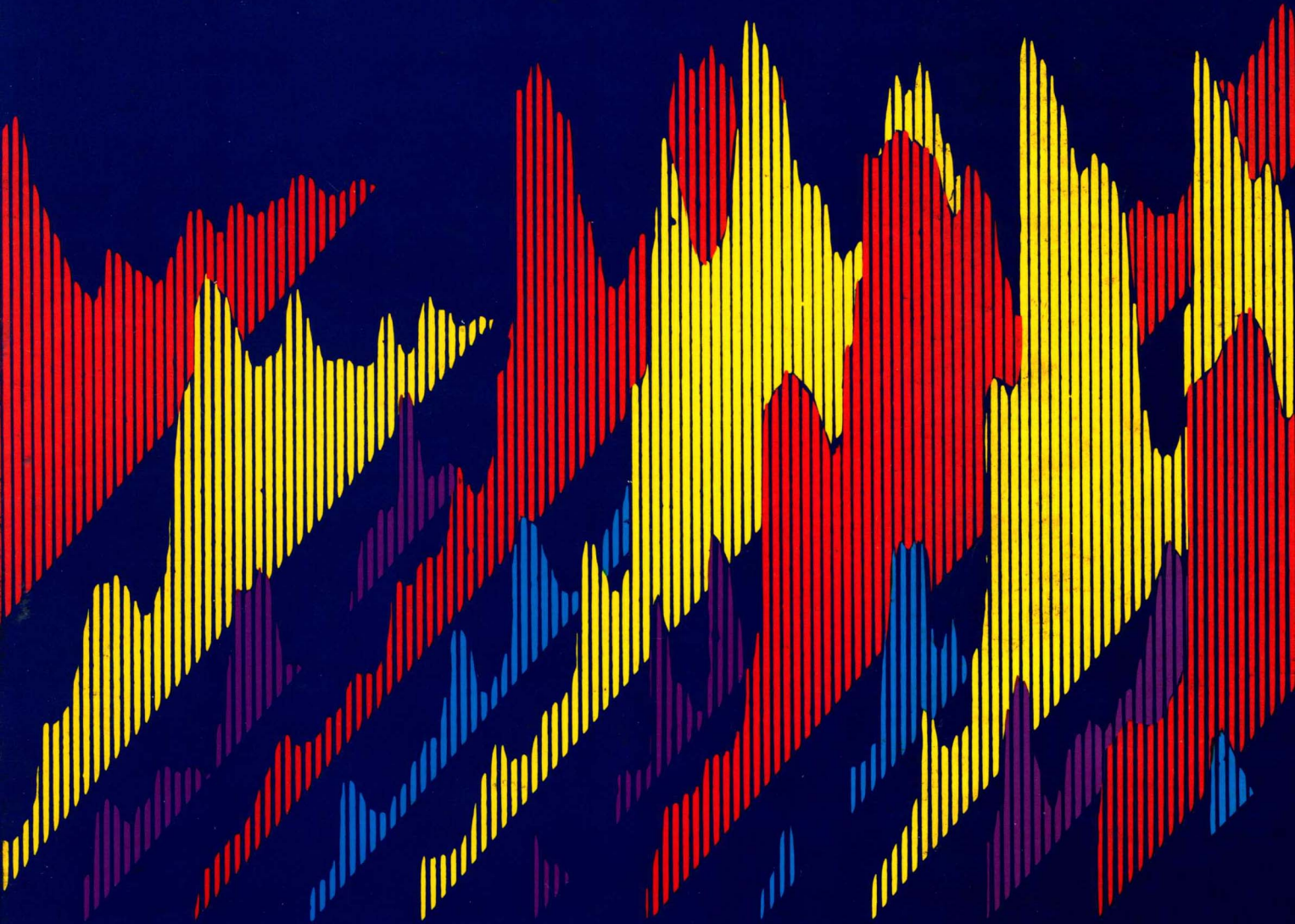


# 1988 Encyclopedia of Information Systems and Services

VOLUME 3: INDEXES



**EIGHTH EDITION**

Amy Lucas and  
Annette Novallo,  
Editors

# 1988 Encyclopedia of Information Systems and Services

**EIGHTH EDITION**

(In Three Volumes:  
United States Listings, International Listings, and Indexes)

An International Descriptive Guide to Approximately 4,100  
Organizations, Systems, and Services Involved in the Production and Distribution  
of Information in Electronic Form

Including Data Base Producers and Their Products, Online Host Services and Time  
Sharing Companies, CD-ROM Publishers and Service Companies, Videotex/Teletext  
Information Services, Transactional Services, Library and Information Networks,  
Bibliographic Utilities, Library Management Systems, Information Retrieval Software,  
Mailing List Services, Fee-Based Information on Demand Services, Document Delivery  
Sources, Data Collection and Analysis Centers and Firms, and Related Consultants,  
Service Companies, Professional and Trade Associations, Publishers, and Research  
Activities

## **VOLUME 3: INDEXES**

Consolidated Indexes to Material Appearing in the United States  
and International Listings Volumes

