

Lockheed

Folder Citation: Collection: Records of the 1976 Campaign Committee to Elect Jimmy Carter;
Series: Noel Sterrett Subject File; Folder: Lockheed; Container 86

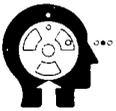
To See Complete Finding Aid:

http://www.jimmycarterlibrary.gov/library/findingaids/Carter-Mondale%20Campaign_1976.pdf



LOCKHEED **DIALOG**™ Data Bases

DATA BASE	F&S Indexes (Funk & Scott)	
SUPPLIER	PREDICASTS, Inc. 200 University Circle Research Center 11001 Cedar Avenue Cleveland, Ohio 44106	F&S Indexes is available online as a commercial service exclusively from Lockheed.
COVERAGE	The online file now contains more than 524,900 citations, dating back to January 1972. Approximately 150,000 records are added annually. The complete file with assigned descriptors is updated monthly.	
SOURCE	<u>The F&S Indexes surveys over 5,000 publications. It includes more than 1,000 leading business, financial, and trade magazines and newspapers, bank letters, reports of Congressional hearings, analytic reports of government agencies and investment advisory services, documents of international agencies, and books.</u>	
SUBJECT MATTER	<p>The F&S Indexes cover both domestic and international company, product, and industry information. It contains information on corporate acquisitions and mergers, new products, technological developments, and sociopolitical factors. It summarizes analyses of companies by securities firms, contains forecasts of company sales and profits by company officers, and reports on factors influencing future sales and earnings (such as price changes, government antitrust actions, sales and licensing agreements, and joint venture agreements).</p> <p>F&S also reports on new capacity additions by company, and factors affecting future product demand, end users, and production. Also covered are trends in business and finance, corporate management, and labor relations. General economic factors such as population, wages, consumer spending, business investment, and construction outlays are also included.</p> <p>Information can be retrieved by company, industry (or SIC codes), subject (or SK codes), country and event, and combinations thereof. Every country and industry is covered in detail - agriculture, mining, manufacturing, construction, transportation, utilities, trade, and services, as well as government, business, labor, and finance.</p> <p>F&S records contain accession numbers for access in Chemical and Equipment Market Abstracts, Domestic Statistics, and International Statistics. Records from these files can be displayed without the need for file switching.</p> <p>In addition, the F&S provides online access to a comprehensive bibliography of more than 5,000 publications cited in PREDICASTS publications. A complete abstract display from this bibliography includes title, publisher, and address, annotation terms describing the publication, frequency, and cost, and the PREDICASTS codes for product, country, and event. This portion of the data base is known as the Source Directory.</p>	



LOCKHEED **DIRLOG**™ Data Bases

DATA BASE	EIS Industrial Plants (EIS Plants)	Available online as a commercial service exclusively from Lockheed.
SUPPLIER	PREDICASTS, Inc. 200 University Circle Research Center 11001 Cedar Avenue Cleveland, Ohio 44106	From: Economic Information Systems 9 East 41st Street New York, N.Y. 10017
COVERAGE	The online file now contains approximately 117,000 records, one for each industrial establishment with more than 20 employees. Approximately 15,000 updates are made quarterly. Each update includes additions, deletions, and changes to keep the industrial plant data accurate and current.	
SOURCE	Data are generated from business magazines, trade journals, state and industrial directories, corporate financial reports, and Census Bureau statistics. Also included are thousands of inputs received directly from companies and corporations.	
SUBJECT MATTER	<p>Access to the EIS Plants data base offers immediate answers to a broad range of questions concerning the U.S. industrial economy. The EIS Plants data base includes current information on some 117,000 establishments operated by 67,000 firms with current annual sales of more than \$500,000. This total accounts for more than 90 percent of total U.S. industrial activity.</p> <p>Each record contains the plant name, location, telephone number, principal product (4-digit SIC), annual sales, share of the market, employment level, and parent company information.</p> <p>Information can be retrieved in several ways. User can query the system for the address and telephone number of plants conforming to specified constraints on geographic location, industry, and size. Queries can also be made on the basis of specified firm names to retrieve sales and employment data for any large public or private manufacturing or mining company.</p> <p>EIS Plants also permits the user to frame his questions within the limits of any desired region, state, county, city, U.S. Census Bureau region, zip code, Business Economic Area, Standard Economic Metropolitan Area, and parent company state and city (or combinations thereof). Resultant records may be sorted in order of sales or in shares of the market.</p>	



LOCKHEED **DIALOG**™ Data Bases

DATA BASE	Abstracts of Instructional and Research Materials (AIM/ARM)												
SUPPLIER	The Center for Vocational Education The Ohio State University 1960 Kenny Road Columbus, Ohio 43210												
COVERAGE	With entries beginning in 1971, the data base contains more than 7,000 abstracts.												
SOURCE	AIM/ARM provides subject and author indexes to the abstracts of the following: instructional materials developed by local school districts, state departments of education, curriculum development laboratories, and industrial organizations; research from <u>U.S. Office of Education, Department of Labor, Office of Economic Opportunity, private foundations, and other organizations.</u>												
SUBJECT MATTER	<p>AIM/ARM reports on a wide range of topics in vocational and technical education, including such subfields as the following:</p> <table><tr><td>Agricultural education</td><td>Industrial arts education</td></tr><tr><td>Business and office education</td><td>Manpower economics</td></tr><tr><td>Consumer education</td><td>Occupational guidance</td></tr><tr><td>Distributive education</td><td>Occupational rehabilitation</td></tr><tr><td>Health occupations education</td><td>Trade and industrial education</td></tr><tr><td>Home economics education</td><td></td></tr></table> <p>The AIM/ARM thesaurus can also be accessed online.</p>	Agricultural education	Industrial arts education	Business and office education	Manpower economics	Consumer education	Occupational guidance	Distributive education	Occupational rehabilitation	Health occupations education	Trade and industrial education	Home economics education	
Agricultural education	Industrial arts education												
Business and office education	Manpower economics												
Consumer education	Occupational guidance												
Distributive education	Occupational rehabilitation												
Health occupations education	Trade and industrial education												
Home economics education													



LOCKHEED **DIRLOG**™ Data Bases

DATA BASE	PREDICASTS Domestic Statistics	
SUPPLIER	<p>PREDICASTS, Inc. 200 University Circle Research Center 11001 Cedar Avenue Cleveland, Ohio 44106</p>	<p>PREDICASTS Domestic Statistics is available online as a commercial service exclusively from Lockheed.</p>
COVERAGE	<p>Contains more than 140,000 abstracts and citations dating from July 1971. Approximately 20,000 are added annually. Components are updated as follows: PREDICASTS Statistical Abstracts: preliminary (monthly), revised (quarterly), final (annually); PREDICASTS Composites: entire file revised quarterly; PREDICASTS Basebook: entire file revised quarterly; Metrocasts: entire file revised quarterly.</p>	
SOURCE	<p>PREDICASTS, Inc. abstracts all significant information appearing in annual reports of <u>government agencies</u>, <u>statistical reports and reviews of industry</u>, handbooks and yearbooks of trade associations, <u>census reports</u>, <u>statistical bulletins of the U.S. government</u>, and thousands of business magazines and trade journals.</p>	
SUBJECT MATTER	<p><u>PREDICASTS Statistical Abstracts.</u> More than 70,000 abstracts of published <u>forecasts</u> with historical data for U.S.; coverage includes general economics, all industries, detailed products, and end-use data.</p> <p><u>PREDICASTS Composites.</u> Annual historical data (since 1958) and consensus of published forecasts through 1985 for more than 500 key economic, demographic, industrial, and product time series.</p> <p><u>PREDICASTS Basebook.</u> Annual data for more than 20,000 time series (1960-1974) on U.S. production, value of shipments, wages, prices, materials, consumption, foreign trade, and end-use distributions for all different types of industries, products, and services.</p> <p><u>METROCASTS.</u> Historical and projected (to 1990) data on population, income, employment, earnings, and distribution of industrial activity for states, standard business economic areas, and standard metropolitan areas.</p> <p>PREDICASTS Domestic Statistics covers every area of industry and product statistics, government and services statistics, and social and economic statistics for the U.S.</p> <p>Data can be retrieved by product (or SIC codes), geographic area, type of information, source of forecast, year, and growth rate. In 1976 users will be able to input their own data and perform arithmetic and statistical routines to analyze, forecast, and plot time series. In addition, users can tap the PREDICASTS Market Abstract and F&S Indexes for background information.</p>	



LOCKHEED **DIRLOG**™ Data Bases

DATA BASE	PREDICASTS Market Abstracts (Chemical, Process, Electronics and Equipment Fields)																	
SUPPLIER	<p>Predicasts, Inc. 200 University Circle Research Center Cleveland, Ohio 44106</p> <p style="text-align: right;">Predicasts Business Data Bases are commercially available online only from Lockheed.</p>																	
COVERAGE	The online file now contains more than 55,000 abstracts, dating back to February 1972. Approximately 27,000 records are added annually. The complete file with assigned descriptors is updated monthly. Interim weekly updates on the full text of the abstracts are provided between monthly updates.																	
SOURCE	PREDICASTS, Inc. abstracts all significant information appearing in thousands of newspapers, business magazines, government reports, trade journals, bank letters, and special reports throughout the world.																	
SUBJECT MATTER	<p>The PREDICASTS Market Abstracts data base provides the following kind of information:</p> <p><u>Acquisitions End Uses Foreign Trade New Products Regulations</u> <u>Capacities Environment Market Data Production Technology</u></p> <p>This information concerns the following industries:</p> <table style="width: 100%; border: none;"> <tr> <td>Chemical</td> <td>Electronics</td> <td>Food</td> <td>Metals</td> <td>Rubber</td> </tr> <tr> <td>Communications</td> <td>Energy</td> <td>Instruments</td> <td>Paper</td> <td></td> </tr> <tr> <td>Computers</td> <td>Fibers</td> <td>and Equipment</td> <td>Plastics</td> <td></td> </tr> </table> <p>Products and services covered include:</p> <table style="width: 100%; border: none;"> <tr> <td style="vertical-align: top;"> Agriculture, forestry, fisheries Apparel and related products Chemicals and allied products Communications Construction Electric/electronic machinery & equipment Financial services Food and kindred products Furniture Governments Instruments and related products Leather and products Medical and health services Membership organizations Metals and fabricated metal products Mining and extractive industries Ordnance </td> <td style="vertical-align: top;"> Other kinds of manufacturing Paper and allied products Petroleum and energy products Printing and publishing Regional trade and international groups Rubber and allied products Sciences Service industries Stone, clay and glass products Textile mill products Tobacco products Transportation Transport equipment Wholesale and retail trade Wood and wood products </td> </tr> </table>	Chemical	Electronics	Food	Metals	Rubber	Communications	Energy	Instruments	Paper		Computers	Fibers	and Equipment	Plastics		Agriculture, forestry, fisheries Apparel and related products Chemicals and allied products Communications Construction Electric/electronic machinery & equipment Financial services Food and kindred products Furniture Governments Instruments and related products Leather and products Medical and health services Membership organizations Metals and fabricated metal products Mining and extractive industries Ordnance	Other kinds of manufacturing Paper and allied products Petroleum and energy products Printing and publishing Regional trade and international groups Rubber and allied products Sciences Service industries Stone, clay and glass products Textile mill products Tobacco products Transportation Transport equipment Wholesale and retail trade Wood and wood products
Chemical	Electronics	Food	Metals	Rubber														
Communications	Energy	Instruments	Paper															
Computers	Fibers	and Equipment	Plastics															
Agriculture, forestry, fisheries Apparel and related products Chemicals and allied products Communications Construction Electric/electronic machinery & equipment Financial services Food and kindred products Furniture Governments Instruments and related products Leather and products Medical and health services Membership organizations Metals and fabricated metal products Mining and extractive industries Ordnance	Other kinds of manufacturing Paper and allied products Petroleum and energy products Printing and publishing Regional trade and international groups Rubber and allied products Sciences Service industries Stone, clay and glass products Textile mill products Tobacco products Transportation Transport equipment Wholesale and retail trade Wood and wood products																	

Lockheed
INFORMATION
SYSTEMS

200 PARK AVENUE, SUITE 303 EAST
NEW YORK, NEW YORK 10017 • (212) 682-4630

June 21, 1976

Mr. Noel Sterrett
Carter Campaign
P.O.Box 1976
Atlanta, Georgia 30301

Dear Mr. Sterrett:

Thanks for your inquiry regarding our DIALOG Online Information Retrieval service. Through a telephone and terminal in your office you can:

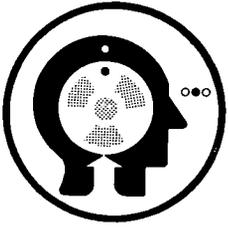
- o Access more than 35 prominent data bases: over 12 million citations/abstracts from the literature of virtually any field.
- o Search by a highly interactive, flexible retrieval system - Lockheed's own DIALOG - offering complete visibility into the indexes and records, with natural language and assigned-index search capability.
- o Use common dial-up terminals now frequently found in offices for a variety of applications. Also, high-speed display terminals.
- o Communicate via: the Tymshare and Telenet networks from over 50 major cities; a high-speed leased line; direct dial, or your tieline.
- o Work on all data bases throughout an extended business day in each time zone, Europe included. Regular Saturday service, too.
- o Obtain assistance through a toll-free service number in the U.S.
- o Operate through convenient, economic business arrangements; billing only on actual usage with no minimum, membership or subscription fees.

Enclosed are materials to help you become familiar with DIALOG, in use by many business, research, university, educational, governmental and professional organizations. You may initiate service by sending the enclosed Order Form. Please contact me should you desire further information.

