

United States Department of Commerce
Technology Administration
National Institute of Standards and Technology



A11103 808774

NIST
PUBLICATIONS

NIST Special Publication 836

Abstract and Index Collection in the Research Information Center of the National Institute of Standards and Technology

Diane Cunningham



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836

1992

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The National Institute of Standards and Technology was established in 1988 by Congress to “assist industry in the development of technology . . . needed to improve product quality, to modernize manufacturing processes, to ensure product reliability . . . and to facilitate rapid commercialization . . . of products based on new scientific discoveries.”

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- Microelectronics
- Law Enforcement Standards
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- Semiconductor Electronics
- Electromagnetic Fields¹
- Electromagnetic Technology¹

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- Chemical Kinetics and Thermodynamics
- Inorganic Analytical Research
- Organic Analytical Research
- Process Measurements
- Surface and Microanalysis Science
- Thermophysics²

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- Atomic Physics
- Molecular Physics
- Radiometric Physics
- Quantum Metrology
- Ionizing Radiation
- Time and Frequency¹
- Quantum Physics¹

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- Automated Production Technology
- Robot Systems
- Factory Automation
- Fabrication Technology

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- Polymers
- Metallurgy
- Reactor Radiation

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- Fire Science and Engineering
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- Systems and Software Technology
- Computer Security
- Systems and Network Architecture
- Advanced Systems

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- Applied and Computational Mathematics²
- Statistical Engineering²
- Scientific Computing Environments²
- Computer Services²
- Computer Systems and Communications²
- Information Systems

¹At Boulder, CO 80303.

²Some elements at Boulder, CO 80303.

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Office of Information Services
National Institute of Standards and Technology
Gaithersburg, MD 20899

(Supersedes NIST Special Publication 803)

June 1992



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National Institute of Standards
and Technology
Special Publication 836
Natl. Inst. Stand. Technol.
Spec. Publ. 836
(Supersedes NBS Spec. Publ. 803)
35 pages (June 1992)
CODEN: NSPUE2

U.S. Government Printing Office
Washington: 1992

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

PREFACE

This publication lists the major abstracts and indexes available in the collection of the Research Information Center (RIC) of the National Institute of Standards and Technology (NIST). It supersedes and revises NIST Special Publication 803, which is dated December 1990. 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 RIC online database with CD-ROM availability, 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
NIST = located in the NIST Reports Collection
NCC = located in the Noncurrent Collection
REF = located in Extended Reference area, check at reference desk for location

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.....	20
General Subject Index.....	21
Former Title/Database Name Index.....	29

ABSTRACT AND INDEX COLLECTION IN THE RESEARCH INFORMATION CENTER OF THE NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY

ABSTRACTS/INDEXES

ABSTRACT/INDEX HOLDINGS	DESCRIPTION/ SOURCES	PUBLISHER/ASSOCIATION DATABASE	CALL NUMBER
ACM GUIDE TO COMPUTING LITERATURE	Index to the literature of computing and related disciplines	Association for Computing Machinery (ACM)	QA 76 .C62
1977-	Journals, Books, Proceedings, Reports, Theses	MATHSCI*	
ABSTRACT BULLETIN OF THE INSTITUTE OF PAPER SCIENCE AND TECHNOLOGY	Current literature on the principles and technologies of pulp, paper, and board manufacturing	Institute of Paper Science and Technology	Z 7914 .P2A6
v. 1, 1930/31-v. 60, 1990	Journals, Patents	PAPERCHEM	
ABSTRACT JOURNAL IN EARTHQUAKE ENGINEERING	Comprehensive literature in earthquake hazard mitigation	Earthquake Engineering Research Center	TA 658.44 .A25
v. 1, 1971-	Journals	-	
AMERICAN STATISTICS INDEX: INDEXES/ABSTRACTS	Index and abstracts to statistical 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	The Royal Society of Chemistry (U.K.)	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. 40, 1987	Journals, Books	-	

* Some years are available in CD-ROM format.

