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**Periodicals and Serials Received in the Library
of the National Bureau of Standards, April 1955**

UNITED STATES DEPARTMENT OF COMMERCE

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**Periodicals and Serials Received in the
Library of the National Bureau of Standards
April 1955**

Natalie J. Hopper and Dorothy H. Pepperman



National Bureau of Standards Circular

Issued August 15, 1955

The issuance of annual mimeographed supplements to this Circular is planned, and addresses will be added to the mailing list to receive these supplements on request to: National Bureau of Standards Library, Washington 25, D. C.

Periodicals and Serials Received in the Library of the National Bureau of Standards April 1955

Natalie J. Hopper and Dorothy H. Pepperman*

An alphabetically arranged list of the periodicals and serials received in the National Bureau of Standards Library is given, including American and foreign journals. Some 1,600 such documents are cited, together with the call number indicating the location of each item on the Bureau Library shelf. Although the material is organized primarily for use by the Bureau's scientific and technical staff, the information is of value to libraries, scientific and technical organizations, research workers, and others concerned with the problem of effective library planning, organization, facilities, and service in meeting the need of the scientific worker for the current literature in his field of research activity.

1. Introduction

The National Bureau of Standards is engaged in fundamental and applied research in the fields of physics, chemistry, engineering, and mathematics, including, under these four headings, the specialized subjects of electricity and electronics, optics and metrology, heat and power, atomic and radiation physics, chemistry, mechanics, organic and fibrous materials, metallurgy, mineral products, building technology, applied mathematics, data-processing systems, cryogenic engineering, radio propagation, and radio standards.

In conducting the various Bureau programs in these research fields, there is continuing need by the scientific staff to have conveniently available for reference use selected scientific and technical journals reporting the research results and activities of the leading research and standardizing laboratories and organizations of the world, and by individual research workers engaged on problems within the scope of the Bureau's scientific interest.

The Bureau's technical Library is receiving a large number of scientific and technical publications for use by its staff, and many Federal agencies take advantage of the availability of the Library facilities in connection with problems of importance to the Government, including many volumes not readily available elsewhere.

Although the list has been compiled by the Bureau Library staff to inform the various scientific and technical units of the Bureau of currently received periodicals, it is believed that the references will also be useful to librarians, research workers, and others concerned with technical library planning administration, and facilities.

*Compiled under the direction of Sarah Ann Jones.

2. Alphabetical List

The titles are arranged in alphabetical order as they are shelved; those beginning with the letters A to L at the East end of the Library, and M to Z at the West end. The arrangement of the titles is the same as the entries in the main catalog for the 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 construccion. Publications.

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

The footnote references given through the list of titles have the following significance:

- ¹ Current issues in the Library, bound volumes are deposited in another NBS Section.
- ² Additional copies in another NBS Section.
- ³ Sent to another NBS Section.
- ⁴ Two copies in the Library, one is for reference use.
- ⁵ For reference use in Library only.
- ⁶ Bound volumes in the Library, current issues sent to another NBS Section.