Sincerely,

R. Donati

Robert Donati
Senior Eastern Representative



LOCKHEED/DIALOGtm ANNOUNCES ONLINE AVAILABILITY OF THE
FOUNDATION DIRECTORY AND THE FOUNDATION GRANTS INDEX

NAME:	FOUNDATION DIRECTORY (DIALOG File 26)	FOUNDATION GRANTS INDEX (DIALOG File 27)
TIME SPAN:	Current file	January 1973 to present
FILE SIZE:	Describes 2500 foundations	Contains 27,000 grants records
UPDATES:	File replaced semi-annually	Bimonthly additions
PRICE:	Searching is \$60 per hour for computer connect time and \$.30 for each complete citation printed offline	
ORIGIN:	Both data bases are produced by the Foundation Center of New York City, an independent, nonprofit organization which disseminates factual information on philanthropic foundations	
SCOPE:	Each foundation conforms to the general description of a "nongovernmental, nonprofit organization, with funds and programs managed by its own trustees or directors, and established to maintain or aid social, educational, charitable, religious, or other activities serving the common welfare, primarily through the making of grants." Data is supplied directly by foundations to the Foundation Center and is also obtained from annual reports, newsletters, news releases, financial statements, and other foundation publications.	

Using the DIALOG system, it is possible to search the Foundation Directory for information on the 2500 largest foundations, including location, structure, personnel, financial data, purpose, and activities. The Foundation Grants Index lists grants records of more than 400 American foundations. DIALOG searchers can obtain information such as name and location of foundation and recipient; size, date, and number of grants; description and limitations of grants. In both data bases, DIALOG's full-text indexing allows a natural language approach to subject and name searching.

For further information contact:

Lockheed Information Systems
3251 Hanover St. (15-50/201)
Palo Alto, CA 94304
(415) 493-4411 ext.45635

The Foundation Center
888 Seventh Avenue
New York, NY 10019
(212) 489-8610



DIALOG INFORMATION RETRIEVAL SERVICE ANNOUNCES

TWO NEW CHEMICAL DATA BASES

- CASIA (CA Subject Index Alert) contains general subject index headings and CAS Registry Numbers for documents covered by CA CONDENSATES from 1973 to present.
- CHEMNAME (CA Chemical Name Dictionary) contains all CAS Registry Numbers, CA Index Names, molecular formulas and synonyms for chemical substances covered by CASIA.

Coinciding with the American Chemical Society's Centennial meeting, Lockheed Information Systems is pleased to announce the addition of two new chemical data bases to the DIALOG Information Retrieval Service. The two new data bases are CASIA, derived from the CA Subject Index Alert, and CHEMNAME, a CA chemical name dictionary.

By providing expanded subject as well as substance searching, these new data bases provide the chemical researcher capabilities previously not available through any online system. Used in conjunction with the CA CONDENSATES data base available through DIALOG, CASIA and CHEMNAME provide an integrated online chemical information retrieval system.

Entry into CHEMNAME of any of several chemical substance terms (e.g., CAS Registry Numbers, molecular formulas, CA substance index names, or chemical name synonyms) allows the researcher to identify chemical substances and associated CAS Registry Numbers, which in turn can be used with CASIA to identify associated chemical literature. The ability to search with CAS Registry Numbers from all fields of chemistry will save the researcher many hours over manual access.

Subject searching is enhanced through the ability to use CA General Subject Headings to access the literature via CASIA. The CASIA file parallels the CA Condensates file, thereby allowing easy switching and display from either file as the result of a search in one.

The diagram on the back illustrates the power and interrelationship of these files.

For further information write:

Lockheed Information Systems, Code 5020/201
3251 Hanover Street, Palo Alto, CA 94304

or call

800/227-1960 (Toll Free for Continental U.S. except California).
In California, call 415/493-4411 X 45635.

DIALOG® Chemical Information System

SEARCHER
KEYS IN:

DIALOG
RETRIEVES:

ADDITIONAL ACCESS
FACILITY PROVIDED:

SUBSTANCE SEARCH

Molecular Formulas

CA Substance Index Names

Chemical Name Synonyms

CHEMNAME Sample Record
CAS REGISTRY NUMBER:
50000
FORMULA:
CH2O
CA NAME(1):
Formaldehyde
SYNONYMS:
Formol; Formalin;
Methanal

CA General Subject Headings

CASIA Sample Record
CA08318151845U P
DESCRIPTORS:
Waste water
IDENTIFIERS:
treatment removal
petroleum processing
effluent
CAS REGISTRY NUMBERS:
50000 108952 57125

CAS Registry Numbers

SUBJECT SEARCH

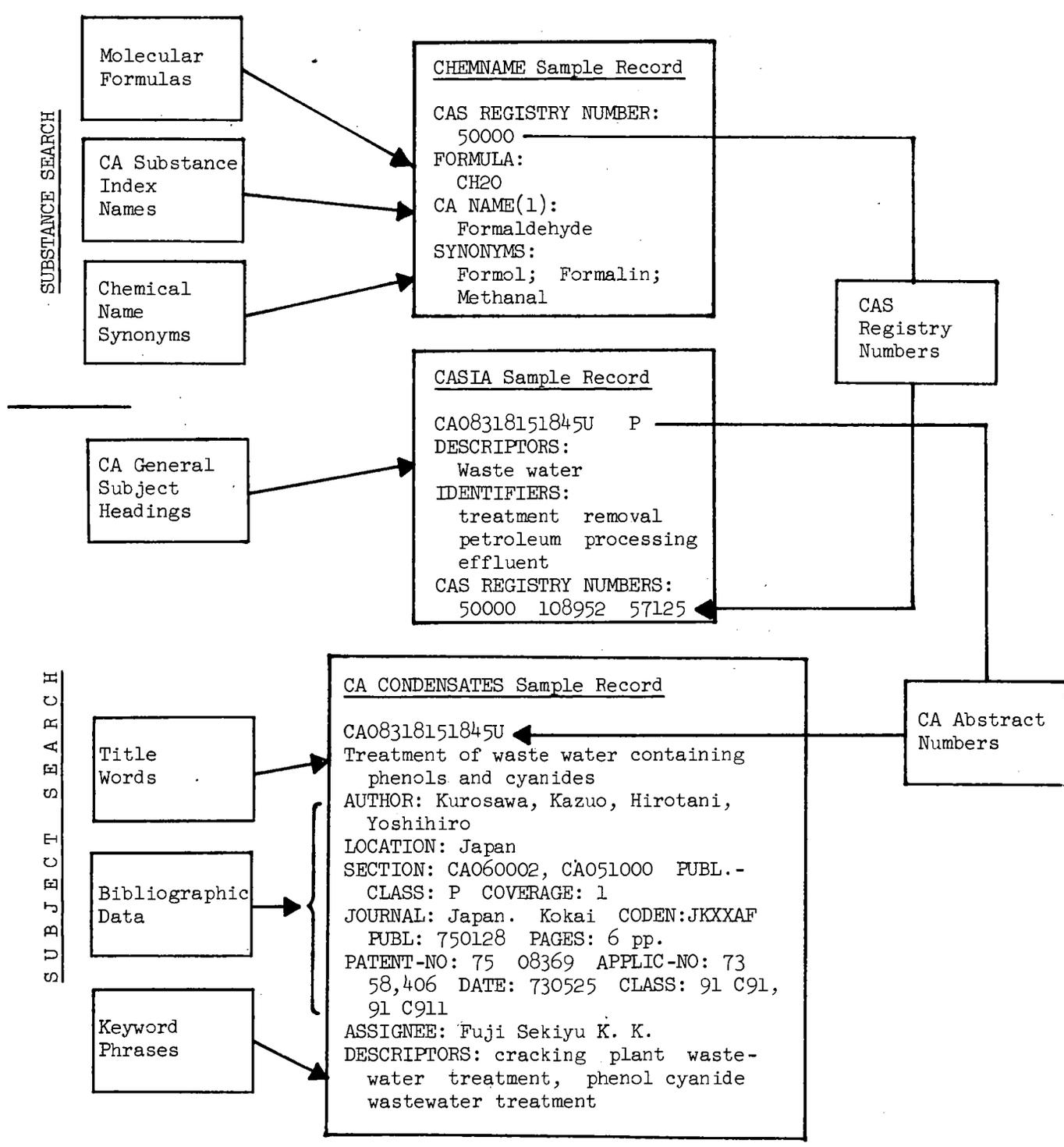
Title Words

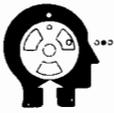
Bibliographic Data

Keyword Phrases

CA CONDENSATES Sample Record
CA08318151845U
Treatment of waste water containing phenols and cyanides
AUTHOR: Kurosawa, Kazuo, Hirotsani, Yoshihiro
LOCATION: Japan
SECTION: CA060002, CA051000 PUBL.-CLASS: P COVERAGE: 1
JOURNAL: Japan. Kokai CODEN:JKXXAF
PUBL: 750128 PAGES: 6 pp.
PATENT-NO: 75 08369 APPLIC-NO: 73 58,406 DATE: 730525 CLASS: 91 C91, 91 C911
ASSIGNEE: Fuji Sekiyu K. K.
DESCRIPTORS: cracking plant waste-water treatment, phenol cyanide wastewater treatment

CA Abstract Numbers





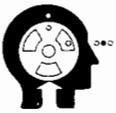
LOCKHEED **DIALOG**™ Data Bases

DATA BASE	<h2>Exceptional Child Education Abstracts</h2>																								
SUPPLIER	Council for Exceptional Children 1920 Association Drive Reston, Virginia 22091																								
COVERAGE	Abstracting for this data base began in 1966; it is updated on a quarterly basis. Present rate of growth is approximately 7,000 additional abstracts each year. Currently, there are more than 16,000 abstracts available for searching.																								
SOURCE	This comprehensive file of abstracts is concerned basically with the literature dealing with education of handicapped and gifted children.																								
SUBJECT MATTER	<p>The following journals in the exceptional children field are representative of the literature regularly abstracted:</p> <table><tbody><tr><td>Academic Therapy Quarterly</td><td>Journal of Speech and Hearing Disorders</td></tr><tr><td>American Annals of the Deaf</td><td>Journal of Speech and Hearing Research</td></tr><tr><td>American Journal of Mental Deficiency</td><td>Mental Retardation</td></tr><tr><td>American Journal of Orthopsychiatry</td><td>New Outlook for the Blind</td></tr><tr><td>Annual Review of Psychology</td><td>Rehabilitation Literature</td></tr><tr><td>Education and Training of the Mentally Retarded</td><td>Sight-Saving Review</td></tr><tr><td>Education of the Visually Handicapped</td><td>Special Education</td></tr><tr><td>Exceptional Children</td><td>Special Education in Canada</td></tr><tr><td>Gifted Child Quarterly</td><td>Teaching Exceptional Children</td></tr><tr><td>Journal of Learning Disabilities</td><td>Training School Bulletin</td></tr><tr><td>Journal of Rehabilitation of the Deaf</td><td>Volta Review</td></tr><tr><td>Journal of Special Education</td><td></td></tr></tbody></table> <p>This data base is a valuable supplement to the ERIC educational data base and represents the complete selections made by the Council for Exceptional Children. About 45 percent of this material is contributed to ERIC by the Council in its role of operating the ERIC clearinghouse in this field. Thus, the user with needs for unusually extensive information on exceptional children will find added coverage in this data base.</p> <p>The thesaurus of index terms used by CEC, which in general can be considered an extension of the ERIC thesaurus in this field, is also available for online browsing and search term selection.</p>	Academic Therapy Quarterly	Journal of Speech and Hearing Disorders	American Annals of the Deaf	Journal of Speech and Hearing Research	American Journal of Mental Deficiency	Mental Retardation	American Journal of Orthopsychiatry	New Outlook for the Blind	Annual Review of Psychology	Rehabilitation Literature	Education and Training of the Mentally Retarded	Sight-Saving Review	Education of the Visually Handicapped	Special Education	Exceptional Children	Special Education in Canada	Gifted Child Quarterly	Teaching Exceptional Children	Journal of Learning Disabilities	Training School Bulletin	Journal of Rehabilitation of the Deaf	Volta Review	Journal of Special Education	
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Journal of Special Education																									



LOCKHEED DIALOG™ Data Bases

DATA BASE	SOCIAL SCISEARCH™ Social Science Citation Index™ (SSCI™)																											
SUPPLIER	The Institute for Scientific Information (ISI®) 325 Chestnut Street Philadelphia, Pa. 19106																											
COVERAGE	The online SSCI base now contains about 200,000 records covering 1972 to date. It is possible that 1970-71 coverage may be loaded in 1975. Over 90,000 new entries are added each year in monthly updates.																											
SOURCE	The SSCI is a multidisciplinary data base indexing every significant item from the 1,000 most important social sciences journals throughout the world and social sciences articles selected from 2,200 additional journals in the natural, physical, and biomedical sciences. The SSCI includes many important monographs as well.																											
SUBJECT MATTER	<p>The SSCI covers every area of the social and behavioral sciences:</p> <table border="0"> <tr> <td>Anthropology</td> <td>Educational research</td> <td>Management</td> </tr> <tr> <td>Archaeology</td> <td>Ethnic group studies</td> <td>Marketing</td> </tr> <tr> <td>Area studies</td> <td>Geography</td> <td>Philosophy</td> </tr> <tr> <td>Business and finance</td> <td>History</td> <td>Political science</td> </tr> <tr> <td>Communication</td> <td>Information/library science</td> <td>Psychology</td> </tr> <tr> <td>Community health</td> <td>International relations</td> <td>Psychiatry</td> </tr> <tr> <td>Criminology and penology</td> <td>Law</td> <td>Sociology</td> </tr> <tr> <td>Demography</td> <td>Linguistics</td> <td>Statistics</td> </tr> <tr> <td>Economics</td> <td></td> <td>Urban planning and development</td> </tr> </table> <p>SOCIAL SCISEARCH offers a unique information retrieval technique. In addition to more conventional retrieval by title words or phrases, source authors, journal names, corporate source, etc., it is also possible to search by way of the author's cited references. The full cited reference typically includes the cited author, cited journal (or monograph or report) as well as the cited journal volume, issue and page number.</p> <p>The concept behind citation searching is that an author in citing a prior work is, in effect, performing subject indexing by relating that work to his own. Many searchers already use the references they find in relevant papers for manual location of additional relevant references. With SOCIAL SCISEARCH, one can use the citations to retrieve current relevant articles. Either known "landmark" papers in a given subject area can be used, or a subject search to find some of the older references may be employed. It is then quite simple to locate more recent papers that have cited the prior work.</p> <p>Upon completion of his search, a DIALOG user soon can specify through the terminal those articles he wishes to purchase through ISI. This feature is offered to customers of ISI's Original Article Tear Sheet Service - OATS®.</p>	Anthropology	Educational research	Management	Archaeology	Ethnic group studies	Marketing	Area studies	Geography	Philosophy	Business and finance	History	Political science	Communication	Information/library science	Psychology	Community health	International relations	Psychiatry	Criminology and penology	Law	Sociology	Demography	Linguistics	Statistics	Economics		Urban planning and development
Anthropology	Educational research	Management																										
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Demography	Linguistics	Statistics																										
Economics		Urban planning and development																										