ABSTRACT/INDEX HOLDINGS	DESCRIPTION/SOURCES	PUBLISHER/ASSOCIATION DATABASE	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.	H. W. Wilson Co.	Z 7913 .I7
v. 1, 1913–	Journals	WILSON 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 SPECTROMETRY ABSTRACTS	Worldwide documentation of all aspects of atomic absorption and emission spectrometry	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	–	
BNF NON-FERROUS METALS ABSTRACTS (British Non-Ferrous Metals Resource Assoc.)	Published information on non-ferrous metallurgy and technology	The BNF Metals Technology Centre (U.K.)	TA 459 .B71
1970–1983	Journals, Patents, Books	NON-FERROUS METALS ABSTRACTS	
BIOGRAPHY INDEX	Cumulative index to biographical material	H. W. Wilson Co.	Z 5301 .B5
v. 1, 1949–v. 41, 1987	Books, Periodicals	WILSON BIOGRAPHY INDEX	BIOG
BIOTECHNOLOGY RESEARCH ABSTRACTS	Literature concerning all aspects of biotechnology	Cambridge Scientific Abstracts	TP 248.2 .B582
v. 3, 1986–	Journals	BIOTECHNOLOGY RESEARCH ABSTRACTS*	

* Some years are available in CD-ROM format.

ABSTRACT/INDEX HOLDINGS	DESCRIPTION/SOURCES	PUBLISHER/ASSOCIATION DATABASE	CALL NUMBER
BRITISH CERAMIC ABSTRACTS	International literature of ceramics	British Ceramic Research Ltd.	TP 785 .B58
1978-1988	Patents, Journals	-	
BUILDING SCIENCE ABSTRACTS	Literature of materials, design, and building research	Her Majesty's Stationery Office	TH 1 .G7
v. 1, 1925-v. 49, 1976	Journals, Reports	-	
BUSINESS PERIODICALS INDEX	Index to journals in the fields of accounting, advertising, banking and finance, business, insurance, labor and management, taxation, personnel administration, etc.	H. W. Wilson Co.	HF 5001 .B8
v. 1, 1958-	Journals	WILSON BUSINESS PERIODICALS INDEX	
CA REVIEWS INDEX (CARI)	A key word in context (KWIC) index to all reviews that appear in CHEMICAL ABSTRACTS	Royal Society of Chemistry	QD 1 .A5124 (Shelved with CHEMICAL ABSTRACTS)
v. 86, 1977-v. 97, 1982	Journals	-	
CIS INDEX/ANNUAL	Index to congressional publications	Congressional Information Service (CIS)	KF 49 .C621 IGA
1970-	Hearings, Public Laws, Reports, Bills	CIS	
CSIRO ABSTRACTS (Commonwealth Scientific and Industrial Research Organization)	Abstracts of CSIRO published papers and translations	CSIRO Central Information (Australia)	Q 4 .A9
v. 1, 1952-v. 22, 1974	Journals, Reports, Proceedings	-	
CSIRO INDEX	Index of CSIRO published papers and translations	CSIRO Central Information (Australia)	Q 179.9 .A9 (M-Later years only)
1975-1986	Journals, Translations, Reports	-	
CERAMIC ABSTRACTS	International literature of ceramics	American Ceramic Society	TP 785 .A64
v. 1, 1922-	Journals, Patents, Books	AMERICAN CERAMIC ABSTRACTS	

ABSTRACT/INDEX HOLDINGS	DESCRIPTION/SOURCES	PUBLISHER/ASSOCIATION DATABASE	CALL NUMBER
CHEMICAL ABSTRACTS	Comprehensive worldwide literature of chemistry, including biochemistry and chemical engineering	American Chemical Society	QD 1 .A51 (Located after unbound journals in back of RIC)
v. 1, 1907-	Journals, Patents, Books, Reviews	CHEMICAL ABSTRACTS	
CHINA SCIENCE AND TECHNOLOGY ABSTRACTS Series I: Mathematics, Astronomy, Physics	English abstracts of scientific and technical periodicals in China	International Information Service, Ltd. (Hong Kong)	Q 1 .C45
v. 2, 1981-v. 8, 1987	Periodicals	-	
CHINA SCIENCE AND TECHNOLOGY ABSTRACTS Series II: Chemistry, Earth Science, Energy Sources	English abstracts of scientific and technical periodicals in China	International Information Service, Ltd. (Hong Kong)	Q 1 .C455
v. 6, 1985-v. 8, 1987	Periodicals, Proceedings	-	
CHINA SCIENCE AND TECHNOLOGY ABSTRACTS Series III: Industrial Technology	Comprehensive index to articles in Chinese scientific and technical publications	International Information Service, Ltd. (Hong Kong)	Q 1 .C46
v. 2, 1981; v. 5, 1984-v. 8, 1987	Periodicals	-	
CHINESE SCIENCE ABSTRACTS Part A: Mathematics, Mechanics, Astronomy and Space, Physics, Technical Sciences	Abstracts of important scientific articles from the Chinese literature	Science Press (Beijing)	Q 1 .C42
1982-1989	Periodicals, Proceedings	-	
CHINESE SCIENCE ABSTRACTS Part B: Chemistry, Life Sciences, Earth Sciences	Abstracts of important scientific articles from the Chinese literature	Science Press (Beijing)	Q 1 .C44
1982-1989	Periodicals, Proceedings	-	
CIVIL ENGINEERING HYDRAULICS ABSTRACTS	Worldwide literature of applied fluid mechanics	BHRA (The British Hydro-mechanics Research Association)	TC 1 .C15
v. 3, 1970-v. 20, 1987	Journals, Reports, Proceedings	FLUIDEX	
COMPUTER ABSTRACTS	International literature on computer applications	Technical Information Co. Ltd. (U.K.)	QA 76 .C549
v. 4, 1960-	Journals, Reports, Patents, Books	-	