**Amy Lucas and  
Annette Novallo,**  
Editors

**Nan Soper,**  
Associate Editor

Amy Lucas and Annette Novallo, *Editors*  
Nan Soper, *Associate Editor*  
Kathleen J. Edgar, *Senior Assistant Editor*  
Christine Tomassini, *Senior Assistant Editor*  
Julie Adams, *Assistant Editor*  
Bradley J. Morgan, *Assistant Editor*  
Doris Sears, *Assistant Editor*  
Kathleen P. Wambley, *Editorial Assistant*

Dennis G. LaBeau, *Editorial Data Systems Director*  
Robert D. Aitchison, *Data Entry Programmer*  
Mary Beth Trimper, *External Production Manager*  
Anthony J. Scolaro, *Production Assistant*  
Arthur Chartow, *Art Director*

Frederick G. Ruffner, *Chairman*  
Thomas A. Paul, *President*  
Dedria Bryfonski, *Publisher*  
Ellen T. Crowley, *Associate Editorial Director*  
Katherine Gruber, *Director, General Reference Directories Division*  
Martin Connors, *Senior Editor, Electronic Information Series*

Copyright © 1971, 1974 by Anthony T. Kruzas  
Copyright © 1978, 1981, 1982, 1985, 1987, 1988 by Gale Research Company

ISBN 0-8103-2532-2 (set)  
ISBN 0-8103-2530-6 (Volume 1)  
ISBN 0-8103-2531-4 (Volume 2)  
ISSN 0734-9068

Computerized photocomposition by  
Computer Composition Corporation  
Madison Heights, Michigan

Printed in the United States of America

# **Encyclopedia of Information Systems and Services**

## Related Titles Published by Gale Research Company

**Computer-Readable Databases: A Directory and Data Sourcebook.** Now available from Gale. Covers 2,800 publicly available databases in two subject-oriented volumes: Science, Technology, Medicine; Business, Law, Social Sciences, and Humanities.

**Telecommunications Systems and Services Directory.** Detailed guide to more than 2,000 national and international communications systems and services for the transmission of voice, data, text, and images. Specific areas covered include long-distance telephone services, data communications networks, teleconferencing services, electronic mail, facsimile, telex and telegram, satellite services, shared tenant services, videotex/teletext communications services, local area networks, and transactional services such as home banking. Also covers telecommunications consultants, law firms, publishers and information sources, associations, research institutes, and regulatory bodies. Includes a telecommunications glossary and master, function/service, geographic, and personal name indexes. Also available: interedition supplement.

**Online Database Search Services Directory.** A guide to 1,700 information firms and libraries in the U.S. and Canada which provide publicly available computerized information retrieval services from data bases offered commercially. Arranged geographically by state or province. OLDSS covers services accessing more than 140 online vendors and 250 data bases.

**Computers and Computing Information Resources Directory.** Designed as a simple one-stop source of information on computers and computing in all disciplines, CCIRD is an international descriptive guide to 7,000 organizations and publications in every field. CCIRD presents selections of relevant information from 12 current Gale directories as well as 1,400 originally prepared descriptions of journals. Included are associations and user groups, research centers, consultants, special libraries, trade shows, university computer facilities, directories, and newsletters (in addition to the journal coverage). Also available: interedition supplement.

**Computers and Telecommunications Acronyms.** A subject-specific guide to 25,000 generally used acronyms, initialisms, abbreviations, and similar condensed appellations used in the fields of computer science and telecommunications. Arranged both by acronym and by definition, each entry includes the acronym, its definition, and, in many cases, additional information such as subject category, geographic location, and citation of sources.

# Contents

## Volume 3

## Indexes

*These Indexes provide consolidated access to material appearing in Volumes 1 and 2 of the Encyclopedia. See "Index Notes" on page 1499 for details.*

<b>BRIEF GUIDE TO USING THIS BOOK</b> .....	inside front cover
<b>INDEX NOTES</b> .....	1499
<b>MASTER INDEX</b> .....	1505
<b>DATA BASES INDEX</b> .....	1757
<b>PUBLICATIONS INDEX</b> .....	1819
<b>SOFTWARE INDEX</b> .....	1867
<b>FUNCTION/SERVICE CLASSIFICATIONS</b> .....	1875
Abstracting and Indexing .....	1875
Associations .....	1886
Community Information and Referral .....	1887
Computerized Searching .....	1887
Consultants .....	1902
Data Base Producers and Publishers .....	1905
Data Collection and Analysis .....	1931
Document Delivery .....	1941
Electronic Mail Applications .....	1946
Information on Demand .....	1947
Library and Information Networks .....	1949
Library Management Systems .....	1950
Magnetic Tape/Diskette .....	1951
Micrographic Applications .....	1958
Mailing List Services .....	1965
Online Host Services .....	1966
Optical Publishing Applications .....	1971
Personal Computer Oriented Services .....	1973
Photocomposition Services .....	1975
Research and Research Projects .....	1976
SDI/Current Awareness .....	1977
Software Producers .....	1982
Transactional Services .....	1985
Videotex/Teletext Information Services .....	1986
<b>PERSONAL NAME INDEX</b> .....	1989
<b>GEOGRAPHIC INDEXES</b> .....	
United States .....	2081
International .....	2167
<b>SUBJECT INDEX</b> .....	2215