A

- AGARD memorandum, Palais de Chaillot, Paris.
 AGARDograph, Palais de Chaillot, Paris.
 A. T. E. journal (Automatic telephone & electric co. Ltd., Strowger works) Liverpool, England.
 A. W. A. technical review (Amalgamated wireless Australasia), Sydney, Aus.
 Abo, Finland. Akademi. Acta Academiae aboensis. Mathematica et physica.
 Academia de ciencias de Zaragoza. Revista. Series 2a.
 Academia de ciencias físicas, matemáticas, y naturales, Caracas, Venezuela. Boletín.
 Academie des sciences, Paris. Comptes rendus.
 Academie polonaise des sciences, Warsaw. Bulletin. Classe troisieme.
 Academie royale de Belgique, Brussels. Classe de sciences. Bulletin.
 Academie royale de Belgique, Brussels. Classe de sciences. Memoires.
 Academie tcheque des sciences, Prague. Classe de sciences mathematiques naturelles et de la medicine. Bulletin international.
 Accademia dei Lincei, Rome. Atti . . . Classe di scienze fisiche, matematiche e naturali. Rendiconti.
 Accademia dei Lincei, Rome. Classe di scienze fisiche, matematiche e naturali. Memorie, Sez. Ia (Matematica, meccanica, astronomia, geodesia e geofisica).
 Accademia dei Lincei, Rome. Classe di scienze fisiche, matematiche e naturali. Memorie, Sez. IIa (Fisica, chimica, geologia, paleontologia e mineralogia).
 R. Accademia delle scienze, Turin. Atti . . . Classe di scienze fisiche, matematiche et naturali.
 Acier-stahl-steel; revue internationale des applications de l'acier, Brussels.
 Acoustical society of America, N. Y. Journal.¹
 Acoustical society of Japan. Tokyo. Journal.
 Acta chemica scandinavica, Copenhagen.
 Acta crystallographica, Copenhagen.
 Acta mathematica, Budapest.
 Acta mathematica, Stockholm.
 Acta metallurgica, N. Y.
 Acta physica, Budapest (Academiae scientiarum hungaricae).
 Acta physica austriaca, Vienna.
 Acta physica polonica, Poland.
 Acta polytechnica, Stockholm.
 Acta radiologica, Stockholm.
 Acta scientiarum mathematicarum, Szeged, Hungary.
 Acustica, Zürich.
 Addison-Wesley newsletter, Cambridge.
 Adhesives and resins, London.
 The Advancement of science, London. (British association for the advancement of science).
 Advances in physics, London (a quarterly supplement of the Philosophical magazine).
 Aero digest, N. Y.
 Aeronautical engineering review, N. Y.
 Aeronautical quarterly, London (Royal aeronautical society).
 Aeroplane, London.
 L'Aerotecnica, Rome.
 Air conditioning, heating and ventilating, N. Y.

TK6540.A15

QA1.A3

Q65.A2

Q46.A14

Q56.A252

Q56.A25

QC21.A23

QC1.A24

TA684.077

QC221.A4

QD1.A325

QD901.A22

QA1.A16

QA1.A18

TN1.A25

QC1.A33

QC1.A34

QC1.P852

T4.A2

RM831.A25

QC221.A25

TP967.A3

Q41.B812

QC1.A341

TL501.A292

TL501.A326

TL501.A4

TL501.A552

TL504.A36

TH7201.H4

- Air conditioning and refrigeration news, Detroit.³
 Air forec Cambridge rsearch center. Cambridge, Mass. Geophysical research papers.
 Air force Cambridge research center. Cambridge, Mass. Instrumentation for geophysical research.
 Aircraft engineering, London. **TL501.A5615**
 Aix-Marseille. Faculte des sciences. Annales. **Q46.M3**
 Akademie der wissenschaften, Berlin. Klasse für mathematik und allgemeine naturwissenschaft-
 ten. Abhandlungen. **QA1.A4**
 Akademie der wissenschaftern, Berlin. Klasse für mathematik und allgemeine naturwissenschaft-
 ten. Sitzungsberichte. **Q49.A4**
 Akademie der wissenschaften, Göttingen. Math-
 ematisch-physikalische klasse. Biol.-physiol.
 chem. abt. Nachrichten. **QA1.A423**
 Akademie der wissenschaftep, Göttingen. Mathe-
 matisch-physikalische klasse. Math.-phys. abt.
 Nachrichten. **QA9.A5**
 Akademie der wissenschaften, Vienna. Sitzungs-
 berichte, Abt. IIa (Mathematik, astronomie,
 physik, meteorologie und technik). **QA9.A5**
 Akademie der wissenschaften, Vienna. Sitzungs-
 berichte, Abt, IIb (Chemie). **QA9.A5**
 Akademie van wetenschappen, Amsterdam. Pro-
 ceedings. Ser. A—Mathematical sciences. **Q57.A561**
 Akademie van wetenschappen, Amsterdam. Pro-
 ceedings. Ser. B—Physical sciences. **Q57.A561**
 Akademie van wetenschappen, Amsterdam. Pro-
 ceedings. Ser. C—Biological and medical
 sciences. **Q57.A561**
 K. Akademie van wetenschappen, Amsterdam. **Q57.A53**
 Afdeling natuurkunde. 1. sectie Verhandelin-
 gen . . .
 Akademiet for de tekniske videnskaber, Copen-
 hagen. Beretning. **T4.A45**
 Akustische beihefte (supplement to Acustica),
 Zürich. **QC221.A25**
 Alabama polytechnic institute, Auburn. Engi-
 neering experiment station. Bulletin. **TA416.A4**
 Alberta Research Council. Annual reports. **Q21.R4**
 Allgemeine elektricitätsgesellschaft, Berlin. AEG **TK3.A2**
 mitteilungen.
 Allis-Chalmers electrical review, Milwaukee. **TK1.A26**
 Allmänna svenska elektriska aktiebolaget, Vas-
 teras. ASEA journal. **TK1.A68**
 Allmänna svenska elektriska aktiebolaget, Vas-
 teras. ASEA revue. **TK4.A5**
 Allmänna svenska elektriska aktiebolaget, Vas-
 teras. ASEAs tidning. **TK4.A4**
 Alloy casting bulletin, Mineola, N. Y.
 Aluminium, Milan. **TS550.A5**
 Alta frequenza, Milan. **TK6540.A5**
 Aluminium, Düsseldorf. **TS550.A57**
 Aluminium development association, London.
 Information bulletin.
 Aluminium development association, London.
 Reprints.
 Aluminium development association, London.
 Research reports.
 American academy of arts and sciences, Boston, **Q11.B7**
 Proceedings.
 American aviation, Washington, D. C.
 American builder, Chicago.³
 American ceramic society, Columbus, Ohio. Bul-
 letin. **TP785.A63**