ABSTRACT/INDEX HOLDINGS	DESCRIPTION/SOURCES	PUBLISHER/ASSOCIATION DATABASE	CALL NUMBER
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. 13, 1983-	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-v. 17, 1989	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 journal on corrosion and protection against corrosion	Scientific Information Consultants Ltd. (U.K.)	TA 462 .C654
1969-1987	Journals, Patents	-	
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	-	

ABSTRACT/INDEX HOLDINGS	DESCRIPTION/SOURCES	PUBLISHER/ASSOCIATION DATABASE	CALL NUMBER
CURRENT INDEX OF COMPUTER LITERATURE v. 1, 1985	Listing of the table of contents of computer journals Journals	Information Research Institute, Inc. -	QA 76 .C78
CURRENT INDEX TO STATISTICS; APPLICATIONS, METHODS AND THEORY v. 1, 1975-	Comprehensive coverage of statistics, its applications, methods, and theory Journals	American Statistical Association and Institute of Mathematical Statistics MATHSCI*	HA 1 .C9
CURRENT PHYSICS INDEX v. 1, 1975-	International literature concerning all aspects of physics research and index to CURRENT PHYSICS MICROFORM Journals	American Institute of Physics (AIP) SPIN	QC 1 .C786
CURRENT TECHNOLOGY INDEX v. 3, 1964-	Subject guide to the literature in British technical journals Journals	Bowker-Saur Ltd. CURRENT TECHNOLOGY INDEX	T 1 .C8
DIRECTORY OF PUBLISHED PROCEEDINGS v. 1, 1964-	Bibliography citing published proceedings Proceedings	InterDok Corp. -	Z 7409 .D56 REF
DISSERTATION ABSTRACTS INTERNATIONAL 1862-	Abstracts of international doctoral dissertations from participating universities; master's dissertations for later years Dissertations	University Microfilms International DISSERTATION ABSTRACTS ONLINE	Z 5053 .D5 (M-Scattered years)
EI ENGINEERING CONFERENCE INDEX 1983-1984	International engineering conference literature Proceedings	Engineering Information, Inc. COMPENDEX*	Z 5851 .E6
ELECTRICAL AND ELECTRONICS ABSTRACTS (Science Abstract Series B) v. 1, 1898-	International literature covering all aspects of electrical and electronics engineering Journals, Reports, Books, Dissertations, Patents, Proceedings	INSPEC, Institution of Electrical Engineers (U.K.)/Institute of Electrical and Electronics Engineers, Inc. INSPEC	Q 1 .S331

* Some years are available in CD-ROM format.

ABSTRACT/INDEX HOLDINGS	DESCRIPTION/SOURCES	PUBLISHER/ASSOCIATION DATABASE	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, 1976–1989	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
1975–1987	Journals, Reports	ENERGY SCIENCE AND TECHNOLOGY	
ENGINEERING DATA BANK ABSTRACTS/INDEX 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
1977–1988	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	Taylor and Francis	TA 166 .E7132
v. 6, 1974–v. 19, 1987	Journals, Proceedings, Reports, Book Reviews	–	

* Some years are available in microfiche format.

ABSTRACT/INDEX HOLDINGS	DESCRIPTION/SOURCES	PUBLISHER/ASSOCIATION DATABASE	CALL NUMBER
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
1978-1987	Reports, Technical Data	GIDEP	
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 (ASTM)	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	NTIS*	
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 AND LIQUID CHROMATOGRAPHY LITERATURE	International literature on gas and liquid chromatography	Preston Publications	QD 1 .A1G31
v. 1, 1992-	Journals	-	
GAS CHROMATOGRAPHY LITERATURE, ABSTRACTS AND INDEXES	International literature on gas chromatography	Preston Publications	QD 1 .A1G3
v. 2, 1969-v. 24, 1991	Journals, Conference Papers	-	
GIDEP INDEX OF REPORTS	Index to reports from the Government Industry Data Exchange Program	Government Industry Data Exchange Program (GIDEP)	TS 170 .E52
1990-	Reports	GIDEP	

* Some years are available in CD-ROM format.