LOCKHEED **IALOG**™ Data Bases

DATA BASE	Psychological Abstracts																		
SUPPLIER	American Psychological Association 1200 Seventeenth Street, N.W. Washington, D.C. 20036																		
COVERAGE	The items included in the Psychological Abstracts data base span the period from 1967 to the present. It currently contains more than 150,000 abstracts available for searching, with new entries being added at an annual rate of about 25,000. It is updated monthly.																		
SOURCE	The American Psychological Association abstracts material of interest from more than 2000 periodicals, books, reports, etc., published worldwide (more than 30 languages with translations are included). This file is known internationally for its summaries of the world's literature in psychology and related disciplines.																		
SUBJECT MATTER	<p>The following general fields are included in the Psychological Abstracts data base:</p> <table><tbody><tr><td>Applied psychology</td><td>Personality</td></tr><tr><td>Cognitive processes and motivation</td><td>Physical and psychological disorders</td></tr><tr><td>Communication and language</td><td>Professional personnel</td></tr><tr><td>Cultural influences and social issues</td><td>Psychometrics and statistics</td></tr><tr><td>Development psychology</td><td>Psychopharmacology and physiological intervention</td></tr><tr><td>Educational psychology</td><td>Social behavior and interpersonal processes</td></tr><tr><td>Infrahuman psychology</td><td>Treatment and prevention</td></tr><tr><td>Neurology and physiology</td><td></td></tr><tr><td>Perceptual and motor performance</td><td></td></tr></tbody></table> <p>In general, Psychological Abstracts is concerned with all behavioral issues concerning humans or animals. Coverage is not limited to individuals, but also includes such topics as the dynamics of groups and organizations, personnel practices, human factors and engineering.</p> <p>To facilitate retrieval of novel items, every word of the abstract, title, index terms, and corporate source is indexed for search purposes. All the other fields (author, language, journal) can also be used for retrieval. The thesaurus of psychological terms is also available online for browsing and selection of search terms.</p>	Applied psychology	Personality	Cognitive processes and motivation	Physical and psychological disorders	Communication and language	Professional personnel	Cultural influences and social issues	Psychometrics and statistics	Development psychology	Psychopharmacology and physiological intervention	Educational psychology	Social behavior and interpersonal processes	Infrahuman psychology	Treatment and prevention	Neurology and physiology		Perceptual and motor performance	
Applied psychology	Personality																		
Cognitive processes and motivation	Physical and psychological disorders																		
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Cultural influences and social issues	Psychometrics and statistics																		
Development psychology	Psychopharmacology and physiological intervention																		
Educational psychology	Social behavior and interpersonal processes																		
Infrahuman psychology	Treatment and prevention																		
Neurology and physiology																			
Perceptual and motor performance																			



LOCKHEED **DIALOG**™ Data Bases

DATA BASE	Educational Resources Information Center (ERIC)																		
SUPPLIER	National Institute of Education Educational Resources Information Center Washington, D.C. 20208																		
COVERAGE	Entries in the ERIC data base cover the period from 1966 to the present time. Presently it has available more than 200,000 abstracts and citations. It is now updated monthly with roughly 35,000 entries added annually.																		
SOURCE	ERIC is the complete data base on educational materials from the Educational Resources Information Center. It consists of two main files: Research in Education, which is concerned with identifying the most significant and timely education research reports and projects; and Current Index to Journals in Education, an index of more than 350 publications of interest to every segment of the educational profession.																		
SUBJECT MATTER	<p>The ERIC data base includes an enormous variety of educational information in the following general areas:</p> <table border="0"> <tr> <td>Career education</td> <td>Languages and linguistics</td> </tr> <tr> <td>Counseling and personnel services</td> <td>Reading and communication skills</td> </tr> <tr> <td>Disadvantaged</td> <td>Rural education and small schools</td> </tr> <tr> <td>Early childhood education</td> <td>Science, mathematics, and environmental education</td> </tr> <tr> <td>Educational management</td> <td>Social studies/social science education</td> </tr> <tr> <td>Exceptional children</td> <td>Teacher education</td> </tr> <tr> <td>Higher education</td> <td>Tests, measurement, and evaluation</td> </tr> <tr> <td>Information resources</td> <td></td> </tr> <tr> <td>Junior colleges</td> <td></td> </tr> </table> <p>ERIC indexes a wealth of document types: research reports, evaluation studies, curriculum guides, lesson plans, bibliographies, course descriptions, theses, journal articles, pamphlets and other "fugitive" materials. Most of the items, aside from journal articles, can be purchased from the ERIC Document Reproduction Service in paper copy or microfiche.</p> <p>There are approximately 550 locations throughout the country having complete collections of the ERIC microfiche, and most are open to the general public.</p> <p>While covering all the usual school subjects and educational topics, ERIC is especially useful for looking up innovative practices and trends, such as alternative education, and open enrollment.</p> <p>Many topics of interest to educator and non-educator alike include particularly extensive coverage of library and information science, budgeting and administrative practices, and the utilization of technology by lay users.</p> <p>The thesaurus of ERIC descriptors is online, available as a guide for search term selection.</p>	Career education	Languages and linguistics	Counseling and personnel services	Reading and communication skills	Disadvantaged	Rural education and small schools	Early childhood education	Science, mathematics, and environmental education	Educational management	Social studies/social science education	Exceptional children	Teacher education	Higher education	Tests, measurement, and evaluation	Information resources		Junior colleges	
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Exceptional children	Teacher education																		
Higher education	Tests, measurement, and evaluation																		
Information resources																			
Junior colleges																			



LOCKHEED **DIALOG**™ Data Bases

DATA BASE	<h2>PREDICASTS International Statistics</h2>	
SUPPLIER	<p>PREDICASTS, Inc. 200 University Circle Research Center 11001 Cedar Avenue Cleveland, Ohio 44106</p>	<p>PREDICASTS International Statistics is available online as a commercial service exclusively from Lockheed.</p>
COVERAGE	<p>The Worldcasts Statistical Abstracts contain more than 100,000 records from 1972 to date. Annual increment is 24,000. File updates: preliminary (monthly), revised (quarterly), final (annually). The Worldcasts Composites has 2500 records since 1960 (revised quarterly). The Worldcasts Basebook contains annual data for 20,000 time series from 1960 to 1974. The file is revised annually.</p>	
SOURCE	<p>PREDICASTS, Inc. abstracts information from more than 1,000 international sources. Included are annual reports of foreign governments, statistical reports of industries and trade associations of foreign countries, publications of United Nations and other international agencies, bank letters, newspapers, and business and trade journals.</p>	
SUBJECT MATTER	<p><u>Worldcasts Statistical Abstracts.</u> Abstracts of published forecasts with <u>historical data</u> for all countries of the world (excluding the United States). Coverage includes general economics, all industries, detailed products, and end-use data.</p> <p><u>Worldcasts Composites.</u> Annual historical data, SIC codes, and consensus of published forecasts through 1985 for 2,500 economic, demographic, industrial, and product series for key countries.</p> <p><u>Worldcasts Basebook.</u> Annual data for 20,000 time series (1960-1974) for all countries of the world on production, consumption, price, foreign trade, and usage statistics for agriculture, mining, manufacturing, and services as well as demography and national income.</p> <p>Each abstract contains subject description, base period data, short- and long-range forecasts, and a key to indicate extent of article and source. Information is included on capacities, production, shipments, and sales distribution.</p> <p>Each Composite time series contains forecasts for 1975, 1980, and 1985, in addition to historical data. Population, steel ingot production, fiber consumption, motor vehicle registrations, and electric power production are some of the subjects covered. Presentation is compact and each country summary contains all significant series, while each product summary contains data for all major countries.</p> <p>This is an essential data base for market development, sales analysis, operations research, information retrieval, executive decisions, economic forecasting, long-range planning, diversification study, security analysis, and market research.</p>	



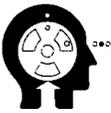
LOCKHEED **DIALOG**™ Data Bases

DATA BASE	Abstracted Business Information (ABI/INFORM) (Management and Administrative Fields)															
SUPPLIER	ABI, Inc. 620 South 5th St. Louisville, Kentucky 40202															
COVERAGE	The online file now contains approximately 25,000 abstracts and citations dating back to 1971. Approximately 10,000 entries are added annually, with monthly updates.															
SOURCE	ABI, Inc. abstracts significant articles of interest to management and administration from approximately 300 publications in the business and related fields. Representative of these publications are Harvard Business Review, Duns Review, Sloan Management Review, Fortune, Wall Street Reports, Journal of Marketing Research.															
SUBJECT MATTER	<p>The ABI/INFORM data base covers an extremely wide field of subjects, representative of which are the following:</p> <table><tr><td>Accounting</td><td>Finance</td><td>Personnel</td></tr><tr><td>Banking</td><td>General management</td><td>Public administration</td></tr><tr><td>Business law</td><td>Insurance</td><td>Real estate</td></tr><tr><td>Data processing</td><td>Management</td><td>Statistics</td></tr><tr><td>Economics</td><td>Marketing</td><td></td></tr></table> <p>ABI/INFORM is the only data base keyed especially to the crucial functional areas of management and administration; it covers topics of vital interest to any organization.</p> <p>Here are examples of the types of questions which can be researched:</p> <ul style="list-style-type: none">● Should we go to a 4-day or flextime workweek?● What's available on alcoholism and possible solutions?● What are latest alternatives in executive compensation programs?● How can we organize our internal auditing department?● Should we use an EDP service or do the work internally?● What are corporate real estate tax advantages?● How might our affirmative action program be improved?	Accounting	Finance	Personnel	Banking	General management	Public administration	Business law	Insurance	Real estate	Data processing	Management	Statistics	Economics	Marketing	
Accounting	Finance	Personnel														
Banking	General management	Public administration														
Business law	Insurance	Real estate														
Data processing	Management	Statistics														
Economics	Marketing															



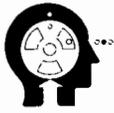
LOCKHEED **DIRLOG**™ Data Bases

DATA BASE	Biosis Previews (Biological Abstracts and Bioresearch Index)																												
SUPPLIER	BioSciences Information Service of Biological Abstracts 2100 Arch Street Philadelphia, Pa. 19103 Biosis Previews is available online as a commercial service in the U.S. exclusively from Lockheed.																												
COVERAGE	More than 910,000 citations announced since January 1972 are online. The data base is updated monthly. Approximately 240,000 new items are added each year.																												
SOURCE	Biosis Previews contains the citations published in both Biological Abstracts and Bioresearch Index, providing access in one file to scientific and trade journals, conference proceedings, symposia, meetings and congresses, books and book reviews, technical and annual reports, published theses, bibliographies and guides, correspondence, notes, and letters, and selected government reports. Approximately 7,600 journals from some 100 countries are scanned.																												
SUBJECT MATTER	<p>This massive data base embraces the entire field of the life sciences, including, but not limited, to the following:</p> <table><tr><td>Aerospace Biology</td><td>Microbiology</td></tr><tr><td>Agriculture</td><td>Nutrition</td></tr><tr><td>Anatomy</td><td>Parasitology</td></tr><tr><td>Bacteriology</td><td>Pathology</td></tr><tr><td>Behavioral Sciences</td><td>Pharmacology</td></tr><tr><td>Biochemistry</td><td>Physiology</td></tr><tr><td>Bioengineering</td><td>Public Health</td></tr><tr><td>Biophysics</td><td>Radiation Biology</td></tr><tr><td>Botany</td><td>Systematic Biology</td></tr><tr><td>Cell Biology</td><td>Toxicology</td></tr><tr><td>Environmental Biology</td><td>Veterinary Science</td></tr><tr><td>Experimental Medicine</td><td>Virology</td></tr><tr><td>Genetics</td><td>Zoology</td></tr><tr><td>Immunology</td><td></td></tr></table> <p>To facilitate retrieval, all meaningful words from titles and all assigned descriptors are indexed. Concept code, concept name, biosystematic code, and biosystematic name can also be used for retrieval. Author, CODEN, and journal names are other search options.</p>	Aerospace Biology	Microbiology	Agriculture	Nutrition	Anatomy	Parasitology	Bacteriology	Pathology	Behavioral Sciences	Pharmacology	Biochemistry	Physiology	Bioengineering	Public Health	Biophysics	Radiation Biology	Botany	Systematic Biology	Cell Biology	Toxicology	Environmental Biology	Veterinary Science	Experimental Medicine	Virology	Genetics	Zoology	Immunology	
Aerospace Biology	Microbiology																												
Agriculture	Nutrition																												
Anatomy	Parasitology																												
Bacteriology	Pathology																												
Behavioral Sciences	Pharmacology																												
Biochemistry	Physiology																												
Bioengineering	Public Health																												
Biophysics	Radiation Biology																												
Botany	Systematic Biology																												
Cell Biology	Toxicology																												
Environmental Biology	Veterinary Science																												
Experimental Medicine	Virology																												
Genetics	Zoology																												
Immunology																													