# Contents

## Volume 3

## Indexes

*These Indexes provide consolidated access to material appearing in Volumes 1 and 2 of the Encyclopedia. See "Index Notes" on page 1499 for details.*

<b>BRIEF GUIDE TO USING THIS BOOK</b> .....	inside front cover
<b>INDEX NOTES</b> .....	1499
<b>MASTER INDEX</b> .....	1505
<b>DATA BASES INDEX</b> .....	1757
<b>PUBLICATIONS INDEX</b> .....	1819
<b>SOFTWARE INDEX</b> .....	1867
<b>FUNCTION/SERVICE CLASSIFICATIONS</b> .....	1875
Abstracting and Indexing .....	1875
Associations .....	1886
Community Information and Referral .....	1887
Computerized Searching .....	1887
Consultants .....	1902
Data Base Producers and Publishers .....	1905
Data Collection and Analysis .....	1931
Document Delivery .....	1941
Electronic Mail Applications .....	1946
Information on Demand .....	1947
Library and Information Networks .....	1949
Library Management Systems .....	1950
Magnetic Tape/Diskette .....	1951
Micrographic Applications .....	1958
Mailing List Services .....	1965
Online Host Services .....	1966
Optical Publishing Applications .....	1971
Personal Computer Oriented Services .....	1973
Photocomposition Services .....	1975
Research and Research Projects .....	1976
SDI/Current Awareness .....	1977
Software Producers .....	1982
Transactional Services .....	1985
Videotex/Teletext Information Services .....	1986
<b>PERSONAL NAME INDEX</b> .....	1989
<b>GEOGRAPHIC INDEXES</b> .....	
United States .....	2081
International .....	2167
<b>SUBJECT INDEX</b> .....	2215





# INDEX NOTES

The Indexes Volume of the *Encyclopedia* provides access to the organizations, systems, products, and services described in the United States and International listings volumes through 32 indexes (24 of which are grouped in the Function/Service Classifications). The nature and scope of each of the indexes are given below. The indexes refer to listings by entry number rather than page number. References to the United States and International listings are interfiled in each index except the Geographic Indexes; the entry number range for each volume is given on the top of each right-hand page.

**MASTER INDEX.** An all-inclusive, one-stop listing of the organizations, systems, products, and services described in both volumes of the *Encyclopedia*. Includes name and acronym entries, arranged alphabetically, for organizations and their subdivisions and for all distinctively named systems, services, data bases, publications, software products, conferences, projects, seminars, etc. *Names listed here may appear in boldface at the beginning of the entry referred to or anywhere within the text of that entry.* U.S. government agencies are not grouped under "U.S." here as they are in the main section, but are distributed alphabetically under the specific department or agency (such as "Department of Energy"); foreign government agencies are listed under both the country name and the individual name.

**DATA BASES INDEX.** Machine-readable files produced by the organizations described in the *Encyclopedia*, including bibliographic, referral, full-text, numeric, statistical, online, videotex, offline, and other types of data bases. References in this index are generally made to the producing organization rather than to organizations providing online access or tape copies. In addition to actively maintained files, the index includes data bases that are no longer updated as well as those files in the process of being computerized for the first time. Data bases known by variant names and acronyms are entered under all approaches, including the names of corresponding publications if different. When there is no distinctive name for a file, it is listed under the name of the producing organization.

**PUBLICATIONS INDEX.** A listing of periodicals and other print and microform publications issued by the organizations described in both volumes. Among these are publications produced from computer-readable data bases (these are also listed in the Data Bases Index); user guides, search aids, and similar documentation; and newsletters, journals, and directories concerned with the information field. Listed under both full name and acronym.

**SOFTWARE INDEX.** Software produced or provided by organizations listed in both volumes. Generally they are for such applications as information retrieval, automatic indexing, library automation, data base management, photocomposition, statistical data base analysis, and other information work. Listed under both full name and acronym.

**FUNCTION/SERVICE CLASSIFICATIONS.** Classifies organizations, systems, and services into 24 main categories according to their chief functions or types of services provided. Entries appear alphabetically in all applicable categories. The classifications can be cross-checked against each other or against terms in the Subject Index to produce more specific groupings. For example, firms that both produce data bases and operate online host services may be located by comparing the Data Base Producers and Publishers group against the Online Host Services category. Similarly, bibliographic data bases in the field of agriculture can be located by comparing the Abstracting and Indexing category against the appropriate subject headings in the Subject Index. Following are descriptions of the function/service classifications used. (New with this edition are Mailing List Services and Transactional Services.)

*Abstracting and Indexing.* Organizations whose activities include indexing, abstracting, or both. Emphasis is on organizations issuing computer-produced publications and bibliographic data bases that are publicly available.

