

NBS  
PUBLICATIONS

U.S. DEPARTMENT OF  
National Bureau of Standards

A11102 880579

NAT'L INST OF STANDARDS & TECH R.I.C.



A11102880579  
Cunningham, Diane/Abstract and Index col  
QC100 .U57 NO.751 SP 751:1988; C.1 NBS-P

*NBS Special Publication 751*

# *Abstract and Index Collection — National Bureau of Standards Research Information Center*

*Diane Cunningham*



QC  
100  
.U57  
#751  
1988  
C.2



The National Bureau of Standards<sup>1</sup> was established by an act of Congress on March 3, 1901. The Bureau's overall goal is to strengthen and advance the Nation's science and technology and facilitate their effective application for public benefit. To this end, the Bureau conducts research to assure international competitiveness and leadership of U.S. industry, science and technology. NBS work involves development and transfer of measurements, standards and related science and technology, in support of continually improving U.S. productivity, product quality and reliability, innovation and underlying science and engineering. The Bureau's technical work is performed by the National Measurement Laboratory, the National Engineering Laboratory, the Institute for Computer Sciences and Technology, and the Institute for Materials Science and Engineering.

### *The National Measurement Laboratory*

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Provides the national system of physical and chemical measurement; coordinates the system with measurement systems of other nations and furnishes essential services leading to accurate and uniform physical and chemical measurement throughout the Nation's scientific community, industry, and commerce; provides advisory and research services to other Government agencies; conducts physical and chemical research; develops, produces, and distributes Standard Reference Materials; provides calibration services; and manages the National Standard Reference Data System. The Laboratory consists of the following centers:

- Basic Standards<sup>2</sup>
- Radiation Research
- Chemical Physics
- Analytical Chemistry

### *The National Engineering Laboratory*

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Provides technology and technical services to the public and private sectors to address national needs and to solve national problems; conducts research in engineering and applied science in support of these efforts; builds and maintains competence in the necessary disciplines required to carry out this research and technical service; develops engineering data and measurement capabilities; provides engineering measurement traceability services; develops test methods and proposes engineering standards and code changes; develops and proposes new engineering practices; and develops and improves mechanisms to transfer results of its research to the ultimate user. The Laboratory consists of the following centers:

- Computing and Applied Mathematics
- Electronics and Electrical Engineering<sup>2</sup>
- Manufacturing Engineering
- Building Technology
- Fire Research
- Chemical Engineering<sup>3</sup>

### *The Institute for Computer Sciences and Technology*

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Conducts research and provides scientific and technical services to aid Federal agencies in the selection, acquisition, application, and use of computer technology to improve effectiveness and economy in Government operations in accordance with Public Law 89-306 (40 U.S.C. 759), relevant Executive Orders, and other directives; carries out this mission by managing the Federal Information Processing Standards Program, developing Federal ADP standards guidelines, and managing Federal participation in ADP voluntary standardization activities; provides scientific and technological advisory services and assistance to Federal agencies; and provides the technical foundation for computer-related policies of the Federal Government. The Institute consists of the following divisions:

- Information Systems Engineering
- Systems and Software Technology
- Computer Security
- Systems and Network Architecture
- Advanced Systems

### *The Institute for Materials Science and Engineering*

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Conducts research and provides measurements, data, standards, reference materials, quantitative understanding and other technical information fundamental to the processing, structure, properties and performance of materials; addresses the scientific basis for new advanced materials technologies; plans research around cross-cutting scientific themes such as nondestructive evaluation and phase diagram development; oversees Bureau-wide technical programs in nuclear reactor radiation research and nondestructive evaluation; and broadly disseminates generic technical information resulting from its programs. The Institute consists of the following divisions:

- Ceramics
- Fracture and Deformation<sup>3</sup>
- Polymers
- Metallurgy
- Reactor Radiation

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<sup>1</sup>Headquarters and Laboratories at Gaithersburg, MD, unless otherwise noted; mailing address Gaithersburg, MD 20899.

<sup>2</sup>Some divisions within the center are located at Boulder, CO 80303.

<sup>3</sup>Located at Boulder, CO, with some elements at Gaithersburg, MD.



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***NBS Special Publication 751***

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***Abstract and Index Collection —  
National Bureau of Standards  
Research Information Center***

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Diane Cunningham

National Bureau of Standards  
Information Resources and Services Division  
Gaithersburg, MD 20899

Third Edition

August 1988



U.S. Department of Commerce  
C. William Verity, Secretary

National Bureau of Standards  
Ernest Ambler, Director

Library of Congress Catalog Card Number: 88-600564

National Bureau of Standards Special Publication 751  
Natl. Bur. Stand. (U.S.), Spec. Publ. 751, 33 pages (August 1988)  
CODEN: XNBSAV

U.S. GOVERNMENT PRINTING OFFICE  
WASHINGTON: 1988

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For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402-9325

## PREFACE

This Publication lists the major abstracts and indexes available in the collections of the National Bureau of Standards' (NBS) Research Information Center (RIC). It supersedes and revises NBSIR 84-2933, which is dated August 1984. Entries in the main index, which are arranged alphabetically, include the current title of the abstract or index, RIC's holdings, major sources used to compile information, publisher or publishing association, corresponding online database (if one exists), RIC call number, and collection/area designation.

Unless otherwise designated, abstracts and indexes are located in the "Abstracts" section on the first floor of the RIC. Other areas and locations which include selected abstracts and indexes are designated by the following:

BIOG = located in the Biography section  
IGA = located in the Intergovernmental Affairs Collection  
M = located in the Microform Collection  
NBS = located in the NBS Reports Collection  
NCC = located in the Noncurrent Collection

In addition to being listed by current title, abstracts and indexes are grouped in a general subject index. They are also listed by their former titles and by their database names.

I wish to thank Karen Jones for her able assistance and diligence in preparing this Publication.

Diane Cunningham  
Research Information Services



## CONTENTS

	Page
Preface.....	iii
Abstracts/Indexes.....	1
Noncurrent Collection.....	19
General Subject Index.....	20
Former Title/Data Base Name Index.....	27





# ABSTRACTS AND INDEXES AVAILABLE AT THE NATIONAL BUREAU OF STANDARDS RESEARCH INFORMATION CENTER

ABSTRACT/INDEX HOLDINGS	DESCRIPTION/ SOURCES	PUBLISHER/ASSOCIATION DATA BASE	CALL NUMBER
ACM GUIDE TO COMPUTING LITERATURE	Index to the literature of com- puting and related disciplines	Association for Computing Machinery	QA 76 .C62
1974-	Journals, Books, Proceedings, Reports, Theses	-	
ABSTRACT BULLETIN OF THE INSTITUTE OF PAPER CHEMISTRY	Current literature on the principles and technologies of pulp, paper and board manufacturing	Institute of Paper Chemistry	Z 7914 .P2A6
v. 1, 1930/31-	Journals, Patents	PAPERCHEM	
ABSTRACT JOURNAL IN EARTHQUAKE ENGINEER- ING	Comprehensive literature in earthquake hazard mitigation	Earthquake Engineering Research Center	TA 658.44 .A25
v. 1, 1971-	Journals	-	
AMERICAN CONCRETE INSTITUTE 55-YEAR INDEX	Index to the proceedings and journal of the American Concrete Institute	American Concrete Institute	TA 681 .A5
1905-1959	Proceedings, Journals	-	
AMERICAN STATISTICS INDEX: INDEXES/ABSTRACTS	Index and abstracts to statis- tical publications of the U.S. government	Congressional Information Service (CIS)	HA 195 .A52
1974-1984	Journals, Reports	ASI	
ANALYTICAL ABSTRACTS	International literature dealing with all branches of analytical chemistry; formerly BRITISH ABSTRACTS	The Royal Society of Chemistry	QD 71 .A49
v. 1, 1954-	Journals	ANALYTICAL ABSTRACTS	
APPLIED MECHANICS REVIEWS	International literature in engineering sciences	American Society of Mechanical Engineers (ASME)	TA 1 .A63953
v. 1, 1948-v. 39, 1986	Journals, Books	-	