ABSTRACT/INDEX HOLDINGS	DESCRIPTION/SOURCES	PUBLISHER/ASSOCIATION DATABASE	CALL NUMBER
GOVERNMENT REPORTS ANNOUNCEMENTS AND INDEX v. 1, 1946–	Listing of government and government-sponsored research and development reports Reports, Journals, Proceedings	National Technical Information Service (NTIS) NTIS*	Z 7916 .B47
INDEX OF MATHEMATICAL PAPERS v. 1, 1970–v. 9, 1979	An author and subject index of all papers and books reviewed in MATHEMATICAL REVIEWS Journals, Books	American Mathematical Society MATHSCI*	QA 1 .M762
INDEX TO SCIENTIFIC AND TECHNICAL PROCEEDINGS 1978–	Multidisciplinary listing of published proceedings Proceedings	Institute for Scientific Information (ISI) ISTP	Q 101 .I5 REF
INDEX TO SCIENTIFIC BOOK CONTENTS 1986–1987	Index to the chapters in scientific books Books	Institute for Scientific Information (ISI) –	Z 7401 .I45
INDEX TO SCIENTIFIC REVIEWS v. 1, 1975–1987	International interdisciplinary index to the review literature of science, medicine, agricultural sciences, technology, and the behavioral sciences Journals	Institute for Scientific Information (ISI) –	Z 7401 .I5
INDEX TO STATISTICS AND PROBABILITY 1973–1975	International literature of statistics and probability Journals	R & D Press MATHSCI*	Z 6654 .M33T84
INFORMATION SCIENCE ABSTRACTS v. 1, 1966–	International literature in the fields of information science, documentation, and related areas Books, Journals, Conference Proceedings, Reports, Patents	Plenum Pub. Corp. INFORMATION SCIENCE ABSTRACTS	Z 699 .A1I5
INIS ATOMINDEX (International Nuclear Information System) v. 6, 1975–	International literature of nuclear science relating to its peaceful applications Reports, Journals, Theses, Proceedings	International Atomic Energy Agency (Austria) ENERGY SCIENCE AND TECHNOLOGY	QC 770 .I2

* Some years are available in CD-ROM format.

ABSTRACT/INDEX HOLDINGS	DESCRIPTION/SOURCES	PUBLISHER/ASSOCIATION DATABASE	CALL NUMBER
INTERNATIONAL ABSTRACTS IN OPERATIONS RESEARCH	Worldwide literature in operations research	MacMillan Press Ltd. (U.K.)	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 .J53
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	John Wiley and Sons Ltd.	TN 860 .J53
v. 1, 1973--	Journals	-	
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 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 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 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	-	

ABSTRACT/INDEX HOLDINGS	DESCRIPTION/SOURCES	PUBLISHER/ASSOCIATION DATABASE	CALL NUMBER
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 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 MATERIALS	Summaries of current Japanese research on composites, metallurgy, powder technology, ceramics, textiles, etc.	University Microfilms, Inc.	TA 401 .J355
v. 1, 1988	Journals	—	
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	—	
JOURNAL OF CURRENT LASER ABSTRACTS	International comprehensive literature on laser theory, design, and application	Pennwell 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
v. 1, 1963–	Book Reviews, Journals	JOURNAL OF ECONOMIC LITERATURE	(M–Earlier Years)
LIBRARY AND INFORMATION SCIENCE ABSTRACTS (LISA)	International literature of library and information science	Bowker-Saur Ltd. (U.K.)	Z 671 .L617
1969–	Journals	LISA	

ABSTRACT/INDEX HOLDINGS	DESCRIPTION/SOURCES	PUBLISHER/ASSOCIATION DATABASE	CALL NUMBER
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	WILSON 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
1976-1989	Journals	-	
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 metallurgy	The Institute of Materials (U.K.)/ ASM International	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	

* Some years are available in CD-ROM format.