American ceramic society, Columbus, Ohio. Journal and ceramic abstracts.	TP785.A62
American chemical society, Columbus, Ohio. Journal. ²	QD1.A5
American city, N. Y. ³	
American concrete institute, Detroit. Journal.	TA681.A5
American dental association, Chicago. ³ Journal.	RK1.A53
American documentation, Washington, D. C. ³	
American dyestuff reporter, N. Y. ²	TP890.A6
American electroplaters society, Newark, N. J. ³ Proceedings.	TS670.A33
American foundryman, Chicago.	TS200.A7527
American foundrymen's society, Chicago. Transactions.	TS200.A752
American gas association, N. Y. Annual convention. Proceedings.	TP700.A3
American gas association, N. Y. Natural gas department. Proceedings . . . annual meeting.	TP700.A31
American gas journal, N. Y. ³	TP700.A5
American geophysical union, Washington, D. C. Transactions.	QE500.A6
American institute of architects, Washington, D. C. Bulletin. ⁶	NA1.A3257
American institute of architects, Washington, D. C. Journal. ⁶	NA11.A326
American institute of electrical engineers, N. Y. Transactions.	TK1.A6
American iron and steel institute, N. Y. Annual statistical report.	HD9514.A5
American iron and steel institute, N. Y. Contributions to the metallurgy of steel.	
American iron and steel institute, N. Y. Year-book.	TS300.A56
American journal of mathematics, Baltimore.	QA1.A51
American journal of nursing, Concord, N. Y. ³	
American journal of physics, N. Y. ⁴	QC1.A47
American journal of roentgenology, Springfield, Ill.	RM845.A3
American journal of science, New Haven, Conn.	Q1.A5
American leather chemists' association, Easton, Pa. Journal.	TS940.A5
American machinist, N. Y.	TJ1.A5
American mathematical monthly, Buffalo, N. Y.	QA1.A515
American mathematical society, N. Y. Bulletin.	QA1.A52
American mathematical society, N. Y. Proceedings.	QA1.A516
American mathematical society, N. Y. Transactions.	QA1.A522
American mathematical society, N. Y. Translations.	QA1.A523
American medical association, Chicago. Journal. ³	
American meteorological society, Lancaster, Pa. Bulletin.	
American mineralogist, Ann Arbor, Mich.	QE351.A7
American oil chemists' society, Chicago. Journal. ⁶	TP670.A5
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American petroleum institute, N. Y. Proceedings.	
American petroleum institute, N. Y. Statistical bulletin.	TN860.A5
American philosophical society, Philadelphia. Proceedings.	Q11.P52
American physical society, N. Y. Bulletin.	QC1.A56
American scientist, New Haven, Conn.	
American society for metals, Cleveland. ASM review of metal literature.	TN1.A58