LOCKHEED **DIALOG**™ Data Bases

DATA BASE	Information Service in Mechanical Engineering (ISMEC)					
SUPPLIER	<p>The Institute of Electrical and Electronic Engineers, Inc. 445 Hoes Lane Piscataway, N.J. 08854</p>		<p>ISMEC is available online as a commercial service exclusively from Lockheed.</p>			
COVERAGE	<p>There are more than 34,000 abstracts in this data base dating from 1973 to the present. Approximately 15,000 abstracts are added annually. The file is updated quarterly.</p>					
SOURCE	<p>ISMEC abstracts significant articles of interest in mechanical engineering from approximately 250 journals published throughout the world. These journals are further supplemented by relevant material from more than 2,000 periodicals in physics and engineering received by INSPEC. In addition, books, reports, and conference proceedings are also abstracted.</p>					
SUBJECT MATTER	<p>The principal subject areas are indicated by the hierarchical classification scheme developed by ISMEC. A representative, but not exhaustive, listing of the sections comprising each division is given below:</p> <table style="width: 100%; border: none;"> <tr> <td style="vertical-align: top; width: 33%;"> <p><u>Management and Production</u> Management Studies Production</p> <p><u>Measurement and Control</u> Measurement Science Measurement and Control of Specific Variables Measurement and Control Equipment Fluidic Devices and Systems</p> <p><u>Mechanics, Materials, and Devices</u> Analytical Mechanics Mechanical Properties and Effects Physical and Chemical Properties and Effects Materials Testing Fluid Mechanics Tribology Mechanical Components Acoustic Devices and Equipment</p> </td> <td style="vertical-align: top; width: 33%;"> <p><u>Production Processes, Tools, and Equipment</u> Hardening Forming Processes and Equipment Machining and Machine Tools Joining Processes and Equipment Finishing Processes and Equipment Hand Tools</p> <p><u>Energy and Power</u> Thermodynamics Heating, Cooling, and Ventilating Fuel Technology Engines Power Transmission Equipment and Systems</p> <p><u>Transport and Handling</u> Motor Vehicle Engineering Motorless Vehicle Engineering Railway Engineering Marine Engineering</p> </td> <td style="vertical-align: top; width: 33%;"> <p>Aerospace Engineering Mechanical Handling</p> <p><u>Mechanical Engineering and Natural Resources</u> Agricultural Engineering Mining Oil and Natural Gas Ecology</p> <p><u>Mechanical Engineering in Sciences and Industry</u> Nuclear Engineering Electrical Engineering Electronic Engineering Civil Engineering Optical Engineering Medical Engineering Industrial Process Engineering</p> <p><u>Clear Applications of Mechanical Engineering</u> Military Engineering Business Equipment Domestic Equipment</p> </td> </tr> </table>			<p><u>Management and Production</u> Management Studies Production</p> <p><u>Measurement and Control</u> Measurement Science Measurement and Control of Specific Variables Measurement and Control Equipment Fluidic Devices and Systems</p> <p><u>Mechanics, Materials, and Devices</u> Analytical Mechanics Mechanical Properties and Effects Physical and Chemical Properties and Effects Materials Testing Fluid Mechanics Tribology Mechanical Components Acoustic Devices and Equipment</p>	<p><u>Production Processes, Tools, and Equipment</u> Hardening Forming Processes and Equipment Machining and Machine Tools Joining Processes and Equipment Finishing Processes and Equipment Hand Tools</p> <p><u>Energy and Power</u> Thermodynamics Heating, Cooling, and Ventilating Fuel Technology Engines Power Transmission Equipment and Systems</p> <p><u>Transport and Handling</u> Motor Vehicle Engineering Motorless Vehicle Engineering Railway Engineering Marine Engineering</p>	<p>Aerospace Engineering Mechanical Handling</p> <p><u>Mechanical Engineering and Natural Resources</u> Agricultural Engineering Mining Oil and Natural Gas Ecology</p> <p><u>Mechanical Engineering in Sciences and Industry</u> Nuclear Engineering Electrical Engineering Electronic Engineering Civil Engineering Optical Engineering Medical Engineering Industrial Process Engineering</p> <p><u>Clear Applications of Mechanical Engineering</u> Military Engineering Business Equipment Domestic Equipment</p>
<p><u>Management and Production</u> Management Studies Production</p> <p><u>Measurement and Control</u> Measurement Science Measurement and Control of Specific Variables Measurement and Control Equipment Fluidic Devices and Systems</p> <p><u>Mechanics, Materials, and Devices</u> Analytical Mechanics Mechanical Properties and Effects Physical and Chemical Properties and Effects Materials Testing Fluid Mechanics Tribology Mechanical Components Acoustic Devices and Equipment</p>	<p><u>Production Processes, Tools, and Equipment</u> Hardening Forming Processes and Equipment Machining and Machine Tools Joining Processes and Equipment Finishing Processes and Equipment Hand Tools</p> <p><u>Energy and Power</u> Thermodynamics Heating, Cooling, and Ventilating Fuel Technology Engines Power Transmission Equipment and Systems</p> <p><u>Transport and Handling</u> Motor Vehicle Engineering Motorless Vehicle Engineering Railway Engineering Marine Engineering</p>	<p>Aerospace Engineering Mechanical Handling</p> <p><u>Mechanical Engineering and Natural Resources</u> Agricultural Engineering Mining Oil and Natural Gas Ecology</p> <p><u>Mechanical Engineering in Sciences and Industry</u> Nuclear Engineering Electrical Engineering Electronic Engineering Civil Engineering Optical Engineering Medical Engineering Industrial Process Engineering</p> <p><u>Clear Applications of Mechanical Engineering</u> Military Engineering Business Equipment Domestic Equipment</p>				



LOCKHEED DIALOG™ Data Bases

DATA BASE	National Agricultural Library/CAIN (NAL/CAIN) (Covers All Aspects of the Agriculture Field)																										
SUPPLIER	National Agricultural Library Beltsville, Maryland 20705																										
COVERAGE	CAIN spans from 1970 to the present with monthly updates, and averages over 120,000 additional citations annually. There are currently more than 600,000 citations available for searching.																										
SOURCE	CAIN is the National Agricultural Library's Cataloging and Indexing data base. This massive file provides comprehensive coverage of worldwide journal and monographic literature on agriculture and related subjects.																										
SUBJECT MATTER	<p>The NAL/CAIN data base provides information in the following areas:</p> <table><tr><td>Agricultural economics and administration</td><td>Life sciences</td></tr><tr><td>Agricultural engineering</td><td>Natural resources (general)</td></tr><tr><td>Agricultural products</td><td>Natural resources management</td></tr><tr><td>Animal science and industry</td><td>Plant science (plant diseases, insect pests and their control)</td></tr><tr><td>Consumer protection</td><td>Physical sciences and mathematics</td></tr><tr><td>Chemistry and technology</td><td>Rural sociology and social sciences and humanities</td></tr><tr><td>Environmental pollution</td><td>Soils and fertilizers</td></tr><tr><td>Entomology</td><td>Veterinary medicine</td></tr><tr><td>Food and human nutrition</td><td></td></tr><tr><td>Forestry</td><td></td></tr><tr><td>General agriculture</td><td></td></tr><tr><td>Home economics</td><td></td></tr><tr><td>Information science</td><td></td></tr></table> <p>Since NAL/CAIN represents the actual holdings of the National Agricultural Library, there is substantial coverage of all subject matter normally contained in a very large library. In addition to the topics listed above, NAL/CAIN covers collateral or related items, such as land use, family migrations, labor, political movements, and many others. The impact of chemicals on all living organisms, from the microscopic to the macroscopic is another example. Also, the data base contains many topics of general interest including management practices and procedures, technological applications, and general economics, among others.</p> <p>Most of the current publications of the Department of Agriculture, the State Experimental Stations, and the State Agricultural Extension Services may be obtained free of charge by applying directly to the using agency. However, users may send requests to NAL for material not readily available from other sources, using the call number and citation obtained from the DIALOG search.</p>	Agricultural economics and administration	Life sciences	Agricultural engineering	Natural resources (general)	Agricultural products	Natural resources management	Animal science and industry	Plant science (plant diseases, insect pests and their control)	Consumer protection	Physical sciences and mathematics	Chemistry and technology	Rural sociology and social sciences and humanities	Environmental pollution	Soils and fertilizers	Entomology	Veterinary medicine	Food and human nutrition		Forestry		General agriculture		Home economics		Information science	
Agricultural economics and administration	Life sciences																										
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Home economics																											
Information science																											



LOCKHEED **DIALOG**™ Data Bases

DATA BASE	COMPENDEX (Computerized Engineering Index)																																												
SUPPLIER	Engineering Index, Inc. 345 East 47th Street New York, N.Y. 10017																																												
COVERAGE	This data base is growing at the rate of 84,000 citations and abstracts annually and is updated monthly. The current online data base contains more than 250,000 items dating from January 1972 to the present.																																												
SOURCE	COMPENDEX provides coverage of the important contents of some 3,500 journals, publications of engineering societies and organizations; papers from the proceedings of conferences, as well as selected government reports and books, published worldwide.																																												
SUBJECT MATTER	<p>COMPENDEX provides the engineering and information communities with citations and abstracts to the world's significant literature in engineering and technological applications. Principal subject headings are as follows:</p> <table><tr><td><u>Civil, Environmental, Geological, Biological Engineering</u></td><td><u>Mining, Metals, Fuel Engineering</u></td></tr><tr><td>Civil engineering</td><td>Mining engineering</td></tr><tr><td>Construction materials</td><td>Petroleum engineering</td></tr><tr><td>Materials properties and testing</td><td>Fuel engineering</td></tr><tr><td>Transportation</td><td>Metallurgical engineering</td></tr><tr><td>Water and waterworks engineering</td><td><u>Mechanical, Automotive, Nuclear, Aerospace Engineering</u></td></tr><tr><td>Pollution, sanitary engineering, wastes</td><td>Mechanical engineering</td></tr><tr><td>Biotechnology and medical applications</td><td>Plant and power</td></tr><tr><td>Engineering geology</td><td>Nuclear technology</td></tr><tr><td><u>Electrical, Electronics, Control Engineering</u></td><td>Fluid flow, hydraulics, pneumatics, vacuum</td></tr><tr><td>Electrical engineering</td><td>Heat and thermodynamics</td></tr><tr><td>Electronics and communication engineering</td><td>Aerospace engineering</td></tr><tr><td>Computers and data processing</td><td>Automotive engineering</td></tr><tr><td>Light and optical technology</td><td>Marine engineering</td></tr><tr><td>Sound and acoustical technology</td><td>Railroad engineering</td></tr><tr><td><u>Chemical, Agriculture, Food Engineering</u></td><td>Materials handling</td></tr><tr><td>Chemical engineering</td><td><u>Industrial and Management Applications</u></td></tr><tr><td>Process industries</td><td>Engineering management</td></tr><tr><td>Agriculture engineering and food technology</td><td>Industrial engineering</td></tr><tr><td></td><td>Engineering mathematics</td></tr><tr><td></td><td>Engineering physics</td></tr><tr><td></td><td>Instruments and measurement</td></tr></table>	<u>Civil, Environmental, Geological, Biological Engineering</u>	<u>Mining, Metals, Fuel Engineering</u>	Civil engineering	Mining engineering	Construction materials	Petroleum engineering	Materials properties and testing	Fuel engineering	Transportation	Metallurgical engineering	Water and waterworks engineering	<u>Mechanical, Automotive, Nuclear, Aerospace Engineering</u>	Pollution, sanitary engineering, wastes	Mechanical engineering	Biotechnology and medical applications	Plant and power	Engineering geology	Nuclear technology	<u>Electrical, Electronics, Control Engineering</u>	Fluid flow, hydraulics, pneumatics, vacuum	Electrical engineering	Heat and thermodynamics	Electronics and communication engineering	Aerospace engineering	Computers and data processing	Automotive engineering	Light and optical technology	Marine engineering	Sound and acoustical technology	Railroad engineering	<u>Chemical, Agriculture, Food Engineering</u>	Materials handling	Chemical engineering	<u>Industrial and Management Applications</u>	Process industries	Engineering management	Agriculture engineering and food technology	Industrial engineering		Engineering mathematics		Engineering physics		Instruments and measurement
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Agriculture engineering and food technology	Industrial engineering																																												
	Engineering mathematics																																												
	Engineering physics																																												
	Instruments and measurement																																												