*Associations.* Professional and trade associations and other membership groups with interests and programs in the information, electronic publishing, library automation, and related fields.

*Community Information and Referral.* Organizations using computer and micrographic technology to support the provision of referrals to human services agencies in their communities. Applications

can include computer-generated microform or hardcopy directories of agencies, online searching in response to inquiries, demographic data collection and analysis, etc.

*Computerized Searching.* Organizations that conduct online or batch-mode current or retrospective retrieval from computer-readable data bases. Includes organizations using publicly available data bases as well as organizations providing services from their own files only.

*Consultants.* Organizations and services that provide consultation, and systems analysis and design, in the fields of information provision and access.

*Data Base Producers and Publishers.* Organizations that create (or employ a contractor to create) computer-readable files of bibliographic or nonbibliographic information for internal use or public access. Data bases produced by these organizations are listed in the separate Data Bases Index.

*Data Collection and Analysis.* Organizations that collect, analyze, process, evaluate, and disseminate raw numeric data in such fields as social science, science and technology, economics, and medicine. Includes standard data reference centers, social science data archives, commercial demographic and marketing firms, government agencies, research institutes, and other organizations.

*Document Delivery.* Organizations that, on a demand basis, locate, retrieve, and deliver the full text of periodical articles, government documents, conference proceedings, patents, reports, and other materials required by the client. Includes organizations providing services only from their own collections as well as organizations using publicly available sources. In addition to the document suppliers, organizations offering electronic ordering facilities through which suppliers can be contacted are also listed here.

*Electronic Mail Applications.* Organizations whose information systems and services include capabilities allowing clients to electronically send and receive messages. (Organizations offering pure electronic mail services without providing information services fall outside the scope of this directory.)

*Information on Demand.* Organizations providing fee-based custom information services in client-specified subject areas using publicly available print and computerized information sources. Services provided usually include online searching; document delivery; literature compilations; library research; preparation of bibliographies, abstracts, or indexes; establishment of current awareness services; etc.

*Library and Information Networks.* Networks, consortia, and systems that represent cooperative efforts to share resources or provide information to a specific membership. Individual network members are not listed or referenced here.

*Library Management Systems.* Systems and software available for installation in a library or information center to support the management of circulation, acquisitions, catalog inquiry, administration, and similar library functions. Includes systems that are marketed by commercial firms as well as systems developed internally and maintained by libraries.

*Magnetic Tape/Diskette.* Organizations that make available proprietary or public information on computer tapes or diskettes for installation and use on the client's own facilities. Includes information producers that license copies of their data bases as well as service firms that package census and other public data in computer-readable form for use by clients.

*Mailing List Services.* Classifies those organizations that compile and maintain mailing list information on organizations and individuals and make this information available to others on Cheshire cards, pressure-sensitive labels, magnetic tapes, diskettes, and in other formats. Also covers organizations providing consulting, software, and other services in this area, including list conversion, maintenance, and management.

*Micrographic Applications.* Organizations whose computerized information storage and retrieval systems include micrographic applications and products. Excluded from this directory are companies solely concerned with micropublication or the manufacture and distribution of micrographic equipment.

*Online Host Services.* Organizations that maintain data bases and software on their computer facilities and permit clients at multiple remote locations to retrieve needed information using online terminals. Includes commercial online search services, government systems, time-sharing companies that carry data bases, videotex/teletext information systems, online cataloging support services, and similar operations. Also listed in this index are the major international telecommunications networks through which computers and terminals communicate.

*Optical Publishing Applications.* Classifies organizations involved in such recent technologies as CD-ROM and optical discs; included are both information producers that make their products available in this form and organizations offering conversion services for publishers.

*Personal Computer Oriented Services.* Online services, software, library management systems, data bases, and other systems and products that are specifically designed for or actively marketed to personal computer users (often, end users).

*Photocomposition Services.* Covers those organizations that provide computer-assisted production of camera-ready printed materials, such as catalogs, directories, encyclopedias, indexing and abstracting publications, and manuals. This covers organizations that produce materials from in-house or client-maintained data bases, as well as organizations providing software or consulting services in this area.

*Research and Research Projects.* Institutes, libraries, centers, government units, and market research firms that conduct research in the information field on a continuing basis.

*SDI Current Awareness.* Lists organizations that report selective dissemination of information (SDI) or current awareness programs, including those based on an organization's own information resources and those that cover all available sources.

*Software Producers.* Organizations that produce software and make it available for use on client facilities or through time-sharing. Software applications covered by this book include information storage and retrieval, cataloging and indexing, library automation, photocomposition, statistical analysis, and other information work. The individual software programs made available by organizations appearing here are separately listed in the Software Index.

*Transactional Services.* Classifies those organizations whose information systems and services include capabilities which allow the user to complete transactions electronically from remote locations. Covers such transactions as shopping and ordering documents. (Organizations offering pure transactional services without providing information services fall outside the scope of this directory.)