ABSTRACT/INDEX HOLDINGS	DESCRIPTION/SOURCES	PUBLISHER/ASSOCIATION DATA BASE	CALL NUMBER
APPLIED SCIENCE AND TECHNOLOGY INDEX	Cumulative subject index to English language journals in the fields of aeronautics and space science, computer technology, chemistry, construction, energy resources, electricity and electronics, engineering, industrial and mechanical arts, etc.; formerly INDUSTRIAL ARTS INDEX	H. W. Wilson Co.	Z 7913 .I7
v. 1, 1913-	Journals	APPLIED SCIENCE AND TECHNOLOGY INDEX	
ASTRONOMY AND ASTROPHYSICS ABSTRACTS	Worldwide astronomical publications	Astronomisches Rechen-Institut/ (Germany)/Springer Verlag	QB 1 .A862
v. 1, 1969-	Journals	-	
ATOMIC ABSORPTION AND EMISSION SPECTROSCOPY ABSTRACTS	Worldwide documentation of all aspects of atomic absorption and emission spectrometry; formerly ATOMIC ABSORPTION AND FLAME EMISSION SPECTROSCOPY ABSTRACTS	PRM Science and Technology Agency Ltd. (U.K.)	QD 95 .A7
v. 1, 1969-v. 17, 1985	Journals, Proceedings, Unpublished Reports	-	
AUSTRALIAN SCIENCE INDEX	Scientific and technical literature published in Australian journals	Commonwealth Scientific and Industrial Research Organization (CSIRO) (Australia)	M
v. 22, 1978-v. 27, 1983	Journals	-	
BHRA ABSTRACTS JOURNAL	Worldwide scientific and technical literature on the applications of hydraulics in civil and structural engineering; formerly CIVIL ENGINEERING HYDRAULIC ABSTRACTS	British Hydromechanics Research Association/Learned Information	TC 1 .C15
v. 3, 1970-	Journals, Proceedings, Reports	FLUIDEX	
BNF NON-FERROUS METALS ABSTRACTS (British Non-Ferrous Metals Resource Assoc.)	Published information on non-ferrous metallurgy and technology; formerly BRITISH NON-FERROUS METALS RESEARCH ASSN. BULL.	The BNF Metals Technology Centre (U.K.)	TA 459 .B71
1970-1983	Journals, Patents, Books	NON-FERROUS METALS ABSTRACTS	

ABSTRACT/INDEX HOLDINGS	DESCRIPTION/SOURCES	PUBLISHER/ASSOCIATION DATA BASE	CALL NUMBER
BIOGRAPHY INDEX  v. 1, 1949-v. 41, 1987	Cumulative index to biographical material  Books, Periodicals	H. W. Wilson Co.  BIOGRAPHY INDEX	Z 5301 .B5 BIOG
BIOTECHNOLOGY RESEARCH ABSTRACTS  v. 3, 1986-	Literature concerning all aspects of biotechnology  Journals	Cambridge Scientific Abstracts  -	TP 248.2 .B582
BRITISH CERAMIC ABSTRACTS  1978-	International literature of ceramics  Patents, Journals	British Ceramic Research Ltd.  -	TP 785 .B58
BUILDING SCIENCE ABSTRACTS  v. 1, 1925-v. 49, 1976	Literature of materials, design and building research  Journals, Reports	Her Majesty's Stationery Office  -	TH 1 .G7
BUSINESS PERIODICALS INDEX  v. 1, 1958-	Index to journals in the fields of accounting, advertising, banking and finance, business, insurance, labor and management, taxation, personnel administration, etc.  Journals	H. W. Wilson Co.  BUSINESS PERIODICALS INDEX	HF 5001 .B8
CA REVIEWS INDEX (CARI)  v. 86, 1977-v. 97, 1982	A key word in context (KWIC) index to all reviews that appear in CHEMICAL ABSTRACTS  Journals	Royal Society of Chemistry  -	QD 1 .A5124 (Shelved with Chemical Abstracts)
CIS INDEX/ANNUAL  1970-	Index to congressional publications  Hearings, Public Laws, Reports, Bills	Congressional Information Service (CIS)  CIS	KF 49 .C621 IGA
CSIRO ABSTRACTS (Commonwealth Scientific and Industrial Research Organization)  v. 1, 1952-v. 22, 1974	Abstracts of CSIRO published papers and translations; formerly CSIRO SCIENCE INDEX  Journals, Reports, Proceedings	CSIRO Central Information (Australia)  -	Q 4 .A9



ABSTRACT/INDEX HOLDINGS	DESCRIPTION/SOURCES	PUBLISHER/ASSOCIATION DATA BASE	CALL NUMBER
CSIRO INDEX  v. 1, 1975–	Index of CSIRO published papers and translations  Journals, Translations, Reports	CSIRO Central Information (Australia)  –	Q 179.9 .A9 (M–Later years only)
CERAMIC ABSTRACTS  v. 1, 1922–	International literature of ceramics  Journals, Patents, Books	American Ceramic Society  AMERICAN CERAMIC ABSTRACTS	TP 785 .A64
CHEMICAL ABSTRACTS  v. 1, 1907–	Comprehensive worldwide literature of chemistry, including biochemistry and chemical engineering  Journals, Patents, Books, Reviews	American Chemical Society  CHEMICAL ABSTRACTS	QD 1 .A51 (Located after unbound journals in back of RIC)
CHINA SCIENCE AND TECHNOLOGY ABSTRACTS Series I: Mathematics, Astronomy, Physics  v. 2, 1981–v. 8, 1987	English abstracts of scientific and technical periodicals in China  Periodicals	International Information Service, Ltd. (Hong Kong)  –	Q 1 .C45
CHINA SCIENCE AND TECHNOLOGY ABSTRACTS Series II: Chemistry, Earth Science, Energy Sources  v. 6, 1985–v. 8, 1987	English abstracts to scientific and technical periodicals in China  Periodicals, Proceedings	International Information Service, Ltd. (Hong Kong)  –	Q 1 .C455
CHINA SCIENCE AND TECHNOLOGY ABSTRACTS Series III: Industrial Technology  v. 2, 1981; v. 5, 1984–v. 8, 1987	Comprehensive index to articles in Chinese scientific and technical publications  Periodicals	International Information Service, Ltd. (Hong Kong)  –	Q 1 .C46
CHINESE SCIENCE ABSTRACTS Part A: Mathematics, Mechanics, Astronomy and Space, Physics, Technical Sciences  1982–	Abstracts of important scientific articles from the Chinese literature  Periodicals, Proceedings	Science Press (Beijing)  –	Q 1 .C42
CHINESE SCIENCE ABSTRACTS Part B: Chemistry, Life Sciences, Earth Sciences  1982–	Abstracts of important scientific articles from the Chinese literature  Periodicals, Proceedings	Science Press (Beijing)  –	Q 1 .C44