- American society for metals, Cleveland. Transactions. **TS300.A76**
- American society for testing materials. Philadelphia. Bulletin. **TA401.A68**
- American society for testing materials. Philadelphia. Proceedings. **TA401.A5**
- American society of civil engineers, N. Y. Proceedings, (Separates). **TA1.A52**
- American society of civil engineers, N. Y. Transactions. **TA1.A5**
- American society of heating and ventilating engineers, N. Y. Transactions. **TH7201.A5**
- American society of mechanical engineers, N. Y. Transactions. **TJ1.A7**
- American society of naval engineers, Washington, D. C. Journal. **VM1.A5**
- American society of refrigerating engineers, N. Y. Refrigeration abstracts.
- American society of training directors, Madison, Wis. Journal.³
- American statistical association, Washington, D. C. Journal. **HA1.A6**
- American statistician, Washington, D. C.³
- American water works association, N. Y. Journal. **HA1.A65**
- American zinc institute, N. Y. Journal. **TD201.A512**
- Aminco laboratory news (American instrument company, Silver Spring, Md.).
- Amsterdam. Mathematisch centrum. Rapport R.
- Amsterdam. Mathematisch centrum. Scriptum.
- Amsterdam. National luchtvaartlaboratorium. Reports.
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- Anales de la direccion nacional de quimica, Buenos Aires.
- The Analyst, London.³ **QD71.A45**
- Analytica chimica acta, Amsterdam and N. Y. **QD71.A47**
- Analytical abstracts, London (published with The Analyst).
- Analytical chemistry, Easton, Penna.²
- Angewandte chemie, Frankfurt, a.M.
- Annalen der meteorologie, Hamburg.
- Annalen der physik, Leipzig.
- Annales d'astrophysique, Paris.
- Annales de chimie, Paris.
- Annales de geophysique, Paris.
- Annales de physique, Paris.
- Annales de radioelectricite, Paris.
- Annales des mines . . . Paris.
- Annales des ponts et chausees, Paris.
- Annales des telecommunications, Paris.
- Annales francaises de chronometrie, Besancon.
- Annales pharmaceutiques francaises, Paris.
- Annali di geofisica, Rome.
- Annals of mathematical statistics, Baltimore.²
- Annals of mathematics, Princeton, N. Y.
- Appleton, Wis. Institute of paper chemistry.
- Library Bulletin . . . Library notes.
- Applications and industry, N. Y. (A. I. E. E.).
- Applied mechanics reviews, N. Y. (A. S. M. E.).
- Applied scientific research, The Hague. A. Mechanics, heat. **TK1.A6**
- Applied scientific research, The Hague. B. Electrophysics, acoustics, optics. **TA1.A63953**
- Applied spectroscopy, South Amboy, N. Y. (Society for applied spectroscopy). **QA801.A6**
- TP1.I615**
- QD1.Z3**
- QC851.A5**
- QC1.A6**
- QB1.A288**
- QD1.A715**
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- RS1.A615**
- QC801.A5**
- HA1.A8**
- QA1.A6**
- Z7914.P2A6**