*Videotex Teletext Information Services.* Organizations that provide or operate videotex/teletext information systems or services, as well as other organizations involved in the field, including consulting firms, videotex data base producers, associations, research operations, etc. Organizations listed here are also entered in other categories for which they qualify: e.g., a videotex consultant appears here and in the Consultants category.

**PERSONAL NAME INDEX.** Includes persons who are directors of organizations and systems described in this book as well as persons who serve as contact points for information about the systems. Personal and organizational titles are generally not included here.

**GEOGRAPHIC INDEXES.** The United States appears first, with entries subarranged by state and then by city. International entries follow alphabetically by country, with entries subarranged by city within country. Listings in the indexes include organization and system or service name, address, telephone number, director name, and entry number.

**SUBJECT INDEX.** An index to the general and specific subject interests reported by the organizations described in this book. Emphasis is on thorough indexing of subjects covered by computer-readable data bases and their print counterparts, although selected information industry service activities are also indexed here. Terms used are based on a modified Library of Congress subject heading list, including "see" and "see also" references. Entries in this index include organization and service name, followed by the entry number in parentheses.



# **Encyclopedia of Information Systems and Services**

**VOLUME 3: INDEXES**



# MASTER INDEX

United States Listings: 1-2800 ● International Listings: 2801-4155

- A & HCI (Arts & Humanities Citation Index) 1094  
 A & RT (Adams and Rountree Technology, Inc.) 22  
 A & W Documentation System 3180  
 A-C-C-E-S-S 1034  
 A.C. Nielsen Company 1595, 1596  
 A Directory of the Government Publications of Iran 3547  
 A/DM & T (PTS Aerospace/Defense Markets & Technology) 1779  
 A/DM & T User Guide 1779  
 A.G.A. (American Gas Association) 94  
 A.G.A. GasNet 94  
 A.G.A. GasNet Data Bases 94  
 A.G.A. GasNet User's Manual 94  
 A.G.A. Legislative Documents 94  
 A.G.A. Press Releases 94  
 A.G.A. Publications Catalog 94  
 A.G.A. Regulatory Documents 94  
 A Guide for Young People in New York City: Help Yourself: 462  
 A Guide to European Community Grants and Loans 3184  
 A Guide to Searching - A SPIRES Primer 2026  
 A Guide to Searching ABI/INFORM ONTAP 2151  
 A Guide to Searching HUD USER ONLINE 2311  
 A Guide to Social and Health Services in New York City: How to Secure Help: 462  
 A.J. Seminars 47  
 A.JOUR 2801  
 A.M. Best Company 235  
 A.M. Best Datacenter Data Bases 235  
 A.M. Best Electronic Retrieval Services (AMBERS) 235  
 A Matter of Fact (AMOF) 1756  
 A Micro Handbook for Small Libraries and Media Centers 2102  
 A Model for Videotex Transaction Processing 2673  
 A.P.P.L.E. Co-op 149  
 A.P.P.L.E. Crate 149  
 A Public Library/Community Access Tool (APL/CAT) 583  
 A Short-Title Catalogue of Eighteenth Century Printed Books in the National Library of Medicine 2420  
 A Study of Active U.S. Gold Mines 1387  
 A.T. Kearney, Inc. 1203  
 A.T.S. (Associated Technical Services, Inc.) 169  
 A-T Videotext 2110  
 A-T Videotext Data Base 2110  
 A Total Library Automated System (ATLAS) 598  
 A-V Catalog Writer 797  
 A-V Online 12  
 A World List of Serial Titles in Aquatic Sciences and Fisheries 4031  
 A/WPR (Air/Water Pollution Report) 313  
 AA (Analytical Abstracts) Online 3849  
 AA (Apicultural Abstracts) 3488  
 AACTE (American Association of Colleges for Teacher Education) 2273  
 AAEDC (American Agricultural Economics Documentation Center) 2227  
 AALL (American Association of Law Libraries) 996  
 AAMSI (American Association for Medical Systems and Informatics) 69  
 AAMSI Communications Data Base 69  
 AAMSI Forum 69  
 AAMSI Membership Directory 69  
 AAP (Association of American Publishers) 180, 181  
 AAP Standard 180  
 AAP Standard for the Preparation and Markup of Electronic Manuscripts 180  
 AAPData 1733  
 AAPG/CSD Exploratory Well File 2616  
 AAPPlanner 1733  
 AARP (American Association of Retired Persons) 70, 71  
 AARTI (Australian Art Index) 2875  
 AASE Australian Associated Stock Exchanges (CLIRS) 3055  
 AAUP (Association of American University Presses) 137, 2646  
 ABA (American Bar Association) 74, 75, 76  
 ABA (American Bar Association) Mailing List Files 76  
 ABA Banking Journal (NEXIS) 1356  
 ABA/net 74  
 ABA/net Data Bases 74  
 ABALL Software Inc. 2802  
 Abar Business Planning Service 3641  
 Abbreviations Dictionary; Acronyms, Initialisms, and 818  
 Abbreviations Dictionary; International Acronyms, Initialisms, and 818  
 ABC (Abstracts in BioCommerce) 2910  
 ABC (Advance Buyer's Checklist) Program 1077  
 ABC (Audit Bureau of Circulations) 197  
 ABC (Audit Bureau of Circulations) Data Bank 197  
 ABC (Automated Book Catalog, Department of Education) 2276  
 ABC (FIZ Technik) 3979  
 ABC Circulation Data Bank 197  
 ABC Circulation Data Bank Service - Audit Bureau of Circulations 197  
 ABC-CLIO 1, 2, 3, 4, 5  
 ABC-CLIO Data Bases 1  
 ABC-CLIO Information Services 1  
 ABC-CLIO Research Guides 1  
 ABC, Inc.; Capital Cities/ 1932  
 ABC International 6  
 ABC POL SCI (Bibliography of Contents: Political Science and Government) 1  
 ABC PUBLISHING Companies 1599, 1600  
 ABC-SPIndex 1  
 ABC Star Service 6  
 ABC World Airways Guide 6  
 ABC Worldwide Hotel Guide 6  
 ABD (Area Business Databank) 990  
 ABDA (Bundesvereinigung Deutscher