ABSTRACT/INDEX HOLDINGS	DESCRIPTION/SOURCES	PUBLISHER/ASSOCIATION DATA BASE	CALL NUMBER
COMPUTER ABSTRACTS	International literature on computer applications	Technical Information Co. Ltd. (U.K.)	QA 76 .C549
v. 4, 1960-	Journals, Reports, Patents, Books	-	
COMPUTER AND CONTROL ABSTRACTS (Science Abstracts Series C)	Worldwide coverage of the literature of all aspects of computers and control	INSPEC, Institution of Electrical Engineers (U.K.)/Institute of Electrical and Electronics Engineers, Inc.	TJ 212 .C61
v. 1, 1966-	Journals, Reports, Books, Dissertations, Patents, Proceedings	INSPEC	
COMPUTER LITERATURE INDEX	Literature in computer science, not including the more esoteric and academic literature	Applied Computer Research, Inc.	QA 76 .C565
v. 14, 1984-	Journals	-	
COMPUTING REVIEWS	Critical reviews of the current publications in any area of the computing sciences	Association for Computing Machinery (ACM)	QA 76 .C6
v. 1, 1960-v. 22, 1981; v. 25, 1984-	Books, Journals, Proceedings		
CONCRETE ABSTRACTS	International literature of developments in concrete and concrete technology	American Concrete Institute	TA 439 .C56
v. 3, 1974-	Journals, Reports, Books	-	
CONSUMERS INDEX TO PRODUCT EVALUATIONS AND INFORMATION SOURCES	Index to product evaluations and general consumer information	Pierian Press	TS 156.25 .C65
v. 4, 1976-	Journals	-	
CORROSION ABSTRACTS	Worldwide corrosion control literature	National Association of Corrosion Engineers (NACE)	TA 462 .C652
v. 1, 1962-	Journals, Proceedings, Reports	-	
CORROSION CONTROL ABSTRACTS	Translation of Russian REFERATIVNYI ZHURNAL on corrosion and protection against corrosion	Scientific Information Consultants Ltd. (U.K.)	TA 462 .C654
1969-	Journals, Patents	-	



ABSTRACT/INDEX HOLDINGS	DESCRIPTION/SOURCES	PUBLISHER/ASSOCIATION DATA BASE	CALL NUMBER
CUMULATIVE INDEX TO ASCE PUBLICATIONS	Index to the publications of the American Society of Civil Engineers	American Society of Civil Engineers	TA 1 .A58A5
1961-1974	Journals, Proceedings	-	
CURRENT INDEX OF COMPUTER LITERATURE	Listing of the table of contents of computer journals	Information Research Institute, Inc.	QA 76 .C78
v. 1, 1985-	Journals	-	
CURRENT INDEX TO STATISTICS; APPLICATIONS, METHODS AND THEORY	Comprehensive coverage of statistics, its applications, methods, and theory	American Statistical Assoc. and Institute of Mathematical Statistics	HA 1 .C9
v. 1, 1975-	Journals	MATHSCI	
CURRENT PHYSICS INDEX	International literature concerning all aspects of physics research and index to CURRENT PHYSICS MICROFORM	American Institute of Physics (AIP)	QC 1 .C786
v. 1, 1975-	Journals	SPIN	
CURRENT TECHNOLOGY INDEX	Subject guide to the literature in British technical journals; formerly BRITISH TECHNOLOGY INDEX	Library Association Pub. Ltd. (U.K.)	T 1 .C8
v. 3, 1964-	Journals	CURRENT TECHNOLOGY INDEX	
DISSERTATION ABSTRACTS INTERNATIONAL	Abstracts of international doctoral dissertations from participating universities; masters dissertations added recently	University Microfilms, Inc.	Z 5053 .D5 (M-Scattered years)
1862-	Dissertations	DISSERTATION ABSTRACTS ONLINE	
EI ENGINEERING CONFERENCE INDEX	International engineering conference literature	Engineering Information, Inc.	Z 5851 .E6
1983-1984	Proceedings	EI MEETINGS	
ELECTRICAL AND ELECTRONICS ABSTRACTS (Science Abstract Series B)	International literature covering all aspects of electrical and electronics engineering	INSPEC, Institution of Electrical Engineers (U.K.)/Institute of Electrical and Electronics Engineers, Inc.	Q 1 .S331
v. 1, 1898-	Journals, Reports, Books, Dissertations, Patents, Proceedings	INSPEC	

ABSTRACT/INDEX HOLDINGS	DESCRIPTION/SOURCES	PUBLISHER/ASSOCIATION DATA BASE	CALL NUMBER
ELECTROANALYTICAL ABSTRACTS	International journal dealing with the documentation of all aspects of fundamental, physico-chemical and analytical electro-chemistry	Birkhäuser Verlag (Switzerland)	QD 551 .J62
v. 1, 1963–v. 23, 1985	Journals, Reviews, Books	–	
ELECTRONIC INSTRUMENTATION	Worldwide publications in measurement science and instrumentation	The Institution of Electrical Engineers/Institute of Electrical and Electronics Engineers, Inc.	TK 7870 .E38
no. 1, 1976–	Journals	–	
ELECTRONICS AND COMMUNICATIONS ABSTRACTS	Worldwide publications in electronics and communications	Multi-Science Pub. Co. Ltd. (U.K.)	TK 5101 .A1E48
v. 1, 1961–	Journals, Proceedings, Unpublished Reports	–	
ENERGY RESEARCH ABSTRACTS	Dept. of Energy and U.S. government-sponsored research on all aspects of energy	U.S. Dept. of Energy, Office of Scientific and Technical Information	TJ 163.2 .U54
1975–	Journals, Reports	DOE ENERGY	
ENGINEERING DATA BANK ABSTRACTS OF REPORTS	Engineering evaluation and qualification test reports, non-standard parts justification data, parts/materials specifications, manufacturing processes, etc.	Government Industry Data Exchange Program (GIDEP)	TS 170 .E5
1977–	Reports, Technical Data	GIDEP	
ENGINEERING INDEX	Transdisciplinary index to the world's engineering literature	Engineering Information, Inc.	Z 5851 .E62
v. 1, 1884–	Journals, Conference Papers	COMPENDEX	
ERGONOMICS ABSTRACTS	International literature on human factors in man-machine systems and physical environmental influences	The Ergonomics Information Analysis Centre (U.K.)/ Taylor and Francis	TA 166 .E7132
v. 6, 1974–v. 19, 1987	Journals, Proceedings, Reports, Book Reviews	–	
FAILURE EXPERIENCE DATA BANK SUMMARY	Data on failure information generated whenever significant problems are identified on parts, materials or safety	Government Industry Data Exchange Program (GIDEP)	TS 173 .F3
1979–	Reports, Technical Data	GIDEP	