- Applied statistics, London (Royal statistical society).
- Architectural forum, N. Y.³
- Architectural record, N. Y.⁶
- Archiv der elektrischen übertragung, Stuttgart.
- Archiv der mathematik, Karlsruhe.
- Archiv für das eisenhüttenwesen, Düsseldorf.
- Archiv für elektrotechnik, Berlin.
- Archiv für meteorologie, geophysik und bioklimatologie, Vienna. Ser. A: Meteorologie und geophysik.
- Archiv für meteorologie, geophysik und bioklimatologie, Vienna. Ser. B: Allgemeine und biologische klimatologie.
- Archiv für technisches messen, Münich.
- Archives des sciences, Geneva.
- Archives of biochemistry and biophysics, N. Y.
- Archives of industrial hygiene and occupational medicine, Chicago.³
- Archives of rubber cultivation, Djakarta Kota, Indonesia.
- Archiwum mechaniki stosowanej, Gdansk, Poland.
- Argentine republic. Comision nacional de la energia atomica. Publicaciones. Miscelanea.
- Argentine republic. Comision nacional de la energia atomica. Publicaciones. Serie fisica.
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- Arhiv za kemiju, Zagreb.
- Arizona. University. Bureau of Mines. Bulletin.
- Arizona. University. Engineering experiment station. Bulletin. Mechanical engineering series.
- Arkiv för astronomi, Stockholm (K. Svenska vetenskapsakademien).
- Arkiv för fysik, Stockholm. (K. Svenska vetenskapsakademien).
- Arkiv för geofysik, Stockholm (K. Svenska vetenskapsakademien).
- Arkiv för kemi, Stockholm (K. Svenska vetenskapsakademien).
- Arkiv för matematik, Stockholm (K. Svenska vetenskapsakademien).
- Armstrong trap magazine, Chicago.
- Asahi glass company ltd., Yokohama, Japan. Research laboratory. Reports.
- Asociacion del congreso Panamericano de ferrocarriles, Buenos Aires. Boletin.
- Asociacion quimica argentina, Buenos Aires. Anales.
- Associacao brasileira de metais, Sao Paulo. Boletim.
- Associacao brasileira de normas tecnicas, Rio de Janeiro. Boletim.
- Associacao brasileira de quimica, Sao Paulo. Boletim.
- Associacao quimica do Brasil, Sao Paulo. Anais.
- Association des ingenieurs electriciens sortis de l'institut electrotechnique Montefiore, Liege Bulletin.
- Association for computing machinery, N. Y. Journal.
- Association francaise des chimistes des industries du cuir . . . Paris. Bulletin.
- Association francaise des chimistes des industries du cuir . . . Paris. Conferences.

NA1.A63
TK3.A57
QA1.A66
TS300.A85
TK3.A6

TA165.A12.
Q4.A73
QP501.A77

TA4.A6

QD1.A72

QE500.A7

QC1.A651

QD1.A73

QA1.A7

QD1.A77

QD1.A81
TK2.A75

TS940.A7

- Association of iron and steel engineers, Pittsburgh Proceedings.
- Association of official agricultural chemists, Washington, D. C. Journal.⁶
- Association suisse des electriciens, Zürich. Bulletin.
- Associazione contoniera italiana, Milan. Notiziario.
- The Astronomical journal, New Haven, Conn.
- Astronomical society of the Pacific, San Francisco Publications.
- The Astrophysical journal, Chicago.
- Astrophysical journal, Chicago. Supplement.
- Atomes, Paris.
- Atomic scientists journal, London.
- Atomics and atomic technology, London.
- Audio engineering, Mineola, N. Y.
- Audio engineering society, N. Y. Journal.
- Australia. Commonwealth experimental building station. Duplicated document.³
- Australia. C. S. I. R. O. Abstracts of published papers of translations.
- Australia. C. S. I. R. O. Bulletin.
- Australia. C. S. I. R. O. Radiophysics laboratory. RPR reports.
- Australia. Council for aeronautics. Reports ACA.
- Australian journal of applied science, Melbourne.
- Australian journal of biological sciences, Melbourne.
- Australian journal of chemistry, Melbourne.
- Australian journal of dentistry, Melbourne.³
- Australian journal of instrument technology, Melbourne.
- Australian journal of physics, Melbourne.
- Australian journal of science, Sydney.
- Australian standards quarterly, Sydney.
- Austria. Bundesamt für eich- und vermessungswesen. Amtsblatt für das eichwesen.
- Automatic electric technical journal, Chicago.
- Automobile engineer, London.
- Automobiltechnische zeitschrift, Stuttgart.
- Automotive industries, Philadelphia.
- Aviation age, N. Y.
- Aviation week, N. Y.
- TK1.A83**
- S583.A7**
- TK3.A8**
- TS1550.A8**
- QB1.A3**
- QB1.A6**
- QB1.A9**
- Q2.A78**
- QC770.A793**
- QC770.A77**
- TK6540.R17**
- QC221.A9**
- Q41.A7**
- TL507.A8**
- TL.A951**
- QH1.A983**
- Q1.A773**
- Q184.A6**
- QC1.A8**
- Q4.A5**
- QC81.A8**
- TL1.A66**
- TL3.A8**
- TL1.A6**
- TL501.A8**