LOCKHEED **DIALOG**™ Data Bases

DATA BASE	Chemical Abstracts Condensates (CA Condensates)						
SUPPLIER	Chemical Abstracts Service Division The American Chemical Society The Ohio State University Columbus, Ohio 43210						
COVERAGE	More than 900,000 citations announced since January 1972 are online. The data base is updated monthly; about 360,000 items are added each year						
SOURCE	CA Condensates is an index to world literature covering chemistry, chemical engineering, and chemistry aspects of the life sciences. Items covered are books, conference proceedings, dissertations, journal articles, patents, and research reports. Provided are titles, names and affiliations of authors and patent assignees, bibliographic citations, and assigned key words as drawn from the full records of the corresponding issue of <u>Chemical Abstracts</u> .						
SUBJECT MATTER	<p>CA Condensates segments the literature of chemistry and its applications into four principal divisions. A representative, but not exhaustive, listing of the sections comprising each division is given below:</p> <table><tr><td><u>Applied Chemistry and Chemical Engineering</u> Air pollution, industrial hygiene Analytical chemistry Ceramics, cement Crystals Electric and magnetic phenomena Equipment and apparatus Fluid flows, transport, storage Heat and mass transfer Inorganic chemistry Metallurgy, metals, alloys Minerology Petroleum, coal and derivatives/products Pharmaceuticals, oils, cosmetics Plant design Propellants and explosives Radiation and nuclear phenomena Testing and quality control Water, wastes, sewage</td><td><u>Biochemistry</u> Agrochemicals, fertilizers, soils Enzymes Foods Immunochemistry Microbial, plant, and animal biochemistry Pharmacology and toxicology</td></tr><tr><td></td><td><u>Macromolecular Chemistry</u> Dyes, inks, and coatings Elastomers and rubber Paper and wood products Polymers and plastics Textiles, leather Waxes, fats, detergents</td></tr><tr><td></td><td><u>Organic Chemistry</u> Amino acids, proteins, carbohydrates Aromatic, aliphatic, alicycle, and heterocyclic compounds General and physical organic chemistry Steroids</td></tr></table> <p>The DIALOG™ user may readily separate a group of retrieved citations into patent and nonpatent literature, English and foreign items. The treatment of patents is quite thorough, allowing searching by patent classification number, country of patent application, patent assignee and patent number as well as the usual keywords.</p>	<u>Applied Chemistry and Chemical Engineering</u> Air pollution, industrial hygiene Analytical chemistry Ceramics, cement Crystals Electric and magnetic phenomena Equipment and apparatus Fluid flows, transport, storage Heat and mass transfer Inorganic chemistry Metallurgy, metals, alloys Minerology Petroleum, coal and derivatives/products Pharmaceuticals, oils, cosmetics Plant design Propellants and explosives Radiation and nuclear phenomena Testing and quality control Water, wastes, sewage	<u>Biochemistry</u> Agrochemicals, fertilizers, soils Enzymes Foods Immunochemistry Microbial, plant, and animal biochemistry Pharmacology and toxicology		<u>Macromolecular Chemistry</u> Dyes, inks, and coatings Elastomers and rubber Paper and wood products Polymers and plastics Textiles, leather Waxes, fats, detergents		<u>Organic Chemistry</u> Amino acids, proteins, carbohydrates Aromatic, aliphatic, alicycle, and heterocyclic compounds General and physical organic chemistry Steroids
<u>Applied Chemistry and Chemical Engineering</u> Air pollution, industrial hygiene Analytical chemistry Ceramics, cement Crystals Electric and magnetic phenomena Equipment and apparatus Fluid flows, transport, storage Heat and mass transfer Inorganic chemistry Metallurgy, metals, alloys Minerology Petroleum, coal and derivatives/products Pharmaceuticals, oils, cosmetics Plant design Propellants and explosives Radiation and nuclear phenomena Testing and quality control Water, wastes, sewage	<u>Biochemistry</u> Agrochemicals, fertilizers, soils Enzymes Foods Immunochemistry Microbial, plant, and animal biochemistry Pharmacology and toxicology						
	<u>Macromolecular Chemistry</u> Dyes, inks, and coatings Elastomers and rubber Paper and wood products Polymers and plastics Textiles, leather Waxes, fats, detergents						
	<u>Organic Chemistry</u> Amino acids, proteins, carbohydrates Aromatic, aliphatic, alicycle, and heterocyclic compounds General and physical organic chemistry Steroids						



LOCKHEED DIALOG™ Data Bases

DATA BASE	INSPEC Science Abstracts (Physics Abstracts; Electrical and Electronics Abstracts; Computer and Control Abstracts)																		
SUPPLIER	The Institution of Electrical Engineers Savoy Place London WC2R OBL, England INSPEC is available online exclusively from Lockheed.																		
COVERAGE	The three separate data bases which comprise this file now total more than 700,000 abstracts online (Physics, 400,000; Electrical and Electronics, 200,000; and Computers and Control, 100,000). Approximately 150,000 new items are added annually through monthly updates. Each file covers 1969 to present.																		
SOURCE	Journal papers, conference proceedings, technical reports, books, patents, and university theses are abstracted and indexed for inclusion in the INSPEC data base. The total number of journals scanned is approximately 2,000; over 200 of these are abstracted completely.																		
SUBJECT MATTER	<p>The Science Abstracts family of abstract journals, indexes, and title bulletins commenced publication in 1898. Today it forms the largest English-language data base in the fields of physics, electrotechnology, computers, and control. Foreign language source material is also included, but abstracted and indexed in English.</p> <p>The principal subject areas are indicated by the major headings of the unified classification approach developed for all three data bases:</p> <table data-bbox="219 1302 1494 1627"><tr><td>Atomic and molecular physics</td><td>Gases, fluid dynamics, and plasmas</td></tr><tr><td>Computer programming and applications</td><td>General topics</td></tr><tr><td>Computer systems and equipment</td><td>Elementary particle physics</td></tr><tr><td>Condensed matter: electrical, magnetic, and optical properties</td><td>Instruments and measurement</td></tr><tr><td>Condensed matter: structure, thermal, and mechanical properties</td><td>Interdisciplinary subjects</td></tr><tr><td>Control technology</td><td>Information/communication science and engineering</td></tr><tr><td>Electrical and magnetic devices</td><td>Mathematics and mathematical physics</td></tr><tr><td>Electromagnetics, optics, and circuits</td><td>Nuclear physics</td></tr><tr><td></td><td>Power systems and applications</td></tr></table> <p>The INSPEC thesaurus is available online through DIALOG™. The INSPEC data bases provide coverage of patents as well as literature.</p>	Atomic and molecular physics	Gases, fluid dynamics, and plasmas	Computer programming and applications	General topics	Computer systems and equipment	Elementary particle physics	Condensed matter: electrical, magnetic, and optical properties	Instruments and measurement	Condensed matter: structure, thermal, and mechanical properties	Interdisciplinary subjects	Control technology	Information/communication science and engineering	Electrical and magnetic devices	Mathematics and mathematical physics	Electromagnetics, optics, and circuits	Nuclear physics		Power systems and applications
Atomic and molecular physics	Gases, fluid dynamics, and plasmas																		
Computer programming and applications	General topics																		
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Electrical and magnetic devices	Mathematics and mathematical physics																		
Electromagnetics, optics, and circuits	Nuclear physics																		
	Power systems and applications																		



LOCKHEED **DIRLOG**™ Data Bases

DATA BASE	National Technical Information Service (NTIS) (Government Reports Announcements)			
SUPPLIER	National Technical Information Service (NTIS) U.S. Department of Commerce 5285 Port Royal Road Springfield, Virginia 22151	The complete Governments Report Announcements dating back to 1964.		
COVERAGE	The complete machine-processible file dating from January 1964 is online with full narrative abstracts. Now totalling more than 450,000 citations/abstracts, the data base is growing at the rate of approximately 60,000 entries per year and is updated twice monthly.			
SOURCE	The NTIS data base consists of Government-sponsored research, development, and engineering reports plus analyses prepared by Federal agencies, their contractors or grantees. It is the means through which unclassified, publicly available, unlimited distribution reports are made available for sale from such agencies as NASA, DDC, AEC, HEW, HUD, DOT, Department of Commerce, and some 240 other units. State and local government agencies are now beginning to contribute their reports to the file.			
SUBJECT MATTER	<p>The NTIS data base includes material from both the "hard" and "soft" sciences, including substantial material on technological applications, business procedures, and regulatory matters. Many topics of immediate, broad interest are included, such as environmental pollution and control, energy conversion, technology transfer, behavioral/societal problems, urban and regional planning. The principal subject categories of this most comprehensive file are listed below:</p> <table style="width: 100%; border: none;"> <tr> <td style="vertical-align: top; width: 50%;"> Administration Aeronautics and aerodynamics Area planning and development Astronomy and astrophysics Atmospheric sciences Behavioral and social sciences Biological and medical sciences Biomedical technology and engineering Building technology Business, economics, and commerce Chemistry Civil, structural, and marine engineering Communication systems Computers, control theory, and information theory Detection and countermeasures Earth sciences Electrotechnology Energy conversion (nonpropulsive) Environmental pollution and control Industrial and mechanical engineering </td> <td style="vertical-align: top; width: 50%;"> Inventions (government) for licensing Library and information sciences Management research and practice Materials sciences Mathematical sciences Methods, instrumentation, and equipment Military sciences Missile technology Natural resources Navigation, guidance, and control Nuclear science and technology Ocean sciences and engineering Ordnance Physics Propulsion and fuels Reprography and recording devices Safety engineering and protection Space technology Transportation Urban technology, administration, and planning </td> </tr> </table>		Administration Aeronautics and aerodynamics Area planning and development Astronomy and astrophysics Atmospheric sciences Behavioral and social sciences Biological and medical sciences Biomedical technology and engineering Building technology Business, economics, and commerce Chemistry Civil, structural, and marine engineering Communication systems Computers, control theory, and information theory Detection and countermeasures Earth sciences Electrotechnology Energy conversion (nonpropulsive) Environmental pollution and control Industrial and mechanical engineering	Inventions (government) for licensing Library and information sciences Management research and practice Materials sciences Mathematical sciences Methods, instrumentation, and equipment Military sciences Missile technology Natural resources Navigation, guidance, and control Nuclear science and technology Ocean sciences and engineering Ordnance Physics Propulsion and fuels Reprography and recording devices Safety engineering and protection Space technology Transportation Urban technology, administration, and planning
Administration Aeronautics and aerodynamics Area planning and development Astronomy and astrophysics Atmospheric sciences Behavioral and social sciences Biological and medical sciences Biomedical technology and engineering Building technology Business, economics, and commerce Chemistry Civil, structural, and marine engineering Communication systems Computers, control theory, and information theory Detection and countermeasures Earth sciences Electrotechnology Energy conversion (nonpropulsive) Environmental pollution and control Industrial and mechanical engineering	Inventions (government) for licensing Library and information sciences Management research and practice Materials sciences Mathematical sciences Methods, instrumentation, and equipment Military sciences Missile technology Natural resources Navigation, guidance, and control Nuclear science and technology Ocean sciences and engineering Ordnance Physics Propulsion and fuels Reprography and recording devices Safety engineering and protection Space technology Transportation Urban technology, administration, and planning			

DIALOG® INFORMATION RETRIEVAL SERVICE (Cont.)

DATA BASE NAME	SUBJECT AND SOURCE	CONTENT AND CURRENCY				RATES				
		COVERAGE ¹ (ENTRY YEAR TO PRESENT)	NO. OF CITATIONS (4/1/76)	UPDATE FREQ'Y	CITA- TIONS ADDED	CON- NECT TIME	OFFLINE PRINTING ²		OPT'L NETWORK COMMUNIC'NS	
							CITA- TION ONLY	FULL RE- CORD	TELE- NET ³	TYM- SHARE ⁴
TECHNOLOGY/ ENGINEERING										
CLAIMS™/CHEM*	U.S. chemical and chemically-related patents plus some foreign equivalents; from IFI/Plenum Data Company	Jan 1950	392,000	Monthly	2,000	\$150/Hr	\$0.10	\$0.10	\$8/Hr	\$10/Hr
CLAIMS™/GEM*	U.S. general, electrical, and mechanical patents; from IFI/Plenum Data Company	Jan 1975	60,700	Monthly	4,200	90	0.10	0.10	8	10
COMPENDEX	The COMPuterized ENgineering InDEX data base covering engineering literature; from Engineering Index, Inc.	Jan 1970	467,000	Monthly	6,000	65	0.05	0.10	8	10
INSPEC-PHYSICS*	Worldwide coverage of physics including an online thesaurus; from the Institution of Electrical Engineers (IEE)	Jan 1969	463,900	Monthly	7,100	45	0.05	0.10	8	10
INSPEC-ELEC/COMP*	Worldwide coverage of electrical engineering, computer science, and control engineering, with an online thesaurus; from IEE	Jan 1969	348,600	Monthly	5,400	45	0.05	0.10	8	10
ISMEC*	Information Service in MEchanical ENgineering plus engineering management, including an online thesaurus; from Data Courier, Inc.	Jan 1973	42,600	Monthly	1,400	45	0.10	0.10	8	10
METADEX*	Worldwide metallurgical literature, including Metals Abstracts Index and Alloys Index. An online thesaurus is provided; from the American Society for Metals	Jan 1966	260,000	Monthly	2,000	80	0.12	0.12	8	10
METEOROLOGICAL ABSTRACTS (MGA)*	Meteorological and geostrophysical literature from both U.S. and foreign sources; from the American Meteorological Society and the National Oceanic and Atmospheric Administration	Jan 1972	27,000	Monthly	600	50	0.10	0.10	8	10
NTIS	Complete Government Reports Announcements data base covering a broad range of disciplines of over 240 government agencies; from the National Technical Information Service	Jan 1964	509,500	Biweekly	2,300	35	0.05	0.10	8	10
OCEANIC ABSTRACTS® (OA)*	Worldwide coverage of oceanography and marine-related literature; from Oceanic Abstracts and the National Oceanic and Atmospheric Administration	Jan 1964	88,400	Bi-monthly	1,200	55	0.10	0.10	8	10
WORLD ALUMINUM ABSTRACTS (WAA)*	Covers technical literature on aluminum, ranging from ore processing to end use; from the American Society for Metals	Jan 1968	43,000	Monthly	550	50	0.10	0.10	8	10
SOCIAL SCIENCES										
AIM/ARM*	Abstracts of Instructional and Research Materials in vocational and technical education; from the Center for Vocational Education	Sep 1967	25,000	Quarterly	2,000	25	0.05	0.10	8	10
ERIC	Complete data base on research and journals in the field of education, online thesaurus included; from the Educational Resources Information Center	Jan 1966	242,500	Monthly	2,500	25	0.05	0.10	8	10
EXCEPTIONAL CHILD EDUCATION ABSTRACTS (CEC)*	Literature dealing with education of handicapped and gifted children; from the Council for Exceptional Children	Jan 1966	21,250	Quarterly	750	25	0.08	0.08	8	10
LANGUAGE AND LANGUAGE BEHAVIOR ABSTRACTS (LLBA)*	Covers the world literature on speech and language pathology; from Sociological Abstracts, Inc.	Jan 1965	30,000	Quarterly	1,000	55	0.15	0.15	8	10
PSYCHOLOGICAL ABSTRACTS (PA)*	Coverage of the world literature in psychology and other behavioral sciences, including an online thesaurus; from the American Psychological Association	Jan 1967	230,000	Monthly	2,000	50	0.05	0.10	8	10
SOCIAL SCISEARCH®*	Multidisciplinary index covering the world's most important social science journals; from the Institute for Scientific Information	Jan 1972	367,500	Monthly	7,500	70	0.05	0.10	8	10
SOCIOLOGICAL ABSTRACTS (SOCABS)*	In-depth coverage of sociology and related social science areas; from Sociological Abstracts, Inc.	Jan 1963	70,000	Quarterly	2,000	55	0.15	0.15	8	10