ABSTRACT/INDEX HOLDINGS	DESCRIPTION/SOURCES	PUBLISHER/ASSOCIATION DATA BASE	CALL NUMBER
FIVE-YEAR INDEX TO ASTM TECHNICAL PAPERS AND REPORTS	Index to the publications of the American Society For Testing and Materials	American Society For Testing and Materials	TA 401 .A525
1898-1970; 1976-1980	Journals, Special Technical Publications	—	
FOREIGN TECHNOLOGY	Listing of current technical foreign reports available from the National Technical Information Service	National Technical Information Service (NTIS)	T 1 .F5
1984-	Reports		
GAS ABSTRACTS	Selected literature on natural and manufactured gas and petroleum production	Institute of Gas Technology	TP 700 .G13
v. 1, 1945- v. 38, 1982	Journals, Patents, Proceedings	—	
GAS CHROMATOGRAPHY LITERATURE, ABSTRACTS AND INDEXES	International literature on gas chromatography	Preston Publications, Inc.	QD 1 .A1G3
v. 2, 1969-	Journals, Conference Papers	—	
GOVERNMENT REPORTS ANNOUNCEMENTS AND INDEX	Listing of government and government-sponsored research and development reports	U.S. National Technical Information Service (NTIS)	Z 7916 .B47
v. 1, 1946-	Reports, Journals, Proceedings	NTIS	
INDEX OF MATHEMATICAL PAPERS	An author and subject index of all papers and books reviewed in MATHEMATICAL REVIEWS	American Mathematical Society	QA 1 .M762
v. 1, 1970-v. 9, 1979	Journals, Books	MATHSCI	
INDEX TO SCIENTIFIC AND TECHNICAL PROCEEDINGS	Multidisciplinary listing of published proceedings	Institute for Scientific Information (ISI)	Q 101 .I5
1978-	Proceedings	—	
INDEX TO SCIENTIFIC BOOK CONTENTS	Index to the chapters in scientific books	Institute for Scientific Information (ISI)	Z 7401 .I45
1986-1987	Books	—	



ABSTRACT/INDEX HOLDINGS	DESCRIPTION/SOURCES	PUBLISHER/ASSOCIATION DATA BASE	CALL NUMBER
INDEX TO SCIENTIFIC REVIEWS	International interdisciplinary index to the review literature of science, medicine, agricultural sciences, technology and the behavioral sciences	Institute for Scientific Information (ISI)	Z 7401 .I5
v. 1, 1975-1987	Journals	-	
INDEX TO STATISTICS AND PROBABILITY	International literature of statistics and probability	R & D Press	Z 6654 .M33T84
1973-1975	Journals	MATHSCI	
INFORMATION SCIENCE ABSTRACTS	International literature in the fields of information science, documentation and related areas; formerly DOCUMENTATION ABSTRACTS	Plenum Pub. Co.	Z 699 .A1I5
v. 1, 1966-	Books, Journals, Conference Proceedings, Reports, Patents	INFORMATION SCIENCE ABSTRACTS	.
INIS ATOMINDEX (International Nuclear Information System)	International literature of nuclear science relating to its peaceful applications	International Atomic Energy Agency (Austria)	QC 770 .I2
v. 6, 1975-	Reports, Journals, Theses, Proceedings	-	
INTERNATIONAL ABSTRACTS IN OPERATIONS RESEARCH	Worldwide literature in operations research	International Federation of Operational Research Societies/ North-Holland	T 58 .A215
v. 1, 1961-	Journals	-	
INTERNATIONAL AEROSPACE ABSTRACTS	Comprehensive international literature of aerospace science and technology	American Institute of Aeronautics and Astronautics, Inc.	TL 501 .I53
v. 1, 1961-v. 26, 1986	Journals, Books, Proceedings, Translations	AEROSPACE DATABASE	
INTERNATIONAL PETROLEUM ABSTRACTS	Worldwide coverage of petroleum and allied literature concerning oil field exploration and development, petroleum refining and products, and economics; formerly INSTITUTE OF PETROLEUM ABSTRACTS	John Wiley and Sons Ltd.	TN 860 .I53
v. 1, 1973-	Journals	INTERNATIONAL PETROLEUM ABSTRACTS	

ABSTRACT/INDEX HOLDINGS	DESCRIPTION/ SOURCES	PUBLISHER/ASSOCIATION DATA BASE	CALL NUMBER
JAPAN BIOSCIENCES	Summaries of current Japanese research information on biochemistry, drugs, molecular and cell biology, bioengineering, food processing, etc.	University Microfilms, Inc.	QH 301 .J36
v. 1, 1988	Journals	JAPAN TECHNOLOGY	
JAPAN CHEMISTRY	Summaries of current Japanese research information on crystals, kinetics, polymers, chemical engineering, etc.	University Microfilms, Inc.	QD 1 .J36
v. 1, 1988	Journals	JAPAN TECHNOLOGY	
JAPAN COMPUTERS	Summaries of current Japanese research information on CAD/CAM, robots, artificial intelligence, software engineering, etc.	University Microfilms, Inc.	QA 76.5 .J36
v. 1, 1988	Journals	JAPAN TECHNOLOGY	
JAPAN ELECTRONICS	Summaries of current Japanese research information on circuits, sensors, superconducting materials, acoustic devices, etc.	University Microfilms, Inc.	TK 1 .J36
v. 1, 1988	Journals	JAPAN TECHNOLOGY	
JAPAN ENERGY	Summaries of current Japanese research information on geophysics, nuclear power plants, energy conservation, superconductivity, etc.	University Microfilms, Inc.	HD 9502 .J36
v. 1, 1988	Journals	JAPAN TECHNOLOGY	
JAPAN MANUFACTURING	Summaries of current Japanese research information on inventory control, production management, machinery, heat transfer, etc.	University Microfilms, Inc.	TS 183 .J36
v. 1, 1988	Journals	JAPAN TECHNOLOGY	
JAPAN MATERIALS	Summaries of current Japanese research on composites, metallurgy, powder technology, ceramics, textiles, etc.	University Microfilms, Inc.	TA 401 .J355
v. 1, 1988	Journals	JAPAN TECHNOLOGY	



ABSTRACT/INDEX HOLDINGS	DESCRIPTION/SOURCES	PUBLISHER/ASSOCIATION DATA BASE	CALL NUMBER
JAPANESE SCIENCE AND TECHNOLOGY	Japanese technological literature entered into the NASA scientific and technical information system	National Aeronautics and Space Administration, Scientific and Technical Information Branch	Q 127 .J3 J43
1985-	Journals, Reports	NASA/RECON	
JAPANESE TECHNICAL ABSTRACTS	Japanese literature in the areas of technology, applied sciences, engineering, and business management	Japanese Technical Information Service, University Microfilms Inc.	T 1 .J32
v. 1, 1986-v. 2, 1987	Journals	JAPAN TECHNOLOGY	
JOURNAL OF CURRENT LASER ABSTRACTS	International comprehensive coverage on laser theory, design, and application	Pennell Pub. Co.	TK 7871.3 .J65
v. 1, 1964-	Journals, Proceedings, Reports, Patents, Dissertations, Books	-	
JOURNAL OF ECONOMIC LITERATURE	Literature on economic subjects in English language journals	American Economic Association	HB 1 .J6 (M-Earlier Years)
v. 1, 1963-	Book Reviews, Journals	JOURNAL OF ECONOMIC LITERATURE	
LIBRARY AND INFORMATION SCIENCE ABSTRACTS (LISA)	International literature of library and information science; formerly LIBRARY SCIENCE ABSTRACTS	Library Association Pub. Ltd. (U.K.)	Z 671 .L617
1969-	Journals	LISA	
LIBRARY LITERATURE	Author and subject index to materials on library and information science	H. W. Wilson Co.	Z 666 .S211
1921-1986	Journals, Books, Pamphlets, Films, Theses	LIBRARY LITERATURE	
MATHEMATICAL REVIEWS	International coverage and reviews of the literature of mathematics	American Mathematical Society	QA 1 .M76
v. 1, 1940-	Journals, Books, Proceedings	MATHSCI	
MEASUREMENTS IN PHYSICS	International literature in the fields of measurement and metrology	The Institution of Electrical Engineers/Institute of Electrical and Electronics Engineers, Inc.	QC 39 .P5
v. 1, 1976-	Journals	-	

