, 1936 +</td>
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<td>Zürich. Eidgenössische Technische Hochschule. Institut für Thermodynamik. Mitteilungen, No. 1, 1937 +</td>
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<td>Zürich. Eidgenössische Technische Hochschule. Versuchsanstalt für Wasserbau. Mitteilungen, No. 1, 1942 +</td>
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<td>A51</td>
<td>Akademiia Nauk Estonskoi SSSR. Institut Fiziki i Astronomii. Issledovaniia po fizike atmosfer, No. 1, 1959 +</td>
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<td>A553</td>
<td>Atomicheskii zhurnal, vol. 3, No. 4, 1957 + (vol. 6 incomplete)</td>
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<td>Astronomicheski zhurnal, vol. 39, No. 1, Jan./Feb. 1962 +</td>
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<td>Atomic energy (Eng. transl. of Atomnaia energii) See Soviet journal of atomic energy</td>
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Soviet physics. Uspekhi. See Advances in the physics sciences (Uspekhi fizicheskikh nauk).

Soviet rubber technology (Maclaren & Sons Ltd., London). Kauchuk i rezina, vol. 18, No. 1, Jan. 1959 +


Standartizatsiya, 1959, No. 1–12; 1962, No. 1, Jan. +

Stroitelnaya mekanika i raschet sooruzhenii, No. 1, 1962 +


Tekhničeskaya veroyatnost’ i ee primeneniya, vol. 5, No. 2, 1960 +

Transatom bulletin, Brussels (Communauté Européenne de L’Energie Atomique), vol. 1, No. 1, Dec. 1960 +


U.S. National Institutes of Health. Library. Translating Section. Recent translations, a selected list, Jan. 1959 + (Some issues missing)


—English abstracts of selected articles from Soviet Bloc and Mainland China technical journals.

Ser. I: Physics, geophysics, astrophysics, astronomy, astronautics and applied mathematics, No. 1, 1961 +

Ser. II: Chemistry, chemicals and chemical products, No. 1, 1961 +

Ser. III: Metallurgy, metals, metal products, and nonmetallic materials, No. 1, 1961 +

Ser. IV: Engineering (mechanical, electrical, aeronautical, nuclear, petroleum, structural, and civil) machinery and equipment (general and special purpose), No. 3, 1961 +

Ser. V: Communications, transportation, navigation, electrical and electronic equipment, systems and devices, including aircraft and missile equipment. No. 1, 1961 +

Ser. VI: General science and miscellaneous, including meteorology, oceanography, biology, astrophysics, botany, zoology, medical science, aeromedicine, education, fuels, fuel products, power, No. 1, 1961 +


Zhurnal analiticheskoi khimii, vol. 15, No. 6, 1960 +

Zhurnal eksperimental’noi i teoreticheskoi fiziki, vol. 1–10 [14–16] [20] [26] 27, 1931 +


Zhurnal neorganicheskoi khimii, vol. 2, 1957 +


Zhurnal prikladnoi khimii, vol. [7–8] [10–12] [17–18] [24] 27, 1951 +

THE NATIONAL BUREAU OF STANDARDS

The scope of activities of the National Bureau of Standards at its major laboratories in Washington, D.C., and Boulder, Colorado, is suggested in the following listing of the divisions and sections engaged in technical work. In general, each section carries out specialized research, development, and engineering in the field indicated by its title. A brief description of the activities, and of the resultant publications, appears on the inside of the front cover.

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RADIO STANDARDS LABORATORY