(Continued)

DIALOG® INFORMATION RETRIEVAL SERVICE

DATA BASE NAME	SUBJECT AND SOURCE	CONTENT AND CURRENCY					RATES			
		COVERAGE (ENTRY YEAR TO PRESENT)	NO. OF CITATIONS (4/1/76)	UPDATE FREQ'Y	CITA- TIONS ADDED	CON- NECT TIME	OFFLINE PRINTING ²		OPT'L NETWORK COMMUNIC'NS	
							CITA- TION ONLY	FULL RE- CORD	TELE- NET ³	TYM- SHARE ⁴
BUSINESS/ECONOMICS										
ABI/INFORM	Abstracted Business Information covering business, finance, and related fields; from ABI.	Aug 1971	40,000	Monthly	800	\$65/Hr	\$0.05	\$0.10	\$8/Hr	\$10/Hr
CHEMICAL INDUSTRY NOTES (CINS)*	Extracted from business-oriented periodicals dealing with recent events in the chemical industry; from Predicasts, Inc., and CAS	Dec 1973	113,000	Weekly	1,000	90	0.10	0.20	8	10
FOUNDATION DIRECTORY*	Descriptions of over 2,500 foundations with assets exceeding \$1 million; from the Foundation Center	Current	2,500	Semi-annually	Compl. Rptct.	60	0.30	0.30	8	10
FOUNDATION GRANTS INDEX*	Cumulation of grants records of more than 400 U.S. philanthropic foundations; from the Foundation Center	Jan 1973	27,000	Bi-monthly	200	60	0.30	0.30	8	10
PTS DOMESTIC STATISTICS* ⁵	Time series and forecasts on U.S. economics, demographics, finance, and production; from Predicasts, Inc.	Jul 1971	140,000	See Note 6	1,700	90	0.10	0.20	8	10
PTS EIS PLANTS*	Data and classification of 110,000 industrial plants in the continental U.S.; from Predicasts, Inc.	Current	117,000	Quarterly	Compl. Rptct. ⁷	90	-	0.50 ⁸	3	10
PTS F&S INDEXES (FUNK & SCOTT)* ⁵	Concise information and references to articles relevant to all aspects of business and economics; from Predicasts, Inc.	Jan 1972	600,000	Monthly	12,500	90	0.10	0.20	8	10
PTS INTERNATIONAL STATISTICS* ⁵	Time series and forecasts on foreign economics, demographics, finance, and production; from Predicasts, Inc.	Jan 1972	140,000	See Note 9	2,000	90	0.10	0.20	8	10
PTS MARKET ABSTRACTS (CMA & EMA)* ⁵	Worldwide coverage of Chemical Market Abstracts and Equipment Market Abstracts; from Predicasts, Inc.	Feb 1972	100,000	Monthly (With Descriptors)	3,000	90	0.10	0.20	8	10
PTS MARKET ABSTRACTS AND F&S INDEXES WEEKLY* ⁵	Weekly current awareness for PTS Market Abstracts and F&S Indexes; from Predicasts, Inc.	CURRENT MONTHS	15,000	Weekly (Without Descriptors)	2,500	90	0.10	0.20	8	10

⁵ Available on trial basis of up to 6 months; after 6 months, annual access fee or subscription to the equivalent printed publication required.

⁶ Domestic Statistics file contains Predicasts Statistical Abstracts, Predicasts Composites, Predicasts Basebook, and Metrocasts. Updates are as follows: Predicasts Statistical Abstracts: preliminary monthly, revised quarterly, final annually; Predicasts Composites: entire file revised quarterly; Predicasts Basebook: entire file revised annually; Metrocasts: entire file revised quarterly.

⁷ Each file update includes changes in each citation as necessary to keep industrial plant statistics data accurate and current (e.g., change of telephone number, deletion of a plant no longer in business, etc.)

⁸ Printed, typed, or displayed.

⁹ International Statistics file, containing Worldcasts' Forecast Abstracts, Worldcasts' Forecast Composites, and Worldcasts' Basebook. Updates are as follows: Worldcasts' Forecast Abstracts: preliminary monthly, revised quarterly, final annually; Worldcasts' Forecast Composites: entire file revised quarterly; Worldcasts' Basebook: quarterly updates.

May 1976

3

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							CITA- TION ONLY	FULL RE- CORD	TELE- NET ³	TYM- SHARE ⁴
SCIENCE										
BIOSIS PREVIEWS (BIOSIS)*	Worldwide coverage of the life sciences; from BioSciences Information Service	Jan 1972	1,030,000	Monthly	20,000	\$65/Hr	\$0.10	\$0.10	\$8/Hr	\$10/Hr
CA CONDENSATES (CHEMCON)	Bibliographic data and keyword phrases for chemistry and chemical engineering; from Chemical Abstracts Service (CAS)	Jan 1972	1,400,000	Monthly	26,000	45	0.08	0.08	8	10
CA SUBJECT INDEX ALERT (CASIA)	General subject index headings and CAS Registry Numbers for documents covered by CA Condensates; from CAS	Jan 1973	1,000,000	Monthly	26,000	60	0.12	0.12	8	10
CA CHEMICAL NAME DICTIONARY (CHEMNAME)	CAS Registry Numbers, CA Index Names, molecular formulas and synonyms for chemical substances covered by CASIA	-	1,000,000	Monthly	25,000	60	0.12	0.12	8	10
CAIN	CAtaloguing and INdexing data base providing worldwide coverage of agriculture; from the National Agricultural Library	Jan 1970	765,000	Monthly	10,000	25	0.05	0.05	8	10
COMPREHENSIVE DISSERTATION ABSTRACTS*	Doctoral dissertations from accredited universities (predominantly U.S.); from Xerox University Microfilms	1861	530,000	Monthly	3,300	55	0.12	0.12	8	10
SCISEARCH® *	Multidisciplinary index to the literature of science and technology; from the Institute for Scientific Information	Jan 1974	962,000	Monthly	42,000	70	0.10	0.10	8	10

*Available exclusively from DIALOG

¹ Dates represent beginning date of computer-readable data base. Publications (printed materials) often date earlier.

² Charges include postage and handling for U.S. and Canadian users. Other users must bear cost for postage; handling is included. Rates shown are for the two most complete printout formats. Shorter formats are charged at lesser rates.

³ Rate applies to use of TeleNet communications network; TeleNet currently available only within continental U.S. and Canada.

⁴ Rate applies to use of continental U.S. Hawaii, and Canada TYMSHARE communications network; European TYMSHARE charge is \$22/hr.

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(Continued)



insites

January 1976

Published By CACI, Inc.

Number 3

Site II • Site II • Site II • Site II • Site II

Introducing Site II . . .

CACI is proud to announce the birth of the most advanced market analysis tool available anywhere. SITE II represents a new generation of computer software designed to combine ease of use with unsurpassed capability. After several years of successful dialogue and interface with more than 300 users of SITE, the forerunner of SITE II, CACI, recognizing the need for more sophisticated ways to evaluate the demographic characteristics of a market area, has developed this new system.

Features of Site II . . .

■ DEMOGRAPHIC AND HOUSING CHARACTERISTICS

SITE II provides access to the most complete data base of demographic and housing characteristics available today. The core of this data is the 1970 Census of Population and Housing and includes the following information:

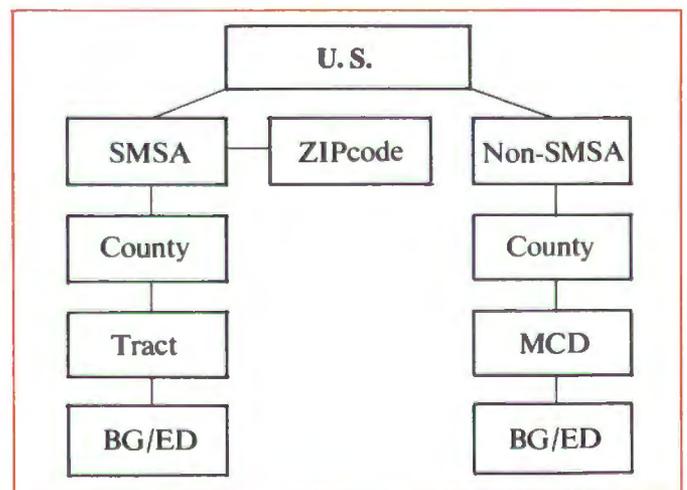
- Total population
- Population by race, age and sex
- Total and median family income
- Home values and rent
- Units in structure, including mobile homes
- Occupation
- Education
- Household and family composition
- Major household appliances

■ 1975 POPULATION AND HOUSEHOLD ESTIMATES

	POPULATION	HOUSEHOLDS
* 1975:	127013	42489
* 1970:	112909	35698
* CHANGE:	14104	6791
* ANNUAL GROWTH		2.4%

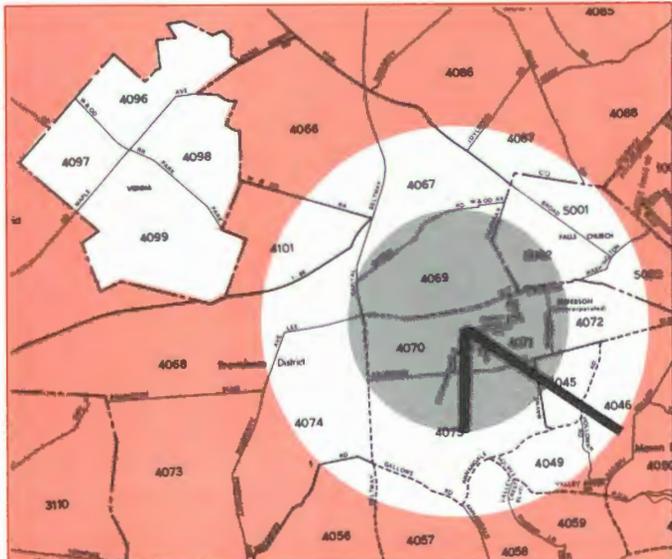
■ MULTIPLE LEVELS OF GEOGRAPHY—INCLUDING METROPOLITAN ZIPcodes

The detailed demographic and housing data are available for over 60,000 geographic areas in the United States. These areas range from census tracts of 4,000 people to counties, states, SMSA's (Standard Metropolitan Statistical Areas), and the entire U. S. And now for the first time, comparable data are available for five-digit ZIPcodes in all major metropolitan areas.



■ MARKET AREA DEFINITIONS AND MODIFICATIONS

It is also possible to generate a market profile for areas not conforming to any specific geographic unit. SITE II allows the user to define market areas of virtually any size or shape. These can be circular areas, or less regular polygon shaped regions conforming to driving time studies or man-made and natural boundaries. Areas can also be modified to more precisely meet the user requirements by adding or removing specific geographic units such as a tract or county from the defined area.



■ SIX REPORT FORMATS

SITE II offers the user up to six different report formats for presenting the detailed demographic and housing data available for a defined area:

- Demographic Profile Report
- Summary Report
- Columnar Report
- Comparison Report
- Growth Report
- Component Area Report

The Profile and Summary Reports are designed to present the detailed demographic and housing data to the user. The Summary Report condenses what is offered in the Profile Report for more efficient data presentation. The Columnar and Comparison Reports also offer detailed information on an area, but the data is exhibited in such a way as to facilitate the comparison of alternate sites.

The Growth Report and Component Area Report serve specialized functions. The Growth Report provides trend information on population growth from 1960 through the latest estimate year and affords an opportunity to do projections to the year 1999. The Component Area Report indicates which specific geographic units, tracts, minor civil divisions, counties, states or SMSA's, were included in a user defined area.

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CACI Users Group . . .

CACI would again like to extend its invitation for you to join its User's Group. For more information, or to request membership, contact Liz Dailey or Rich Mirro by calling (703) 841-7800 or by writing to CACI, Inc., 1815 North Fort Myer Drive, Arlington, Va., 22209.