ABSTRACT/INDEX HOLDINGS	DESCRIPTION/ SOURCES	PUBLISHER/ASSOCIATION DATA BASE	CALL NUMBER
METAL FINISHING ABSTRACTS	International literature of metal finishing including extensive patent information	Finishing Publications Ltd. (U.K.)	TS 550 .M32
v. 1, 1959-v. 27, 1985	Journals, Patents, Books, Reports	-	
METALLURGICAL ABSTRACTS	International literature covering the whole field of metallurgy	The Metals and Metallurgy Trust (U.K.)	TN 1 .I58
v. 1, 1934-v. 32, 1965; v. 1, 1966-v. 2, 1967	Journals, Reports	-	
METALS ABSTRACTS	Worldwide comprehensive literature on science and practice of metallurgy	The Institute of Metals (U.K.)/ American Society for Metals	TN 1 .M5153
v. 1, 1968-	Journals, Books, Reports, Proceedings, Dissertations, Patents	METADEx	
METROLOGY DATA BANK INDEX	Index to government and industry data in metrology which is essential in research, design, development, production and operational phases of the life cycle of systems and equipment	Government Industry Data Exchange Program (GIDEP)	QC 100.5 .U5
1976-1984	Reports, Technical Data	GIDEP	
MICROCOMPUTER INDEX	A subject index to articles in microcomputer magazines	Database Services	QA 76.5 .M5218
v. 1, 1980-	Journals	MICROCOMPUTER INDEX	
MONTHLY CATALOG OF UNITED STATES GOVERNMENT PUBLICATIONS	Publication listings of U.S. Government agencies	U.S. Government Printing Office (GPO)	Z 1223 .A18 (M-Earlier years)
1895-	Reports, Books, Serials	MONTHLY CATALOG	
MÖSSBAUER SPECTROSCOPY ABSTRACTS	International literature concerning Mössbauer spectroscopy	PRM Science and Technology Agency Ltd. (U.K.)	QC 491 .M63
v. 2, 1979-v. 7, 1984	Journals, Proceedings, Reports	-	

ABSTRACT/INDEX HOLDINGS	DESCRIPTION/SOURCES	PUBLISHER/ASSOCIATION DATA BASE	CALL NUMBER
NUCLEAR SCIENCE ABSTRACTS	Worldwide comprehensive literature of nuclear science; formerly U.S. ATOMIC ENERGY COMMISSION (AEC). ABSTRACTS OF DECLASSIFIED DOCUMENTS	U.S. Department of Energy	QC 770 .U64
v. 1, 1948–v. 33, 1976	Reports, Books, Proceedings, Patents, Journals	NUCLEAR SCIENCE ABSTRACTS	
OPERATIONS RESEARCH/MANAGEMENT SCIENCE	International literature of operation research and management science	Executive Sciences Institute, Inc.	HD 20 .06
v. 9, 1969–	Journals	–	
PHOTOGRAPHIC ABSTRACTS	Abstracts of the world literature of the science, technology and applications of photography	The Royal Photographic Society of Great Britain/Pergamon Press	TR 1 .P4
v. 1, 1921–1987	Journals, Patents	PHOTOGRAPHIC ABSTRACTS	
PHYSICS ABSTRACTS (Science Abstracts Series A)	International literature covering the entire field of physics	INSPEC, Institution of Electrical Engineers (U.K.)/Institute of Electrical and Electronics Engineers, Inc.	Q 1 .S311
v. 1, 1898–	Journals, Reports, Books, Dissertations, Patents, Proceedings	INSPEC	
PHYSICS BRIEFS; PHYSIKALISCHE BERICHTE	Worldwide literature covering all fields of physics and related topics	Physik Verlag (West Germany)	QC 1 .P68
v. 1, 1920–v. 5, 1983	Journals, Books, Patents, Reports, Theses, Proceedings	PHYSICS BRIEFS	
POLISH TECHNICAL AND ECONOMIC ABSTRACTS	Index to the scientific and technical literature of Poland	Center for Scientific, Technical and Economic Information (Poland)	T 4 .P5
1979–	Journals, Books, Reports	–	
PUBLIC AFFAIRS INFORMATION SERVICE (PAIS) BULLETIN	Worldwide literature related to economic and social conditions, public administration and international relations	Public Affairs Information Service (PAIS), Inc.	Z 7163 .P9
v. 55, 1969–	Books, Pamphlets, Government Publications, Reports, Journals	PAIS	



ABSTRACT/INDEX HOLDINGS	DESCRIPTION/SOURCES	PUBLISHER/ASSOCIATION DATA BASE	CALL NUMBER
RAPRA ABSTRACTS  v. 2, 1924-v. 19, 1982	World's literature in rubber, plastics, and associated fields  Journals, Patents	Rubber and Plastics Research Association of Great Britain  RAPRA ABSTRACTS	TS 1870 .R61
READERS' GUIDE TO PERIODICAL LITERATURE  v. 29, 1969-	Cumulative author-subject index to periodicals of general interest covering a wide variety of general subjects  Periodicals	H. W. Wilson Co.  READERS' GUIDE TO PERIODICAL LITERATURE	AI 3 .R4
REFERATIVNYI ZHURNAL: FIZIKA  1960-	World's literature in physics  Journals, Books, Patents	Akademiya Nauk SSSR, Institut Nachnoi Informatsii (U.S.S.R.)  -	QC 1 .A419
REFERATIVNYI ZHURNAL: MATEMATIKA  1966-	World's literature in mathematics  Journals, Books, Patents	Akademiya Nauk SSR, Institut Nachnoi Informatsii (U.S.S.R.)  -	QA 1 .A373
REFERATIVNYI ZHURNAL: MEKHANIKA  1956-	World's literature in mechanics  Journals, Books, Patents	Akademiya Nauk SSSR, Institut Nachnoi Informatsii (U.S.S.R.)  -	QC 1 .A41
REFERATIVNYI ZHURNAL: METALLURGIYA  1984-1987	World's literature in metals  Journals, Books, Patents	Vsesoyuznyi Institut Nauchno-Tekhnicheskoi Informatsii  -	TN 1 .R4
REFERENCE SOURCES  v. 1, 1977-v. 7, 1983	Comprehensive guide to reference materials  Books	Pierian Press  -	Z 1035.1 .R4
RELIABILITY-MAINTAINABILITY DATA INTERCHANGE  1978-	Reliability and maintainability data on parts, components, assemblies, equipment, etc.  Reports, Technical Data	Government Industry Data Exchange Program (GIDEP)  GIDEP	TS 173 .R45