ABSTRACT/INDEX HOLDINGS	DESCRIPTION/SOURCES	PUBLISHER/ASSOCIATION DATABASE	CALL NUMBER
MICROCOMPUTER INDEX v. 1, 1980-	A subject index to articles in microcomputer magazines Journals	Learned Information, Inc. MICROCOMPUTER INDEX	QA 76.5 .M5218
MONTHLY CATALOG OF UNITED STATES GOVERNMENT PUBLICATIONS 1895-1976	Publication listings of U.S. Government agencies Reports, Books, Serials	U.S. Government Printing Office (GPO) MONTHLY CATALOG	Z 1223 .A18 (M-Earlier years)
MÖSSBAUER SPECTROSCOPY ABSTRACTS v. 2, 1979-v. 7, 1984	International literature concerning Mössbauer spectroscopy Journals, Proceedings, Reports	PRM Science and Technology Agency Ltd. (U.K.) -	QC 491 .M63
NASA SCIENTIFIC AND TECHNICAL PUBLICATIONS 1977-1986	Catalog of NASA special publications, reference publications, conference publications, and technical papers Reports, Proceedings	National Aeronautics and Space Administration, Scientific and Technical Information Division NASA/RECON	TL 521.312 .N3
NATIONAL BUREAU OF STANDARDS INDEX 1979	Index to the National Bureau of Standards (NBS) documents on file in the GIDEP Technical Library Reports	Government Industry Data Exchange Program (GIDEP) -	QC 100 .U575
NUCLEAR SCIENCE ABSTRACTS v. 1, 1948-v. 33, 1976	Worldwide comprehensive literature of nuclear science Reports, Books, Proceedings, Patents, Journals	U.S. Department of Energy NUCLEAR SCIENCE ABSTRACTS	QC 770 .U64
OR/MS OPERATIONS RESEARCH/MANAGEMENT SCIENCE v. 9, 1969-v. 29, 1989	International literature of operation research and management science Journals	Executive Sciences Institute, Inc. -	HD 20 .06
PAIS INTERNATIONAL IN PRINT v. 55, 1969-1991	Worldwide literature related to economic and social conditions, public administration, and international relations Books, Pamphlets, Government Publications, Reports, Journals	Public Affairs Information Service, Inc. PAIS	Z 7163 .P9

ABSTRACT/INDEX HOLDINGS	DESCRIPTION/SOURCES	PUBLISHER/ASSOCIATION DATABASE	CALL NUMBER
PHOTOGRAPHIC ABSTRACTS v. 1, 1921-1987	Abstracts of the world literature of the science, technology, and applications of photography Journals, Patents	The Royal Photographic Society of Great Britain/Pergamon Press -	TR 1 .P4
PHYSICS ABSTRACTS (Science Abstracts Series A) v. 1, 1898-	International literature covering the entire field of physics Journals, Reports, Books, Dissertations, Patents, Proceedings	INSPEC, Institution of Electrical Engineers (U.K.)/Institute of Electrical and Electronics Engineers, Inc. INSPEC	Q 1 .S311
PHYSICS BRIEFS; PHYSIKALISCHE BERICHTE v. 1, 1920-v. 5, 1983	Worldwide literature covering all fields of physics and related topics Journals, Books, Patents, Reports, Theses, Proceedings	Physik Verlag GmbH (West Germany) PHYSICS BRIEFS	QC 1 .P68 (1920-1978 NCC)
PRINTED CIRCUITS AND ELECTRONICS COATINGS ABSTRACTS v. 7, 1991-	Comprehensive world coverage of the literature on printed circuit production and fabrication and of manufacturing and coating techniques and equipment for integrated circuits, semiconductors, connectors, and specialized applications Journals, Patents	Finishing Publications Ltd. (U.K.) -	TK 7868 .P7P74
PUBLICATIONS OF THE NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY 1901-	A comprehensive listing of technical publications by the U.S. National Institute of Standards and Technology (formerly National Bureau of Standards) Reports, Journals, Proceedings, Patents	U.S. National Institute of Standards and Technology/GPO NTIS*	QC 100 .U57 SP305 NIST
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

* Some years are available in CD-ROM format.