SITE

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Tue	12:30 AM–5:00 PM	3:30 AM–8:00 PM	8:30 AM–1:00 AM
Wed	12:30 AM–5:00 PM	3:30 AM–8:00 PM	8:30 AM–1:00 AM
Thu	12:30 AM–5:00 PM	3:30 AM–8:00 PM	8:30 AM–1:00 AM
Fri	12:30 AM–4:00 PM	3:30 AM–7:00 PM	8:30 AM–Midnight
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- PSYCHOLOGICAL ABSTRACTS (\$50/hr) – Literature in psychology and other behavioral sciences (1967 to present).
- SOCIAL SCISEARCH[®] (\$70/hr) – Multidisciplinary coverage of the social sciences (1972 to present).
- SOCIOLOGICAL ABSTRACTS (\$55/hr) – In-depth coverage of sociology and related areas (1963 to present).

BUSINESS/ECONOMICS

- ABI/INFORM (\$65/hr) – Coverage of business, finance, and related fields (1971 to present).
- CHEMICAL INDUSTRY NOTES (\$90/hr) – Coverage of the chemical process industries from Predicasts, Inc., and CAS (1973 to present).
- FOUNDATION DIRECTORY (\$60/hr) – Descriptions of over 2500 foundations from the Foundation Center (maintained on current basis).
- FOUNDATION GRANTS INDEX (\$60/hr) – Cumulation of grants records from U.S. philanthropic foundations (1973 to present).
- PTS DOMESTIC STATISTICS (\$90/hr) – Time series and forecasts on U.S. economics, demographics, finance, and production (1971 to present).
- PTS EIS PLANTS (\$90/hr) – Data and classification of industrial plants in the U.S. (maintained on current basis).
- PTS F&S INDEXES (\$90/hr) – Citations to articles relevant to business research (1972 to present).
- PTS INTERNATIONAL STATISTICS (\$90/hr) – Time series and forecasts on foreign economics, demographics, finance, and production (1972 to present).
- PTS MARKET ABSTRACTS (\$90/hr) – Worldwide coverage of Chemical Market Abstracts and Equipment Market Abstracts (1972 to present).
- PTS WEEKLY (\$90/hr) – Current and extensive coverage of chemical and equipment market information; related to Market Abstracts File (1972 to present).

Some typical cost information can be supplied. Online searching and online printing is currently running at about \$25.00 per terminal connect hour for ERIC and \$35.00 for all other data bases. Off-line printing is 10¢ per record including air mail delivery.

Dial-up customers (Level 2) have three choices for telephone communications, any one or all of which may be used: (a) use of the Tymshare, Inc., national communications network for 10-, 15-, or 30- cps terminals at \$10.00 per hour from access points in more than forty cities; (b) customer's own outward WATS line or other special line such as FTS where approved; or (c) direct distance dialing. For high-speed leased line service (Level 1) \$100-\$300 per month is a typical range for locations on or near the Lockheed network.

Terminal equipment can be provided by the customer directly; if provided by Lockheed, costs are typically \$150-\$215 monthly for a 30 cps dial-up terminal and around \$420 for a full-scale high-speed video display and printer. Training required is minimal and is provided on a per diem basis. Total installation and train-

ing cost for high-speed Level 1 service is approximately \$1000-\$1500 on a one-time basis, for Level 2 around \$500 if training is required.

Costs of the offline, mail-in search service on the ERIC files are computed from two variables: \$20.00 per 10 descriptors or fraction thereof, plus \$5.00 per 50 citations or abstracts printed, with a minimum charge of \$25.00. There is no printing charge for a list of accession numbers alone.

Costs of the other services described in the scope statement above are so dependent on the particular situation that it is impossible to give any typical indications.

Users can subscribe to the dial-up service on a simple purchase order basis and will be invoiced monthly for actual usage. A service agreement is normally entered into for provision of the high-speed service. Every attempt is made to set up business arrangements which meet the particular search needs and activity of a prospective user organization.

Note: Since initial publication of this article, methods, and rates of service have changed. See associated DIALOG® Information Retrieval Service documentation for current information. (4/76)

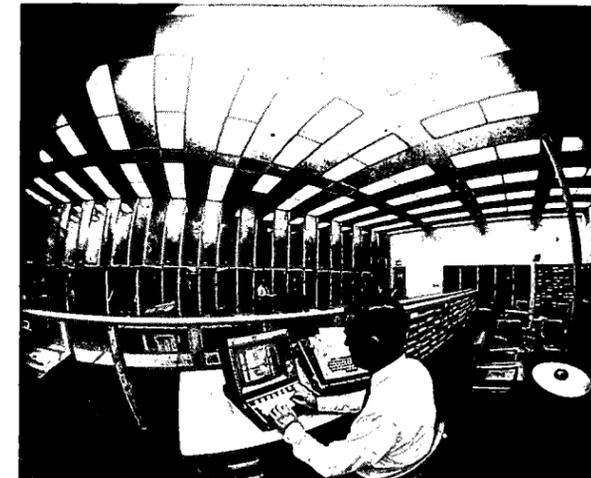
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INFORMATION CENTER PROFILE

LOCKHEED INFORMATION SYSTEMS

Code 5020/201
3251 Hanover Street
Palo Alto, California 94304
Telephone: (415)493-4411, Ext. 45635



Dr. Roger K. Summit, Manager, Lockheed Information Systems, enters a search request using the DIALOG® Information Retrieval System. This terminal, located in a Lockheed library, can access the world's largest online collection of data bases covering Science, Technology/Engineering, Social Sciences, and Business/Economics.

ORIGIN

The online, interactive computer search service available to information centers, libraries and other users from Lockheed Information Sciences is a logical outgrowth of a sustained research and development program started by the Lockheed Palo Alto Research Laboratory more than a decade ago. The Information Sciences division was then established to generate new knowledge and practical operations for space-age information handling requirements, including the "information explosion" of literature. Through company funded research, other Lockheed projects and direct contracts, Information Sciences has contributed to the state-of-the-art of information systems and models, transformations, and interactions (such as online retrieval).

Recognizing the need for more rapid, powerful means to identify records within a file which satisfy a particular information need, Lockheed developed in the mid-sixties the first information retrieval language which combined the merits of direct user interaction, modern computer speeds, large direct access storage and coordinate indexing techniques. The first contractual application of the language began in 1966 with the National Aeronautics and Space Administration (NASA) document citation collection and culminated with installation of a version of the language, known as NASA/RECON, on a NASA computer

This profile was prepared by
Robert Donati

network serving nearly thirty terminals in NASA facilities throughout the country. Subsequent contracts over the years resulted in application of this search techniques to bibliographic files of the Atomic Energy Commission (AEC), the European Space and Research Organization, the U.S. Office of Education (USOE), and the National Technical Information Service (NTIS), and others.

Since interactive access to these data bases and other files has proved of value to many organizations, a commercial search service was announced in early 1972 providing online interactive access to terminals in any subscriber's office.

MISSION

Lockheed Information Sciences provides online, interactive search access to significant data bases, particularly bibliographic citations and abstracts, which are of interest to libraries, information centers, and researchers in industry, government, schools, universities, and many other organizations. An individual customer's own data base may also be maintained for online searching, with access restricted if desired. This division also has the mission to continue research and development of advanced search and handling techniques for the continual improvement of the service. Full-text indexing and computer-

output-microfilm as an output option are only two examples of newer developments within the past year or two. Information Sciences also keeps abreast of and utilizes appropriate developments in computer hardware and communications systems for continual improvement of the retrieval language and service.

SCOPE

To accommodate a variety of user information retrieval needs, several services are provided:

A. Online, interactive retrospective searching. Access is provided to terminals in user offices from data bases stored online at the Information Sciences computer center. Using the Lockheed information retrieval language, a searcher can perform the following functions:

- Display, identification and selection of terms or phrases which characterize the search interest
- Combination or coordination of terms or phrases into a search expression
- Display or printout of intermediate search results for examination, allowing modification of search expression, including enhancement and restructuring without restarting the search and without loss of intermediate results
- High-speed printout of complete or selected search results and delivery to user.

B. Offline, mail-in retrospective searching. Users prestructure their search on simple worksheets and mail in to our center for processing. This service is offered primarily as an accommodation to users not having access to an online terminal who wish to search the ERIC files of the National Institute of Education.

C. File generation and maintenance of special data bases. A customer's own data base may be brought up for online searching for his own exclusive use or for access by others, as agreed upon.

D. Turn-key implementation on a customer's computer. An organization's data base may be brought up for online searching using the Lockheed retrieval system on the customer's own computer system in those special cases where circumstances of volume and activity warrant.

E. Selective dissemination of information. Standing search profiles can be generated which can then be processed against each file update of specifiable data bases.

INPUT

A. Online files of data bases. A user may subscribe to one or more of the following files. Other scientific, technical and behavioral science data bases are under review for early addition to the service.*

- NTIS-National Technical Information Service, U.S. Department of Commerce. Complete and current machine-processible files of the GOVERNMENT REPORTS ANNOUNCEMENT (GRA) JOURNAL. 1964 to date. 330,000 items, growing at the rate of 60,000 per year. Semimonthly update. Covers all government-sponsored research and development reports and other government analyses prepared by federal agencies, their contractors or grantees. State and local reports now being included. Full abstracts.

- ERIC-Educational Resources Information Center. National Institute of Education, Department of Health, Education, and Welfare. Complete file of some 120,000 citations. Updated quarterly. 20,000 new items annually. Narrative abstracts included. Principal files are RESEARCH IN EDUCATION (RIE) covering important, timely educational research reports, papers and other documents; CURRENT INDEX TO JOURNALS IN EDUCATION (CIJE) covering articles from 352 educational periodicals; and the FIELD READER CATALOG of nongovernment specialists under contract to the Bureau of Research of the Office of Education.

- PANDEX CURRENT INDEX TO SCIENTIFIC AND TECHNICAL LITERATURE. Published by CCM Information Corporation. Covers articles in 2400 journals. Online file of 500,000 items in science, medicine, and technology.

- EXCEPTIONAL CHILDREN ABSTRACTS. Council for Exceptional Children. Currently around 12,000 items. Updated quarterly. Search access on permission of the Council.

- AIM & ARM. Abstracts of instructional and research materials in vocational and technical education. Supplements ERIC.

- TRANSDEX Index to U.S. Joint Publications Research Service (JPRS). Macmillan Information Company, 30,000 books, reports, documents, articles annually translated; available on film and fiche.

- Special Files. In addition to bibliographic files, a variety of others have been made searchable for private use by individual customers. Examples include personnel records, health data, welfare files, and parole reports.

B. Online Search Input. Communication to the computer is accomplished through a

console in the user office typically consisting of a keyboard/display terminal with optional local printer or a stand-alone keyboard/hardcopy output unit. The user issues functional commands to the computer by means of command keys located on the keyboard of the terminal and types in operand data in the form of narrative or code.

INFORMATION RETRIEVAL LANGUAGE

The language procedures required for searching are easily learned and have been successfully used by educators, librarians, scientists, engineers, and other professionals. The information retrieval language has been consistently developed with the needs of the lay searcher in mind; its characteristics replicate human thought processes and expand human manipulative ability.

By providing full display access to the indexing vocabularies, thesauri, document citations and abstracts, and recursive, incremental definition of search expressions, the language becomes a data processing extension of the human searcher who directs and controls the retrieval process as it converges on the relevant items. Because of the language flexibility, the user with a well-defined search can proceed directly to desired records. The person who cannot so explicitly define his search objective can browse through the file thereby investigating successive avenues of interest as they occur to him or as they are suggested by intermediate retrieval results.

By eliminating intermediaries and placing the user in direct communication with the computer, results are available in seconds or minutes instead of days or weeks and interesting avenues of exploration suggested by preliminary results can be pursued without time lapse. The proven capabilities of the system to provide ultimate visibility and accessibility of information in very large files is well matched to stringent requirements for rapid, time-responsive, exhaustive retrieval.

Full-text retrieval can be provided for the entire computer record or for specifiable fields within the record. Each record may be composed of a variable number of variable length fields. Every word of a specifiable field may be made searchable (full-text indexing) or the complete text of the field may be treated as a single searchable entity, or both approaches may be employed. A determination is made with the organizational source of the data base prior to the initial file generation as to which fields will be made searchable and in which mode. Normally, the fields selected for searching in bibliographic files include author, title, subject descriptors and identifiers, corporate source, report and contract numbers, classification codes, and similar indexes.

OUTPUT

Online results are returned from the computer on the display or printer, as appropriate. These may include the search strategy of selected and combined terms, a portion of the alphabetic file in which a particular search term is imbedded together with posting frequencies and references to related terms, a thesaurus listing, and the document citations and abstracts, or portions thereof. Any information displayed on a terminal screen can be copied off onto the local printer.

The complete set of search results or specifiable portion is normally printed by high-speed printer at the computer center and returned by air mail to the user. This output typically consists of the search strategy together with the document citations and/or abstracts in a variety of formats which can be designated from the terminal console. This output, which is printed in two copies, thus constitutes a bibliography on the search topic.

COST

The most cost effective mode of operation is worked out with an individual organization to meet its own particular information retrieval needs. A client's own terminal equipment may be used or Lockheed will install a terminal at his location. A wide variety of teletype-compatible terminals is supported.

Two basic modes of operation are available for online service:

- Level 1 (for regular users)
 - . high-speed display/printer terminal
 - . 240 characters-per-second transmission rate over leased, dedicated telephone line (480 cps soon)
 - . extensive browsing capabilities
 - . particularly useful for centers having 8 or more search hours per week
- Level 2 (for occasional users)
 - . dial-up operation (ordinary telephone or TWX)
 - . 10, 30 or 120 characters-per-second transmission rate
 - . display or hard copy terminal

Since the cost of the service depends on usage, distance from the computer, and type of terminal selected, only an indication of what the cost may be can be given here. Service is offered to an individual customer on a firm, fixed-price rate basis in a definitive proposal.