ABSTRACT/INDEX HOLDINGS	DESCRIPTION/ SOURCES	PUBLISHER/ASSOCIATION DATA BASE	CALL NUMBER
RHEOLOGY ABSTRACTS	Worldwide literature in the science and practice of rheology	British Society of Rheology/ Pergamon Press	QC 189 .R53
v. 1, 1958-	Journals	-	
ROBOTICS TECHNOLOGY ABSTRACTS	Worldwide literature on the manufacture and use of robots	Cranfield Press (U.K.)	TS 191.8 .R64
v. 3, 1984-	Journals, Reports, Patents, Proceedings	-	
ROYAL SOCIETY OF LONDON. CATALOGUE OF SCIENTIFIC PAPERS	Standard index to nineteenth century scientific papers	Her Majesty's Stationery Office (HMSO) (U.K.)	Z 7403 .R88
v. 1, 1867-v. 19, 1925	Journals, Transactions	-	
SAFETY SCIENCE ABSTRACTS	International literature devoted to identifying, evaluating, and eliminating or controlling hazards	The Institute of Safety and Systems Management/ Cambridge Scientific Abstracts	T 55 .A1S3
v. 1, 1973-v. 9, 1982	Journals, Reports, Proceedings, Books, Dissertations, Patents	SAFETY	
SCIENCE CITATION INDEX	International interdisciplinary index to the literature of chemistry, physics, medicine, agriculture, technology, etc.	Institute for Scientific Information (ISI)	Z 7401 .S365
v. 1, 1955-	Journals	SCISEARCH	
SCIENTIFIC AND TECHNICAL AEROSPACE REPORTS	Comprehensive worldwide literature on the science and technology of space and aeronautics	U.S. National Aeronautics and Space Administration (NASA)	TL 787 .U51
v. 1, 1963-	Reports, Patents, Dissertations	AEROSPACE DATABASE	
SELECTED WATER RESOURCES ABSTRACTS	Literature on the conservation, control, use and management of water	Water Resources Scientific Information Center, U.S. Dept. of the Interior	TD 201 .S4
v. 2, 1969-v. 9, 1976	Books, Journals, Reports	WATER RESOURCES ABSTRACTS	
SEVENTY-SEVEN YEAR INDEX-TECHNICAL PAPERS (AMERICAN SOCIETY OF MECHANICAL ENGINEERS)	Index to the publications of the American Society of Mechanical Engineers	American Society of Mechanical Engineers	TJ 1 .A774
1880-1956	Journals	-	



ABSTRACT/INDEX HOLDINGS	DESCRIPTION/SOURCES	PUBLISHER/ASSOCIATION DATA BASE	CALL NUMBER
SOLID STATE ABSTRACTS JOURNAL	Comprehensive coverage of the world literature on the theory, production, and use of solid state materials and devices; formerly SEMI-CONDUCTOR ELECTRONICS	Cambridge Communication Corp.	TK 7800 .S42
v. 1, 1957-v. 9, 1968	Journals, Books, Reports, Patents, Dissertations, Proceedings	-	
STATISTICAL REFERENCE INDEX (SRI)	Index and abstracts to American statistical publications from private organizations and state government sources	Congressional Information Service (CIS)	HA 195 .S75
v. 1, 1980-	Directories, Statistical Publications	-	
STATISTICAL THEORY AND METHOD ABSTRACTS	International literature of statistical mathematics	International Statistical Institute-Longman Group Ltd. (U.K.)	HA 1 .S764
v. 1, 1959-	Journals, Reports, Proceedings	-	
STEELS ALERT	International literature on developments in the steel industry	Materials Information	TN 1 .M51531
v. 4, 1986-	Journals	-	
SURFACE TREATMENT TECHNOLOGY ABSTRACTS	International literature of metal finishing, surface-treatment, printed circuits and electronics coatings	Finishing Publications Ltd. (U.K.)	TP 155.7 .S83
v. 28, 1986-	Journals, Patents, Books, Reports	-	
TECHNICAL BOOK REVIEW INDEX	A monthly index to book reviews of new technical, scientific and medical books covering all fields of the pure sciences, life sciences, medicine, and technology	JAAD Pub. Co.	Z 7913 .T36
v. 1, 1935-	Reviews	-	
TECHNICAL TRANSLATIONS	Listing of English translations of scientific and technical literature prepared by government and private sources	Clearinghouse for Federal, Scientific and Technical Information (NTIS)	Z 7401 .T712
v. 1, 1959-v. 18, 1967	Journals	-	

ABSTRACT/INDEX HOLDINGS	DESCRIPTION/SOURCES	PUBLISHER/ASSOCIATION DATA BASE	CALL NUMBER
THEORETICAL CHEMICAL ENGINEERING ABSTRACTS	Listing of abstracts in the chemical engineering literature	Theoretical Chemical Engineering Abstracts (U.K.)	TP 1 .T47
v. 1, 1964-	Journals, Reports, Books	-	
TRANSLATIONS INDEX (AMERICAN SOCIETY FOR METALS)	Translations into English of technical papers on metals and materials; formerly ASM TRANSLATIONS INDEX	American Society for Metals	QD 171 .A6
v. 1, 1977-	Journals	-	
TRANSLATIONS REGISTER INDEX	Listing of unpublished translations into English from the world literature of the natural, physical, medical, and social sciences	National Translations Center	Z 7401 .T7
v. 1, 1967-v. 20, 1986	Journals	-	
U.S. NATIONAL AERONAUTICS AND SPACE ADMINISTRATION. INDEX OF NASA TECHNICAL PUBLICATIONS	Listing of unclassified NASA/NACA technical publications	U.S. National Aeronautics and Space Administration (NASA)	Z 5063 .U592
1915-1961	Reports	-	
U.S. NATIONAL BUREAU OF STANDARDS. CATALOG OF NBS PUBLICATIONS	A comprehensive listing of technical publications by the U.S. National Bureau of Standards	U.S. National Bureau of Standards/U.S. GPO	QC 100 .U57 SP535 NBS
1966-1976	Reports, Journals	-	
WORLD SURFACE COATINGS ABSTRACTS	International literature on paints, varnishes and allied industries	Paint Research Association (U.K.)/Pergamon Press	TP 934 .R4
v. 42, 1969-	Reports, Patents, Standards, Journals	SURFACE COATINGS ABSTRACTS	
WORLD TEXTILE ABSTRACTS	Worldwide literature of textiles and the textile industry	Shirley Institute (U.K.)	TS 1300 .W6
v. 1, 1969-	Journals, Proceedings, Patents, Standards, Books, Reports	WORLD TEXTILES	

ABSTRACT/INDEX HOLDINGS	DESCRIPTION/SOURCES	PUBLISHER/ASSOCIATION DATA BASE	CALL NUMBER
WORLD TRANSINDEX	Translations of literature relating to all fields of science and technology	International Translations Centre (The Netherlands)/ British Lending Library	Z 7401 .W62
1967-1982	Journals	-	
WORLD TRANSLATIONS INDEX	Translations in all fields of science and technology	International Translations Centre/National Translations Center	Z 7401 .W63
v. 1, 1987-	Journals	-	
X-RAY FLUORESCENCE SPECTROMETRY ABSTRACTS	International literature on all aspects of x-ray fluorescence spectrometry	PRM Science and Technology Agency Ltd. (U.K.)	QD 95 .X2
v. 1, 1970-v. 15, 1984	Journals, Proceedings, Unpublished Reports	-	
ZENTRALBLATT FÜR MATHEMATIK UND IHRE GRENZGEBIETE: MATHEMATICS ABSTRACTS	Worldwide literature in mathematics	Springer-Verlag	QA 1 .Z5
v. 1, 1931-v. 358, 1978	Books, Journals, Proceedings	MATH	