B

- Babcock & Wilcox (Societe francaise des constructions) Paris. Bulletin technique . . .
- Bakelite review, N. Y.
- Barcelona. Universidad. Consejo superior de investigaciones cientificas. Departamento de cristalografia y mineralogia. Publicaciones.
- Battelle technical review, Columbus, Ohio.
- Battery man, Terre Haute, Ind.
- Bauingenieur, Berlin.
- Baummaschine und bautechnik (Beiheft zur die Bauwirtschaft). Wiesbaden.
- Bautechnik, Berlin.
- Bauwirtschaft, Wiesbaden.
- Beama journal, London.
- Belgium. Ministere des affaires economiques. Direction generale de l'industrie . . . Bulletin de metrologie.
- Bell laboratories record, N. Y.
- Bell system technical journal, N. Y.^{4 2}
- Bell telephone laboratories, inc., N. Y. Technical library. Publications department. Index to current technical literature.
- TP986.B3B35**
- Z7403.B35**
- TH3.B2**
- TH3.B3**
- TH3.B4**
- TJ1.B4**
- QC81.B4 fi**
- TK1.B4**
- TK1.B425**

- Bell telephone magazine, N. Y.
 Bell telephone system, N. Y. Technical publications. Monograph B.
 Berlin. Technische hochschule. Institut für wasserbau. Mitteilung.
 Beton og jernbeton, Gentofte, Denmark.
 Beton- und stahlbetonbau, Berlin.
 Betonstein zeitung, Wiesbaden.
 Bibliography of industrial diamond applications. (Issued as part of Industrial diamond review.)
 Biochemical journal, London.
 Biometrics, Washington, D. C.
 Biometrika, Cambridge, Eng.¹
 Birmingham. University. Joint standing committee for research. Annual report.
 Birmingham metallurgical society. Journal.
 Blad för bergshandteringens vänner, Stockholm.
 Blast furnace and steel plant, Pittsburgh.
 Braunschweigische wissenschaftliche gesellschaft Abhandlungen.
 Brennstoff-chemie, Essen.
 Brennstoff, wärme, kraft, Düsseldorf.
 Brick and clay record, Chicago.
 British bulletin of spectroscopy, London.
 British cast iron research association, Birmingham. Annual report.
 British cast iron research association, Birmingham. Bulletin and foundry abstracts.
 British cast iron research association, Birmingham. Journal of research and development.
 British cast iron research association, Birmingham. Special publications.
 British ceramic society, Stoke-on-Trent, Transactions.
 British clayworker, London.
 British coal utilisation research association, Surrey, Eng. Monthly bulletin.
 British coal utilisation research association, Surrey, Eng. Quarterly gazette.
 British dental journal, London.³
 British institution of radio engineers, London. Journal.
 British journal for the philosophy of science, Edinburgh & London.
 British journal of applied physics, London.
 British journal of photography, London.
 British journal of radiology, London.
 British journal of statistical psychology, London.³
 British non-ferrous metals research association, London. Annual report.
 British non-ferrous metals research association, London. Bulletin.
 British paper and board makers' association, Surrey, Eng. Proceedings of the technical section.
 British plastics, London.
 British rubber producers' research association, London. Publications.
 British scientific instrument research association, London. Annual report.
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 British Thomson Houston co., London. BTH activities.
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 Brünn. Universita. Prirodovedcka fakulta. Publications.
- TK1.B47**
TK1.B43
- TC1.B4**
- TA680.B41**
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TH1491.B47
TS720.B5
- QP501.B47**
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- TN1.B5**
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- TP315.B7**
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TP785.B8
- TN710.B81**
- TN710.B81**
- TS300.B7**
- TP785.B6**
- TP325.B757**
- TK6540.B838**
- QC1.B74**
TR1.B8
QC1.B65
- TA459.B7**
- TA459.B7**
- TS1080.P24**
- TP986.A1B6**
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QA1.L53
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QA1.L62