- Apothekerverbände) 3309  
 ABDA-INTER (ABDA-Interaktionen) (DIMDI) 3330  
 ABDA-Interaktionen (ABDA-INTER) (DIMDI) 3330  
 ABDA-Pharma 3309  
 ABDA-Pharma Drug File (FAM) 3309  
 ABDA-Pharma Manufacturer's File (HER) 3309  
 ABDA-Pharma Substances File (STO) 3309  
 ABF (American Bar Foundation) 74  
 ABI/INFORM 2151  
 ABIPC (Abstract Bulletin of the Institute of Paper Chemistry) 1101  
 ABIPC: Keyword Index to 1101  
 ABIS (Anglo-Brazilian Information Service), 2826  
 ABIX 2866  
 ABLE 3976  
 ABLEDATA 1533  
 ABLEDATA Thesaurus 1533  
 ABN (Australian Bibliographic Network) 2861  
 ABN (Australian Bibliographic Network) Data Base 2861  
 ABN: A Bibliography 2861  
 ABN Authorities 2861  
 ABN Catalog 2861  
 ABN Catalogue 2860  
 ABN News 2861  
 ABOA (Australian Bibliography of Agriculture) 2856  
 About RLG 1861  
 ABP (UK) Ltd. 3040  
 ABPC (American Book Prices Current) 212  
 ABPR (American Book Publishing Record) System 272  
 ABPR (Weekly Record/American Book Publishing Record System) 272  
 Abridged Biography and Genealogy Master Index 819  
 Abridged Index Medicus 2420  
 Abridged Readers' Guide to Periodical Literature 2745  
 ABS (Australian Bureau of Statistics) 2865  
 ABS (Australian Bureau of Statistics) Data Base 2865  
 ABS (Australian Bureau of Statistics) Time Series Data Base (INFOBANK) 3083  
 ABS Catalogue of Publications 2865  
 Absatzwirtschaft 3380  
 Absatzwirtschaft (ASW) Data Bank 3380  
 Abstract Bulletin of the Institute of Paper Chemistry (ABIPC) 1101  
 Abstract Information Digest Service (AIDS) 803  
 Abstract Journal in Earthquake Engineering 2537  
 Abstract on Hygiene and Communicable Diseases 2951  
 Abstracting and Indexing Career Guide 1517  
 Abstracting and Indexing Services Directory 818  
 Abstracting and Indexing Services in Perspective: Miles Conrad Memorial Lectures 1969-1983 1517  
 Abstracting and Information Services; National Federation of 1517  
 Abstracting Service of Translations About Building 3405  
 Abstracting Society of Canada; Indexing and 3420  
 Abstracts in BioCommerce (ABC) 2910  
 Abstracts Journal (VINITI) 4021  
 Abstracts Manager 1071  
 Abstracts of AIT Reports and Publications on Renewable Energy Resources 2839  
 Abstracts of Bulgarian Scientific Literature: Series A. Plant Breeding 2947  
 Abstracts of Bulgarian Scientific Literature: Series B. Animal Breeding and Veterinary Medicine 2947  
 Abstracts of Entomology 246  
 Abstracts of Health Care Management Studies 2591  
 Abstracts of Mycology 246  
 Abstracts of Romanian Scientific and Technical Literature 3836  
 Abstracts of Science and Technology in Japan 3568  
 Abstracts of Science & Technology Journals in the Republic of China 3678  
 Abstracts of the NSC Awarded Research Papers (Republic of China) 3678  
 Abstracts of Working Papers in Economics (AWPE) 347  
 Abstracts on Health Effects of Environmental Pollutants (HEEP) 246  
 Abstracts on Rural Development in the Tropics (RURAL) 3856  
 Abstracts on Rural Development in the Tropics (RURAL) Data Base 3856  
 Abstracts on Tropical Agriculture (ATA) 3856  
 Abstracts on Tropical Agriculture (ATA) Data Base 3856  
 ABT (Advanced Battery Technology) 1470  
 Abt Associates Inc. 7  
 Abt Computer Graphics Corporation 7  
 Abt Computer Graphics Corporation (ACGC) 7  
 Abteilung Dokumentation - Institut für Ernährungswissenschaft 3471  
 Abteilung Markt-Service - Burda GmbH 2948  
 Abteilung Ökonometrie und Datenverarbeitung - IFO-Institut für Wirtschaftsforschung 3415  
 AC (Auto-Cite) 2663  
 Academic American Encyclopedia 878  
 Academic Book Center 8  
 Academic Book Center Data Base 8  
 Academic Book Price Index; U.K. 3623  
 Academic Book Price Index; USA 3623  
 Academic Computing and Research Services - Western Kentucky University 2719  
 Academic Computing Services Department - University of Washington 2638  
 Academy Award (BASELINE) 220  
 Academy of Sciences of the U.S.S.R. 4018, 4019, 4020, 4021  
 ACAPS (Automated Credit Application Processing System) 112  
 ACBAS 2888  
 Accelerated Learning Project - Utah Information Technology Demonstration Center 2655  
 Accent on Information (AOI) 9  
 Accent on Information (AOI) Data Base 9  
 Accent on Information Progress Report 9  
 Accent on Living 9  
 ACCENT R 1522  
 Accent Special Publications 9  
 Access 554, 650  
 Access - Associated Information Consultants 167  
 ACCESS 2010 10  
 Access Corporation 10  
 Access Data Base 13  
 ACCESS Data Bases 2277  
 Access IMS 1107  
 Access Innovations, Inc. 11, 12  
 Access Publishing Company 13  
 Access Reports/FOI 1457  
 Access, The Daily News Intelligence Service 13  
 Access to Information for Medicine (AIM) 54  
 Access to Information Services (ATIS) Associates 14  
 Access to Justice: The Struggle for Human Rights in Southeast Asia 926  
 Accession Book 1879  
 Accession Control (Right On Programs) 1879  
 Accessoirex 3644  
 Accident/Incident Reporting System (AIRS) 2460  
 Accident/Incident Reporting System Data Base; Aircraft 3494  
 Accident Investigation and Prevention Section - Air Navigation Bureau - International Civil Aviation Organization 3494  
 Accident Investigations Data Base 2217  
 Accident Master File 1402  
 Accident Record Section - Traffic Services Division - Michigan State Police 1402  
 Accidents Navires Avec Deversements Petroliers 3286  
 ACCIS (Advisory Committee for the Co-ordination of Information Systems) 4024  
 ACCIS Newsletter 4024  
 Account Monitor Reports 2138  
 Accountants; American Institute of Certified Public 105, 106  
 Accountants' Index 105  
 Accountants Mailing List Data Base; Roman's Certified Public 1887  
 Accounting (BRS Information Technologies) 294  
 Accounting and Reporting System; Financial 489  
 Accounting Database; Australian 3467  
 Accounting Research System Data Base; National Automated 106  
 Accounting Research System; National Automated 106  
 Accounts of Chemical Research 82  
 Accu-Data 15  
 Accu-Weather Advanced Map Plotting System (AMPS) 15