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ABSTRACT/INDEX HOLDINGS	DESCRIPTION/ SOURCES	PUBLISHER/ASSOCIATION DATA BASE	CALL NUMBER
BRITISH ABSTRACTS SERIES A, B, C	International literature of all aspects of chemistry	Bureau of Abstracts (U.K.)	QD 1 .B68 NCC
1926-1953	Journals, Proceedings	-	
CUMULATIVE BOOK INDEX	A comprehensive world list of books in the English language	H. W. Wilson Co.	CT 100 .C8 NCC
1938-1983	Books	CUMULATIVE BOOK INDEX	
INTERNATIONAL CATALOGUE OF SCIENTIFIC LITERATURE	International literature of all sciences	Royal Society of London	Z 7401 .I62 NCC
1901-1914	Journals	-	
JAHRBUCH ÜBER DIE FORTSCHRITTE DER MATHEMATIK	Worldwide literature of mathematics	de Gruyter (Germany)	QA 1 .J4 NCC
v. 1, 1868-v. 68, 1942	Journals, Books	-	
NATIONAL UNION CATALOG	A listing of works cataloged by the Library of Congress and by the libraries contributing to its cooperation cataloging program	Library of Congress	Z 881 .A1U372 NCC (M-Later years)
1898-	Books, Reports, Journals, Maps, Serials	LC MARC	

# GENERAL SUBJECT INDEX

SUBJECT	ABSTRACT/INDEX
Aerospace and Aeronautical Engineering	EI Engineering Conference Index Engineering Index Government Reports Announcements and Index International Aerospace Abstracts Science Citation Index Scientific and Technical Aerospace Reports U.S. National Aeronautics and Space Administration: Index of NASA Technical Publications
Agriculture and Agricultural Engineering	Chemical Abstracts EI Engineering Conference Index Engineering Index Government Reports Announcements and Index Science Citation Index Selected Water Resources Abstracts
Architecture and Design	EI Engineering Conference Index Engineering Index
Biography	Biography Index
Biotechnology	Biotechnology Research Abstracts
Building and Construction	American Concrete Institute 55-year Index Building Science Abstracts Concrete Abstracts Cumulative Index to ASCE Publications EI Engineering Conference Index Engineering Index
Business, Economics, Management	Business Periodicals Index Journal of Economic Literature Public Affairs Information Service Bulletin
Ceramics	British Ceramic Abstracts Ceramic Abstracts Japan Materials
Chemistry and Chemical Engineering	Abstract Bulletin of the Institute of Paper Chemistry Analytical Abstracts BNF Non-Ferrous Metals Abstracts British Abstracts, Series A, B, C (NCC) British Ceramic Abstracts CA Reviews Index Ceramic Abstracts Chemical Abstracts China Science and Technology Abstracts Series II Corrosion Abstracts Corrosion Control Abstracts EI Engineering Conference Index Electroanalytical Abstracts

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# GENERAL SUBJECT INDEX

## SUBJECT

## ABSTRACT/INDEX

Chemistry and Chemical Engineering (cont'd)

Engineering Index  
Gas Abstracts  
Gas Chromatography Literature, Abstracts and Indexes  
Government Reports Announcements and Index  
Japan Chemistry  
Mössbauer Spectroscopy Abstracts  
Nuclear Science Abstracts  
RAPRA Abstracts  
Science Citation Index  
Surface Treatment Technology Abstracts  
Theoretical Chemical Engineering Abstracts  
World Surface Coatings Abstracts  
X-ray Florescence Spectrometry Abstracts

Civil Engineering

Abstract Journal in Earthquake Engineering  
American Concrete Institute 55-year Index  
BHRA Abstracts Journal  
Corrosion Abstracts  
Concrete Abstracts  
Cumulative Index to the ASCE Publications  
EI Engineering Conference Index  
Engineering Data Bank Abstracts of Reports  
Engineering Index  
Failure Experience Data Index  
Government Reports Announcements and Index  
Reliability-Maintainability Data Interchange  
Science Citation Index  
Selected Water Resources Abstracts

Computer Science

ACM Guide to Computing Literature  
Computer Abstracts  
Computer and Control Abstracts  
Computer Literature Index  
Computing Reviews  
Current Index of Computer Literature  
Information Science Abstracts  
International Abstracts in Operations Research  
Japan Computers  
Microcomputer Index  
Operations Research/Management Science

Consumer Information

Consumer Index to Product Evaluations and Information Sources

Earth and Space

Astronomy and Astrophysics Abstracts  
China Science and Technology Abstracts Series II  
Science Citation Index  
Selected Water Resources Abstracts

Electronics and Electrical Engineering

EI Engineering Conference Index  
Electrical and Electronics Abstracts  
Electroanalytical Abstracts

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# GENERAL SUBJECT INDEX

SUBJECT	ABSTRACT/INDEX
Electronics and Electrical Engineering (cont'd)	Electronic Instrumentation Electronics and Communications Abstracts Engineering Index Government Reports Announcements and Index Japan Electronics Science Citation Index Solid State Abstracts Journal Surface Treatment Technology Abstracts
Energy	Chemical Abstracts China Science and Technology Abstracts Series II Energy Research Abstracts Government Reports Announcements and Index Japan Energy Nuclear Science Abstracts Science Citation Index
Environment	Chemical Abstracts Engineering Index Science Citation Index Selected Water Resources Abstracts
Government Reports	American Statistics Index Energy Research Abstracts Government Reports Announcements and Index Monthly Catalog of United States Government Publications U.S. National Bureau of Standards. Catalog of NBS Publications
Information Science	Information Science Abstracts Library and Information Science Abstracts Library Literature
Instrumentation	EI Engineering Conference Index Electronic Instrumentation Engineering Index Measurements in Physics
Law and Legislative Processes	CIS Index/Annual Public Affairs Information Service Bulletin
Life Sciences/Biology	Government Reports Announcements and Index Japan Biosciences Science Citation Index Selected Water Resources Abstracts
Mathematics and Statistics	American Statistics Index Current Index to Statistics Government Reports Announcements and Index Index of Mathematical Papers Index to Statistics and Probability Jahrbuch über die Fortschritte der Mathematik (NCC) Mathematical Reviews

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# GENERAL SUBJECT INDEX

SUBJECT	ABSTRACT/INDEX
Mathematics and Statistics (cont'd)	Referativnyi Zhurnal: Matematika Science Citation Index Statistical Reference Index Statistical Theory and Method Abstracts Zentralblatt für Mathematik und ihre Grenzgebiete; Mathematics Abstracts
Mechanical Engineering	Applied Mechanics Review EI Engineering Conference Index Engineering Data Bank Abstracts of Reports Engineering Index Ergonomics Abstracts Failure Experience Data Index Government Reports Announcements and Index Japan Manufacturing Referativnyi Zhurnal: Mekhanika Reliability-Maintainability Data Interchange Science Citation Index Seventy-Seven Year Index—Technical Papers (American Society of Mechanical Engineers)
Medicine	Government Reports Announcements and Index Science Citation Index
Metrology and Standardization	EI Engineering Conference Index Electronic Instrumentation Engineering Index Measurements in Physics Metrology Data Bank Index
Mining and Metallurgy	BNF Non-Ferrous Metals Abstracts Chemical Abstracts Corrosion Abstracts Corrosion Control Abstracts Engineering Index Government Reports Announcements and Index Japan Materials Metal Finishing Abstracts Metallurgical Abstracts Referativnyi Zhurnal: Metallurgiya Metals Abstracts Science Citation Index Steels Alert Surface Treatment Technology Abstracts Translations Index World Surface Coatings Abstracts
Nuclear Science	Chemical Abstracts Engineering Index Government Reports Announcements and Index INIS Atomindex Nuclear Science Abstracts Science Citation Index