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TS1080.06

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 Paint and varnish production, Washington, D. C.³
 Paint industry magazine, Philadelphia.³
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 Paper industry, N. Y.³
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 Personnel administration, Washington, D. C.³
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TP934.P25
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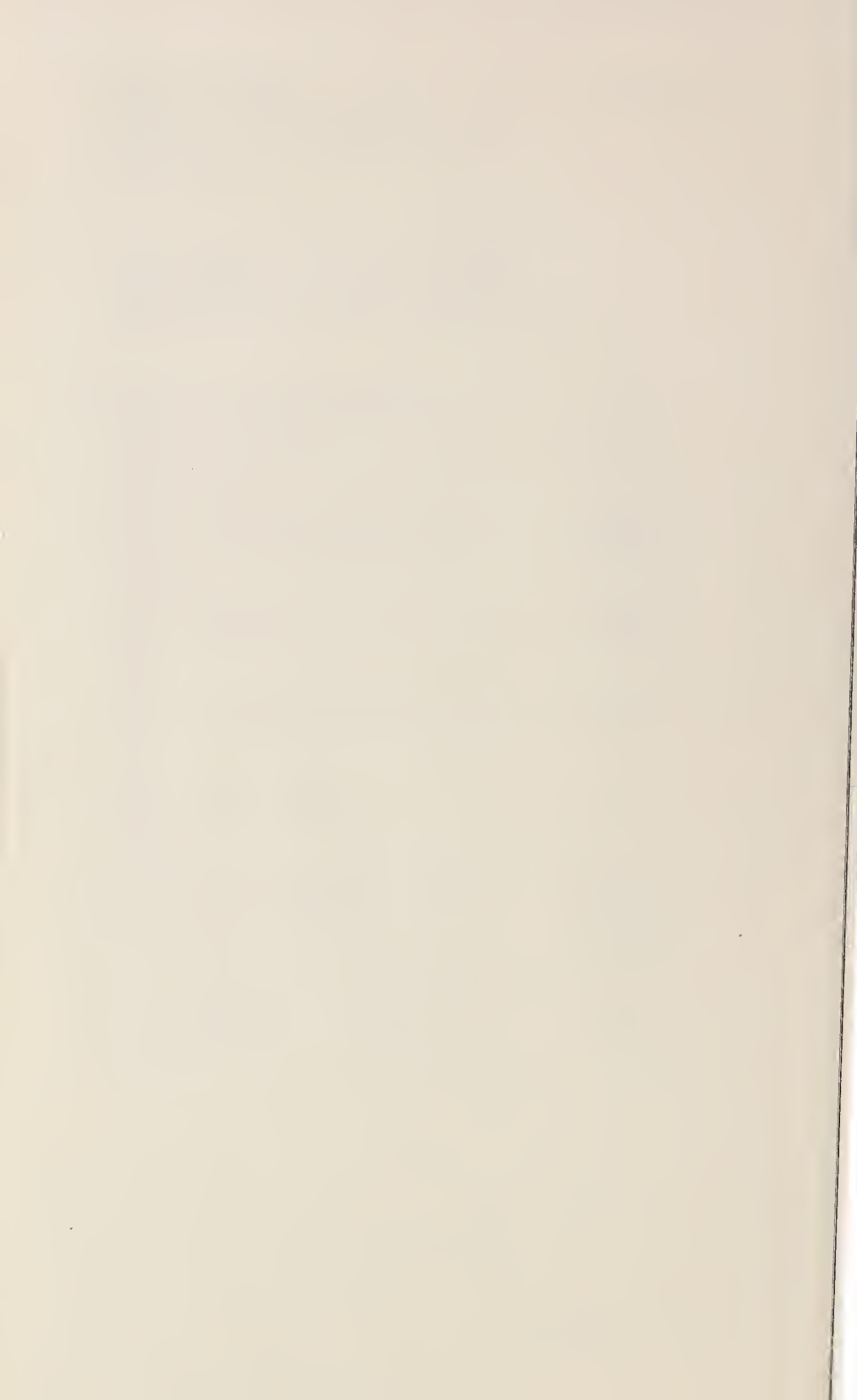
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