Accu-Weather Data Base 15  
 Accu-Weather, Inc. 15  
 Accurate Information Service 16  
 ACCUTROL 2155  
 ACDB (Airport Characteristics Data Bank) 3495  
 ACE 4016  
 ACER (Australian Council for Educational Research) 2869  
 ACGC (Abt Computer Graphics Corporation) 7  
 ACH (Association for Computers and the Humanities) 171  
 ACH Newsletter 171  
 ACHEMA Handbook Pollution Control 3131  
 ACHEMA Yearbook, Chemical Engineering from A to Z 3130  
 ACHI 1094  
 Achievements and Perspectives 3492  
 Achievements in Science and Technology (VINITI) 4021  
 ACHLIS (Australian Clearing House for Library and Information Science) 3900  
 ACHLIS (Australian Clearing House for Library and Information Science) Data Base 3900  
 ACHPIRST (Australian Clearing House for Publications in Recreation Sport and Tourism) 3228  
 ACI Computer Services 2803  
 ACI International 2803  
 Acid Precipitation 2303  
 Acid Precipitation Digest 382  
 ACID RAIN (ESA/IRS) 3200  
 Acid Rain Abstracts 731  
 Acid Rain Annual Index 731  
 Acid Rain Data Base 731  
 Acid Rain Fiche 731  
 Acid Rain Information Clearinghouse (ARIC) 382  
 Acid Rain Information System 731  
 Acid Rain: International Bibliography of 246  
 ACIDOC 382  
 Ackerman (Katherine) and Associates 17  
 Ackerman and Warnken Seminars 17  
 ACLI (American Council of Life Insurance) 87  
 ACLU (American Civil Liberties Union) 84  
 ACLU Fund of the National Capital Area 84  
 ACLU Political Asylum Project Data Bases 84  
 ACM (Association for Computing Machinery) 172  
 ACM Guide to Computing Literature 172  
 ACM Transactions on Computer Systems (TOCS) 172  
 ACM Transactions on Database Systems (TODS) 172  
 ACM Transactions on Graphics (TOG) 172  
 ACM Transactions on Mathematical Software (TOMS) 172  
 ACM Transactions on Office Information Systems (TOOIS) 172  
 ACM Transactions on Programming Languages and Systems (TOPLAS) 172  
 ACOG (American College of Obstetricians and Gynecologists) 85  
 ACOG Information 85  
 ACOG Newsletter 85  
 ACOG Resource Center 85  
 ACOMPLINE 3619  
 ACORN 321  
 ACQUE 3559  
 ACQUEST 4079  
 Acquired Immune Deficiency Syndrome (AIDS) Database 2950  
 Acquired Intelligence, Inc. (AII) 18  
 ACQUIRES (Acquisitions and Reporting System) 598  
 Acquisitions (Utias) 4119  
 Acquisitions Alert (Earthquake Engineering Research Center) 2537  
 Acquisitions and Bibliographic Services Branch - National Library of Canada 2979  
 Acquisitions and Reporting System (ACQUIRES) 598  
 Acquisitions Control (Right On Programs) 1879  
 Acquisitions in RLIN II 1862  
 Acquisitions Manager 1801  
 ACR (Applied Computer Research) 150  
 ACRES 224  
 ACRES (Agricultural Communications and Resource Evaluation Systems) 91  
 ACRES Washington Report Data Base 91  
 Acrofax Inc. 760  
 ACRON 2965