ABSTRACT/INDEX HOLDINGS	DESCRIPTION/SOURCES	PUBLISHER/ASSOCIATION DATABASE	CALL NUMBER
READERS' GUIDE TO PERIODICAL LITERATURE	Cumulative author-subject index to periodicals of general interest covering a wide variety of general subjects	H. W. Wilson Co.	AI 3 .R4
v. 29, 1969–	Periodicals	WILSON READERS' GUIDE TO PERIODICAL LITERATURE	
REFERATIVNYI ZHURNAL: FIZIKA	World's literature in physics	Akademiya Nauk SSSR	QC 1 .A419
1960–	Journals, Books, Patents	–	
REFERATIVNYI ZHURNAL: MATEMATIKA	World's literature in mathematics	Akademiya Nauk SSSR	QA 1 .A373
1966–	Journals, Books, Patents	–	
REFERATIVNYI ZHURNAL: MEKHANIKA	World's literature in mechanics	Akademiya Nauk SSSR	QC 1 .A41
1956–	Journals, Books, Patents	–	
REFERATIVNYI ZHURNAL: METALLURGIYA	World's literature in metals	Akademiya Nauk SSSR	TN 1 .R4
1984–1987	Journals, Books, Patents	–	
REFERENCE SOURCES	Comprehensive guide to reference materials	Pierian Press	Z 1035.1 .R4
v. 1, 1977–v. 7, 1983	Books	–	
RELIABILITY—MAINTAINABILITY DATA INTERCHANGE	Reliability and maintainability data on parts, components, assemblies, equipment, etc.	Government Industry Data Exchange Program (GIDEP)	TS 173 .R45
1978–1989	Reports, Technical Data	GIDEP	
REVIEWS IN COMPLEX ANALYSIS	Reviews on complex analysis which appear in MATHEMATICAL REVIEWS	American Mathematical Society	QA 1 .M761
1980–1986	Journals	MATHSCI*	

* Some years are available in CD-ROM format.

ABSTRACT/INDEX HOLDINGS	DESCRIPTION/SOURCES	PUBLISHER/ASSOCIATION DATABASE	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 ABSTRACTS	Literature on robot research, design and application in industrial and non-industrial settings	Bowker A&I Pub.	TS 191.8 .R55
v. 1, 1983-v. 8, 1990	Journals	-	
ROBOTICS TECHNOLOGY ABSTRACTS	Worldwide literature on the manufacture and use of robots	Cranfield Press (U.K.)	TS 191.8 .R64
v. 3, 1984-v. 6, 1987	Journals, Reports, Patents, Proceedings	-	
ROYAL SOCIETY OF LONDON. CATALOGUE OF SCIENTIFIC PAPERS	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
1945-	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-v. 29, 1991	Reports, Patents, Dissertations	AEROSPACE DATABASE; NASA/RECON	

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ABSTRACT/INDEX HOLDINGS	DESCRIPTION/SOURCES	PUBLISHER/ASSOCIATION DATABASE	CALL NUMBER
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	-	
SOLID STATE ABSTRACTS JOURNAL	Comprehensive coverage of the world literature on the theory, production, and use of solid state materials and devices	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-v. 10, 1989	Directories, Statistical Publications	-	
STATISTICAL THEORY AND METHOD ABSTRACTS	International literature of statistical mathematics	International Statistical Institute	HA 1 .S764
v. 1, 1959-	Journals, Reports, Proceedings	-	
STEELS ALERT	International literature on developments in the steel industry	Metals Information	TN 1 .M51531
v. 1, 1983-v. 7, 1989	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	-	

ABSTRACT/INDEX HOLDINGS	DESCRIPTION/SOURCES	PUBLISHER/ASSOCIATION DATABASE	CALL NUMBER
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–v. 54, 1988	Reviews	–	
THEORETICAL CHEMICAL ENGINEERING	Listing of abstracts in the chemical engineering literature	The Royal Society of Chemistry (U.K.)	TP 1 .T47
v. 1, 1964–	Journals, Reports, Books	–	
TRANSLATIONS INDEX	Translations into English of technical papers on metals and materials	Institute of Metals/ASM International	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 ADVISORY COMMITTEE FOR AERONAUTICS. LISTS OF ITS TECHNICAL MEMORANDA, TECHNICAL NOTES, AND WAR TIME REPORTS	List of reports published by NACA (U.S. National Advisory Committee for Aeronautics)	National Advisory Committee for Aeronautics	TL 787 .U51
v. 1, 1936–v. 2, 1948	Reports	–	
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	–	
WORLD CERAMIC ABSTRACTS	International literature of ceramics	Pergamon Press	TP 785 .W67
1978–	Patents, Journals	–	

ABSTRACT/INDEX HOLDINGS	DESCRIPTION/SOURCES	PUBLISHER/ASSOCIATION DATABASE	CALL NUMBER
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	WORLD SURFACE COATINGS ABSTRACTS	
WORLD TEXTILE ABSTRACTS	Worldwide literature of textiles and the textile industry	Elsevier Science Publishers Ltd. (U.K.)	TS 1300 .W6
v. 1, 1969-	Journals, Proceedings, Patents, Standards, Books, Reports	WORLD TEXTILES	
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	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	