# GENERAL SUBJECT INDEX

SUBJECT	ABSTRACT/INDEX
Optics	Atomic Absorption and Emission Spectrometry Abstracts EI Engineering Conference Index Engineering Index Journal of Current Laser Abstracts Physics Abstracts
Paints and Protective Coatings	World Surface Coatings Abstracts
Paper and Paper Industry	Abstract Bulletin of the Institute of Paper Chemistry
Patents	Abstract Bulletin of the Institute of Paper Chemistry BNF Non-Ferrous Metals Abstracts British Ceramic Abstracts Ceramic Abstracts Chemical Abstracts Computer Abstracts Computer and Control Abstracts Corrosion Control Abstracts Electrical and Electronics Abstracts Gas Abstracts Information Science Abstracts Journal of Current Laser Abstracts Metal Finishing Abstracts Nuclear Science Abstracts Photographic Abstracts Physics Abstracts Physics Briefs; Physikalische Berichte RAPRA Abstracts Referativnyi Zhurnal: Fizika Referativnyi Zhurnal: Matematika Referativnyi Zhurnal: Mekhanika Referativnyi Zhurnal: Metallurgiya Safety Science Abstracts Solid State Abstracts Journal Surface Treatment Technology Abstracts World Surface Coatings Abstracts World Textile Abstracts
Petroleum and Gas	Gas Abstracts International Petroleum Abstracts
Photography	Photographic Abstracts
Physics	Astronomy and Astrophysics Abstracts Atomic Absorption and Emission Spectrometry Abstracts Current Physics Index Electronic Instrumentation INIS Atomindex Journal of Current Laser Abstracts Measurements in Physics Mössbauer Spectroscopy Abstracts Physics Abstracts

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# GENERAL SUBJECT INDEX

SUBJECT	ABSTRACT/INDEX
Physics (cont'd)	Physics Briefs; Physikalische Berichte Referativnyi Zhurnal: Fizika Rheology Abstracts
Plastics	Chemical Abstracts RAPRA Abstracts
Public Administration	Public Affairs Information Service Bulletin
Robotics	Robotics Technology Abstracts
Safety Science	Failure Experience Data Index Safety Science Abstracts
Science and Technology/Multidisciplinary	Applied Science and Technology Index Australian Science Index Book Review Index CSIRO Abstracts CSIRO Index China Science and Technology Abstracts Chinese Science Abstracts Cumulative Book Index (NCC) Current Technology Index Dissertation Abstracts International Five-Year Index to ASTM Technical Papers and Reports Government Reports Announcements and Index Index to Scientific and Technical Proceedings Index to Scientific Book Contents Index to Scientific Reviews International Catalogue of Scientific Literature (NCC) Japanese Science and Technology Japanese Technical Abstracts Metrology Data Bank Index Monthly Catalog of United States Government Publications National Union Catalog (NCC) Polish Technical and Economic Abstracts Readers' Guide to Periodical Literature Reference Sources Royal Society of London. Catalogue of Scientific Papers Science Citation Index Technical Book Review Index U.S. National Aeronautics and Space Administration. Index of NASA Technical Publications U.S. National Bureau of Standards. Catalog of NBS Publications World Transindex World Translations Index
Textile Industry	World Textile Abstracts
Translations	Technical Translations Translations Index Translations Register Index

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## GENERAL SUBJECT INDEX

### SUBJECT

### ABSTRACT/INDEX

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Translations (cont'd)

World Transindex  
World Translations Index

Water Resources

BHRA Abstracts Journal  
Selected Water Resources Abstracts

## FORMER TITLE/DATA BASE NAME INDEX

Former or Related Title/Data Base Name	See	Current Title
ASI		American Statistics Index: Indexes/Abstracts
ASM Translation Index		Translations Index
Abstracts of Declassified Documents		Nuclear Science Abstracts
Atomic Absorption and Flame Emission Spectrometry Abstracts		Atomic Absorption and Emission Spectrometry Abstracts
British Abstracts		Analytical Abstracts
British Non-Ferrous Metals Research Assn. Bull.		BNF Non-Ferrous Metals Abstracts
British Technology Index		Current Technology Index
CARI		CA Reviews Index
CBI		Cumulative Book Index
CSIRO Science Index		CSIRO Abstracts
Channel		BHRA Abstracts Journal
Chemical Abstracts Reviews Index		CA Reviews Index
Civil Engineering Hydraulics Abstracts		BHRA Abstracts Journal
Current Physics Microform		Current Physics Index
Documentation Abstracts		Information Science Abstracts
Electrical Measurement and Instrumentation		Electronic Instrumentation
Finishing Abstracts		Metal Finishing Abstracts
GIDEP		Engineering Data Bank Abstracts of Reports Failure Experience Data Index Metrology Data Bank Index Reliability-Maintainability Data Interchange
Industrial Arts Index		Applied Science and Technology Index
INSPEC		Computer and Control Abstracts Electrical and Electronics Abstracts Physics Abstracts
Institute of Petroleum Abstracts		International Petroleum Abstracts
Japan Technology		Japanese Technical Abstracts
Library Science Abstracts		Library and Information Science Abstracts
Metron		Electronic Instrumentation Measurements in Physics



## FORMER TITLE/DATA BASE NAME INDEX

Former or Related Title/Data Base Index	See	Current Title
PAIS Bulletin		Public Affairs Information Service Bulletin
Physical Measurements and Instrumentation		Measurements in Physics
Physikalische Berichte		Physics Briefs; Physikalische Berichte
Referativnyi Zhurnal; Korroziya i Zashchita ot Kovrozu		Corrosion Control Abstracts (Translation)
SRI		Statistical Reference Index
Science Abstracts Series A		Physics Abstracts
Science Abstracts Series B		Electrical and Electronics Abstracts
Science Abstracts Series C		Computer and Control Abstracts
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<b>5. AUTHOR(S)</b> Diane Cunningham			
<b>6. PERFORMING ORGANIZATION</b> (If joint or other than NBS, see instructions) NATIONAL BUREAU OF STANDARDS U.S. DEPARTMENT OF COMMERCE GAITHERSBURG, MD 20899			<b>7. Contract/Grant No.</b>  <b>8. Type of Report &amp; Period Covered</b> Final
<b>9. SPONSORING ORGANIZATION NAME AND COMPLETE ADDRESS</b> (Street, City, State, ZIP) National Bureau of Standards			
<b>10. SUPPLEMENTARY NOTES</b> Library of Congress Catalog Card Number: 88-600564 <input type="checkbox"/> Document describes a computer program; SF-185, FIPS Software Summary, is attached.			
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