Acronyms and Initialisms in Health Care Administration 99  
 Acronyms; Computer and Telecommunications 818  
 Acronyms; Dictionary of New Information Technology 818  
 Acronyms, Initialisms, and Abbreviations Dictionary 818  
 Acronyms, Initialisms, and Abbreviations Dictionary; International 818  
 Acronyms Related to International Development 3508  
 Across the Board 513  
 ACS (American Chemical Society) 79, 80, 81, 82, 83, 1131, 3917  
 ACS Directory of Graduate Research 79  
 ACSF (Association of French Host Centers) 2850  
 ACSE (Association Canadienne des Sciences de l'Information) 3007  
 ACSPRI (Australian Consortium for Social and Political Research Inc.) 2878  
 ACSPRI Newsletter 2878  
 ACT (Advertised Computer Technologies) 2152  
 ACT Computer Services Ltd. 2804  
 ACT I 2152  
 Act I - Marketron, Inc. 1310  
 Act I Radio Data Base 1310  
 Act I Television Data Base 1310  
 ACT II 2152  
 Action for Libraries 239  
 Action Surveys, Inc. (ASI) 19  
 Actionline (Dwight's Hotline Energy Reports) 712  
 ACTIVATOR 527  
 Activity and Osmotic Coefficients of Aqueous Electrolyte Solution Data Base 2414  
 Activity Coefficients at Infinite Dilution 4071  
 ACTL File 2534  
 Acton Information Resources Management Ltd. 2805  
 ACTS 224  
 Acts of Assembly (Virginia State Division of Legislative Automated Systems) 2680  
 Actualidades 2917  
 Actuarial Data Base (I.P. Sharp Associates) 3875  
 ACU (Association of Computer Users) 183  
 ACUL 3595  
 Acumen 2806  
 Acurex Corporation 20  
 Acurex Corporation Energy and Environment Division Data Base 20  
 Ad Day (NEXIS) 1356  
 Ad Guide 2646  
 Ad Placement Report; Hitap; Hi Tech 319  
 ADABAS (Adaptable Data Base System) 1980  
 AdaData 1152  
 Adam (Helen) & Associates, Inc. 21  
 Adams and Rountree Technology, Inc. (A & RT) 22  
 ADAPSO (Association of Data Processing Service Organizations) 288  
 ADAPSO/Broadview Index 288  
 ADAPT 1453  
 Adapt Inc. 23  
 Adaptable Data Base System (ADABAS) 1980  
 Adaptive Information Management System (ADMIN) 3116  
 Adaptive Library Management System (ADLIB) 3116  
 ADAS & SAC Advisory Publications Index 3166  
 ADB (Anlagendatenbank) 3305  
 ADC (Analytic Decisions Corporation) 147  
 ADCIS (Association for Development of Computer-Based Instructional Systems) 173  
 ADCIS Newsletter 173  
 ADCU (Association of Data Communications Users) 184  
 ADCU Newsletter 184  
 ADCUME 1107  
 ADD (American Doctoral Dissertations) 2518  
 ADDATA 151  
 Adding Screens in Structure Searching 81  
 Addison Public Library 24  
 Additives for Plastics 582  
 ADDR (FIZ Technik) 3979  
 Address Change Service for Second Class Mailers 2472  
 Address Information Systems; Office of - Postal Service 2472  
 Address-to-Coordinate (ATC) (Geographic Data Technology, Inc.) 841  
 Address Verification System Plus (AVS) 1018