NONCURRENT COLLECTION

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

GENERAL SUBJECT INDEX

SUBJECT	ABSTRACT/INDEX
Aerospace and Aeronautical Engineering	EI Engineering Conference Index Engineering Index Government Reports Announcements and Index International Aerospace Abstracts NASA Scientific and Technical Publications Science Citation Index Scientific and Technical Aerospace Reports U.S. National Advisory Committee for Aeronautics. Lists of its Technical Memoranda, Technical Notes, and War Time 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	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 OR/MS Operations Research/Management Science PAIS International in Print
Ceramics	British Ceramic Abstracts Ceramic Abstracts Japan Materials World Ceramic Abstracts
Chemistry and Chemical Engineering	Abstract Bulletin of the Institute of Paper Science and Technology Analytical Abstracts BNF Non-Ferrous Metals Abstracts British Abstracts, Series A, B, C (NCC) British Ceramic Abstracts

GENERAL SUBJECT INDEX

SUBJECT

ABSTRACT/INDEX

Chemistry and Chemical Engineering (cont'd)

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
 Engineering Index
 Gas Abstracts
 Gas and Liquid Chromatography Literature
 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
 World Ceramic Abstracts
 World Surface Coatings Abstracts
 X-ray Florescence Spectrometry Abstracts

Civil Engineering

Abstract Journal in Earthquake Engineering
 Civil Engineering Hydraulics Abstracts
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 Concrete Abstracts
 Cumulative Index to the ASCE Publications
 EI Engineering Conference Index
 Engineering Data Bank Abstracts/Index 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
 OR/MS Operations Research/Management Science

Consumer Information

Consumer Index to Product Evaluations and Information Sources

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GENERAL SUBJECT INDEX

SUBJECT	ABSTRACT/INDEX
Earth and Space	<ul style="list-style-type: none"> Astronomy and Astrophysics Abstracts China Science and Technology Abstracts Series II International Aerospace Abstracts Science Citation Index Scientific and Technical Aerospace Reports Selected Water Resources Abstracts U.S. National Aeronautics and Space Administration. Index of NASA Technical Publications
Electronics and Electrical Engineering	<ul style="list-style-type: none"> EI Engineering Conference Index Electrical and Electronics Abstracts Electroanalytical Abstracts Electronic Instrumentation Electronics and Communications Abstracts Engineering Index Government Reports Announcements and Index Japan Electronics Printed Circuits and Electronics Coatings Abstracts Science Citation Index Solid State Abstracts Journal Surface Treatment Technology Abstracts
Energy	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> Chemical Abstracts Engineering Index Science Citation Index Selected Water Resources Abstracts
Government Reports	<ul style="list-style-type: none"> American Statistics Index Energy Research Abstracts Government Reports Announcements and Index Monthly Catalog of United States Government Publications NASA Scientific and Technical Publications National Bureau of Standards Index PAIS International in Print Publications of the National Institute of Standards and Technology Scientific and Technical Aerospace Reports U.S. National Advisory Committee for Aeronautics. Lists of its Technical Memoranda, Technical Notes, and War Time Reports U.S. National Aeronautics and Space Administration. Index of NASA Technical Publications
Information Science	<ul style="list-style-type: none"> Information Science Abstracts Library and Information Science Abstracts Library Literature National Union Catalog (NCC)

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SUBJECT	ABSTRACT/INDEX
Instrumentation	EI Engineering Conference Index Electronic Instrumentation Engineering Index Measurements in Physics
Law and Legislative Processes	CIS Index/Annual PAIS International in Print
Life Sciences/Biology	Government Reports Announcements and Index Japan Biosciences Science Citation Index Selected Water Resources Abstracts
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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

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GENERAL SUBJECT INDEX

SUBJECT

ABSTRACT/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
 World Surface Coatings Abstracts

Nuclear Science

Chemical Abstracts
 Engineering Index
 Government Reports Announcements and Index
 INIS Atomindex
 Nuclear Science Abstracts
 Science Citation 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

Surface Treatment Technology Abstracts
 World Surface Coatings Abstracts

Paper and Paper Industry

Abstract Bulletin of the Institute of Paper Science and Technology

Patents

Abstract Bulletin of the Institute of Paper Science and Technology
 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

GENERAL SUBJECT INDEX

SUBJECT	ABSTRACT/INDEX
Patents (cont'd)	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
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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 Physics Briefs; Physikalische Berichte Referativnyi Zhurnal: Fizika Rheology Abstracts
Plastics	Chemical Abstracts RAPRA Abstracts
Public Administration	PAIS International in Print
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Safety Science	Failure Experience Data Index Safety Science Abstracts
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GENERAL SUBJECT INDEX

SUBJECT

ABSTRACT/INDEX

Science and Technology/Multidisciplinary (cont'd)

GIDEP Index of Reports
 Government Reports Announcements and Index
 Index to Scientific and Technical Proceedings
 Index to Scientific Book Contents
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 International Catalogue of Scientific Literature (NCC)
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 Metrology Data Bank Index
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 Reference Sources
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 Technical Book Review Index
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 World Transindex
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Textile Industry

World Textile Abstracts

Translations

Translations Index
 Translations Register Index
 World Transindex
 World Translations Index

Water Resources

Civil Engineering Hydraulics Abstracts
 Selected Water Resources Abstracts

FORMER TITLE/DATABASE NAME INDEX

Former or Related Title/Database Name	See	Current Title
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ASM Translation Index		Translations Index
Abstracts of Declassified Documents		Nuclear Science Abstracts
Aerospace Database		International Aerospace Abstracts Scientific and Technical Aerospace Reports
American Ceramic Abstracts		Ceramics Abstracts
Atomic Absorption and Flame Emission Spectroscopy Abstracts		Atomic Absorption and Emission Spectrometry 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		Civil Engineering Hydraulics Abstracts
Chemical Abstracts Reviews Index		CA Reviews Index
COMPENDEX		EI Engineering Conference Index Engineering Index
Current Physics Microform		Current Physics Index
Documentation Abstracts		Information Science Abstracts
Electrical Measurement and Instrumentation		Electronic Instrumentation
Energy Science and Technology		Energy Research Abstracts INIS Atom Index
Finishing Abstracts		Metal Finishing Abstracts
FLUIDEX		Civil Engineering Hydraulics Abstracts
GIDEP		Engineering Data Bank Abstracts/Index of Reports Failure Experience Data Index GIDEP Index of Reports Metrology Data Bank Index Reliability-Maintainability Data Interchange
ISTP		Index to Scientific and Technical Proceedings
Industrial Arts Index		Applied Science and Technology Index

FORMER TITLE/DATABASE NAME INDEX

Former or Related Title/Database Name	See	Current Title
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Japan Technology		Japanese Technical Abstracts
Library Science Abstracts		Library and Information Science Abstracts
LISA		Library and Information Science Abstracts
MATH		Zentralblatt für Mathematik und ihre Grenzgebiete: Mathematics Abstracts
MATHSCI		ACM Guide to Computing Literature Current Index to Statistics Index of Mathematical Papers Index to Statistics and Probability Mathematical Reviews Reviews in Complex Analysis
METADEx		Metals Abstracts
Metron		Electronic Instrumentation Measurements in Physics
NASA/RECON		Scientific and Technical Aerospace Reports
Non-Ferrous Metals Abstracts		BNF Non-Ferrous Metals Abstracts
NTIS		Government Reports Announcements and Index Publications of the National Institute of Standards and Technology
PAIS		PAIS International in Print
PAIS Bulletin		PAIS International in Print
PAPERCHEM		Abstract Bulletin of the Institute of Paper Science and Technology
Physical Measurements and Instrumentation		Measurements in Physics
Physikalische Berichte		Physics Briefs; Physikalische Berichte
Referativnyi Zhurnal; Korrozerja 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

FORMER TITLE/DATABASE NAME INDEX

Former or Related Title/Database Name	See	Current Title
Science Abstracts Series C		Computer and Control Abstracts
SCISEARCH		Science Citation Index
Semiconductor Electronics		Solid State Abstracts Journal
SPIN		Current Physics Index
STAR		Scientific and Technical Aerospace Reports
U.S. Atomic Energy Commision. Abstracts of Declassified Documents		Nuclear Science Abstracts
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BIBLIOGRAPHIC DATA SHEET

1. PUBLICATION OR REPORT NUMBER

NIST/SP-836

2. PERFORMING ORGANIZATION REPORT NUMBER

3. PUBLICATION DATE

June 1992

4. TITLE AND SUBTITLE

Abstract and Index Collection in the Research Information Center of the National Institute of Standards and Technology

5. AUTHOR(S)

Diane Cunningham

6. PERFORMING ORGANIZATION (IF JOINT OR OTHER THAN NIST, SEE INSTRUCTIONS)

U.S. DEPARTMENT OF COMMERCE
NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY
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7. CONTRACT/GRANT NUMBER

8. TYPE OF REPORT AND PERIOD COVERED

final

9. SPONSORING ORGANIZATION NAME AND COMPLETE ADDRESS (STREET, CITY, STATE, ZIP)

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