DIALOG[®] INFORMATION RETRIEVAL SERVICE

ORDER FORM

INSTRUCTIONS: Please fill in area enclosed by heavy line, then sign and return the Order Form to



LOCKHEED INFORMATION SYSTEMS
Code 5208/201
3251 Hanover Street
Palo Alto, California 94304

Toll Free: 800/227-1960 (Continental U.S. except California)
California and All Others:
415/493-4411, Ext. 45412

BILLING ADDRESS

ORGANIZATION NAME		ATTENTION: (if applicable)	
DIVISION/DEPARTMENT		NUMBER AND STREET	
CITY		STATE	ZIP
		AREA CODE/NO.	

YOUR PURCHASE ORDER NO.
(If Applicable)

MANUALS (\$10 EACH)
(Enter Quantity)

MAIL SEARCH RESULTS TO

ORGANIZATION NAME			
M_	NAME	DIVISION/DEPARTMENT	
NUMBER AND STREET			
CITY		STATE	ZIP
		AREA CODE/NO.	

Are you a present user? YES NO

If Yes, please enter your Customer Number: _____

Is this a renewed order? YES NO

DATA BASE YOU PLAN TO USE MOST:

PRINCIPAL TERMINAL USER (If Different Than Above)

M_	NAME	AREA CODE/NO.
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WHERE DID YOU LEARN ABOUT OUR SERVICE?

Advertisements

Professional Meetings

Current User

Colleagues

Other (please specify)

ADDITIONAL INFORMATION

AUTHORIZED SIGNATURE

NAME AND TITLE (Typed or Printed)		SIGNATURE	DATE
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- - - DO NOT WRITE BELOW THIS LINE - - -

CUSTOMER NUMBER	PASSWORD	DEFAULT */FILES	GROUP NUMBER
CREDIT CLEARANCE NO.	CL	WO	WA
CUSTOMER ABBREVIATION			<input type="checkbox"/> NEW
			CHANGE NO. _____
COMMENTS:			
ORDER ACCEPTED BY			DATE

DIALOG® INFORMATION RETRIEVAL SERVICE

DATA BASE (SUPPLIER)	Connect Time Rate	Offline Print Rate Per Full Record
SCIENCE		
BIOSIS PREVIEWS* (BioSciences Information Service of Biological Abstracts, Inc.)	\$ 65/Hr	10¢
CA CONDENSATES* ¹ (American Chemical Society)	45	8¢
CA SUBJECT INDEX ALERT* ¹ (American Chemical Society)	60	12¢
CHEMNAME	60	12¢
CAIN (National Agricultural Library, U.S. Dept. of Agriculture)	25	5¢
COMPREHENSIVE DISSERTATION ABSTRACTS ² (Xerox University Microfilms)	55	12¢
SCISEARCH® ³ (Institute for Scientific Information, Inc.)	70	10¢
TECHNOLOGY/ENGINEERING		
CLAIMS™ /CHEM (IFI/Plenum Data Company)	150	10¢
CLAIMS™ /GEM (IFI/Plenum Data Company)	90	10¢
COMPENDEX* (Engineering Index, Inc.)	65	10¢
INSPEC-PHYSICS* ⁴ (Institution of Electrical Engineers)	45	10¢
INSPEC-ELEC/COMP* ⁴ (Institution of Electrical Engineers)	45	10¢
ISMEC (Data Courier, Inc.)	45 ⁹	10¢ ⁹
METADEX (American Society for Metals)	80	12¢
METEOROLOGICAL ABSTRACTS (American Meteorological Society and NOAA)	50	10¢
NTIS (National Technical Information Service, U.S. Dept. of Commerce)	35	10¢
OCEANIC ABSTRACTS® * (Data Courier, Inc.)	55	10¢
WORLD ALUMINUM ABSTRACTS (American Society for Metals)	50	10¢
SOCIAL SCIENCES		
AIM/ARM (Center for Vocational Education)	25	10¢
ERIC (Educational Resources Information Center)	25	10¢
EXCEPTIONAL CHILD EDUCATION ABSTRS. (Council for Exceptional Children)	25	10¢
LANGUAGE AND LANGUAGE BEHAVIOR ABST. (Sociological Abstracts, Inc.)	55	15¢
PSYCHOLOGICAL ABSTRACTS* ⁵ (American Psychological Association)	50	10¢
SOCIAL SCISEARCH® ³ (Institute for Scientific Information, Inc.)	70	10¢
SOCIOLOGICAL ABSTRACTS (Sociological Abstracts, Inc.)	55	15¢
BUSINESS/ECONOMICS		
ABI/INFORM (Data Courier, Inc.)	65	10¢
CHEMICAL INDUSTRY NOTES (Predicasts, Inc. and Chemical Abstracts Service)	90	20¢
FOUNDATION DIRECTORY* ⁶ (The Foundation Center)	60	30¢
FOUNDATION GRANTS INDEX* ⁶ (The Foundation Center)	60	30¢
PTS DOMESTIC STATISTICS ⁷ (Predicasts, Inc.)	90	20¢
PTS EIS PLANTS (Predicasts, Inc.)	90	50¢ ⁸
PTS F&S INDEXES ⁷ (Predicasts, Inc.)	90	20¢
PTS INTERNATIONAL STATISTICS ⁷ (Predicasts, Inc.)	90	20¢
PTS MARKET ABSTRACTS ⁷ (Predicasts, Inc.)	90	20¢
PTS WEEKLY ⁷ (Predicasts, Inc.)	90	20¢

*Data base copyrighted by indicated supplier.

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- (5) Buyer agrees not to use data retrieved for the purpose of replacing all or any part or as a substitute for license, lease, or purchase of any of the data base.
- (6) This data base is copyrighted by The Foundation Center. No part of this data base may be reproduced by any means or transmitted or translated into machine-readable form without written permission from The Foundation Center.
- (7) Available on a six-month trial basis. Permanent service must be arranged through Predicasts, Inc., 200 University Circle, Research Center, 11001 Cedar Avenue, Cleveland, Ohio 44106 (216/795-3000). Buyer may not copy displayed Predicasts abstracts to tape cassettes without specified authorization by Predicasts, Inc.
- (8) Citation printed, typed, or displayed.
- (9) Beginning June 1, 1976, charges will be \$65/hr for connect time and 12¢/full record, printed offline.

TERMS AND CONDITIONS

- (1) THIS IS AN OPEN ORDER THAT REMAINS IN EFFECT UNTIL CANCELLED BY EITHER PARTY WITH 30 DAYS NOTICE.
- (2) Invoicing will be monthly, with payment due on receipt of invoice. Delinquent accounts are subject to interest charges of 1% per month on the unpaid balance. Invoicing will be U.S. dollars.
- (3) Lockheed Missiles & Space Company, Inc. (LMSC), reserves the right to add data bases or withdraw them with 30 days notice. Buyer agrees to comply with any copyright notices or other limitations on use applicable to material or data bases supplied hereunder.
- (4) Terminal connect hour rates are prorated fractionally to the nearest hundredth of an hour. Rates do not include California State sales tax (applicable in California only) for offline prints, manuals, or microfiche. Offline print rates include mailing within the U.S. Foreign users are subject to additional billing for mailing charges.
- (5) DIALOG® services are priced F.O.B. Palo Alto, California. If the Buyer elects to use the TYMNET communications network, LMSC will bill for such usage at \$10 per terminal connect hour in the U.S. and Canada; \$22 per terminal connect hour in Europe. If the Buyer elects to use the TeleNet communications network in the U.S. or Canada, LMSC will bill for such usage at \$8 per terminal connect hour. Use of TYMNET or TeleNet has been arranged by LMSC and requires no action on the Buyer's part.
- (7) LMSC will provide various user materials (excluding Users Manuals), a DIALOG® system password, the nearest TYMNET or TeleNet telephone number, and network password, if applicable. Users Manuals are \$10 each.
- (8) Buyer will be held responsible for charges incurred against the assigned password until such time as Lockheed is formally notified in writing to cancel or modify the password.
- (9) DIALOG® User Training is optional, though highly recommended. At LMSC facilities in Palo Alto, New York, Washington, D.C., Los Angeles, or Chicago, the training fee is \$50 per person per one-day session. At the user's facility, the training fee is \$200 per day plus transportation and per diem expenses for the Lockheed instructor.
- (10) Independent of training site, up to 2 hours of terminal connect time is provided at no charge during the first full month of service, excluding TYMNET or TeleNet communications charges and offline print charges.

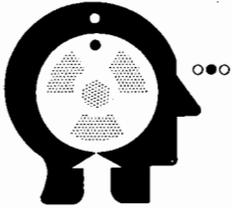
- (11) LMSC reserves the right to modify any and all service rates, training fees, and Users Manual prices, and such modified rates, fees, or prices shall be effective 30 days after LMSC has given notice to the Buyer.
- (12) LMSC shall not be liable or deemed to be in default for any delays or failure in performance or interruption of service resulting directly or indirectly from any cause or circumstance beyond the reasonable control of LMSC. Buyer will indemnify and hold LMSC harmless against any claims or demands of third parties arising out of use of services or materials provided hereunder, except to the extent that such claims or demands result from the negligence of LMSC.
- (13) LMSC will provide DIALOG® Information Retrieval Service in accordance with the Users Manual and LMSC MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. LMSC will not be liable for incidental or consequential damages.
- (14) If the Buyer's Purchase Order form must be used in conjunction with this Order Form, then the following statement is hereby automatically made part of the Buyer's Purchase Order:

"This Lockheed Order Form is hereby made a part of Buyer's Purchase Order and is in lieu of all terms and conditions, express or implied, in such Purchase Order. This Order Form is not transferrable and is applicable for all renewals of this order."

- (15) The current DIALOG® availability schedule is:

Day	Pacific Time	Eastern Time	Greenwich Time
Mon	5:00 AM - 5:00 PM	8:00 AM - 8:00 PM	1:00 PM - 1:00 AM
Tue	12:30 AM - 5:00 PM	3:30 AM - 8:00 PM	8:30 AM - 1:00 AM
Wed	12:30 AM - 5:00 PM	3:30 AM - 8:00 PM	8:30 AM - 1:00 AM
Thu	12:30 AM - 5:00 PM	3:30 AM - 8:00 PM	8:30 AM - 1:00 AM
Fri	12:30 AM - 4:00 PM	3:30 AM - 7:00 PM	8:30 AM - Midnight
Sat	6:00 AM - Noon	9:00 AM - 3:00 PM	2:00 PM - 8:00 PM

Note: Above times are for Standard Time. Adjust Greenwich Time accordingly for Daylight Time.



**LOCKHEED INFORMATION RETRIEVAL SERVICE
PRESENTS:**

DIALIST™

Term Frequency Indexes From the DIALOG™ Files

Microfiche Form • Merged for Your Convenience

SAMPLE OF MERGED-TERM INDEX									
INDEX TERM	NTIS GRA	ENG INDX COMPENDEX	INSPEC EE&COMP	INSPEC ISMEC	INDEX TERM	NTIS GRA	ENG INDX COMPENDEX	INSPEC EE&COMP	INSPEC ISMEC
AUTOMOBIL			11		AUTOMORPHISM GROUP				13
AUTOMOBILBAU		21			AUTOMORPHISM GROUPS				5
AUTOMOBILE	1232	2846	276	236	AUTOMORPHISMS	55	7		30
AUTOMOBILE ACCIDENTS	7				AUTOMOT		11		
AUTOMOBILE AIR CONDITIONING SYSTEM			2		AUTOMOTIVE	734	848	509	158
AUTOMOBILE BODIES	92		2	2	AUTOMOTIVE AERODYNAMIC AND ROLLING R		2		
AUTOMOBILE BODY		3			AUTOMOTIVE APPLICATION		22		
AUTOMOBILE BODY PARTS				2	AUTOMOTIVE APPLICATIONS		11	4	8
AUTOMOBILE COLLISION	4				AUTOMOTIVE COMPONENTS	4		3	4
AUTOMOBILE COLLISIONS	265				AUTOMOTIVE CONTROL		2		
AUTOMOBILE COMPONENTS			3	7	AUTOMOTIVE CRASH INJURY RESEARCH	5			
AUTOMOBILE CONSTRUCTION				2	AUTOMOTIVE ELECTRONICS			5	
AUTOMOBILE CONSUMER INFORMATION	3				AUTOMOTIVE EMISSION CONTROL		9		
AUTOMOBILE CRASH SENSORS	3				AUTOMOTIVE EMISSIONS		4		
AUTOMOBILE CRASHWORTHINESS	3				AUTOMOTIVE ENGINEERING	31	90		
AUTOMOBILE DEFECTS	2				AUTOMOTIVE ENGINES	2	2	8	7
AUTOMOBILE DRIVERS		346			AUTOMOTIVE ENVIRONMENT			4	
AUTOMOBILE ELECTRONICS			11		AUTOMOTIVE FRAME COMPONENTS				2
AUTOMOBILE EMISSIONS				2	AUTOMOTIVE FRICTION MATERIAL				2
AUTOMOBILE ENGINE FTRES	3				AUTOMOTIVE FUEL SYSTEMS	2			
AUTOMOBILE ENGINE MANUFACTURE		68			AUTOMOTIVE FUELS	80	192		
AUTOMOBILE ENGINEERING		2		98	AUTOMOTIVE GAS TURBINE				6
AUTOMOBILE ENGINES	242	1166	5	5	AUTOMOTIVE GAS TURBINE ENGINE				2
AUTOMOBILE ENGINES, DESIGN		4			AUTOMOTIVE IGNITION NOISE		2		
AUTOMOBILE ENGINES, EXHAUST GASES		11			AUTOMOTIVE INDUSTRIES				2
AUTOMOBILE ENGINES, EXHAUSTS		2			AUTOMOTIVE INDUSTRY	96		7	18
AUTOMOBILE ENGINES, IGNITION SYSTEMS		2			AUTOMOTIVE MATERIALS		3		
AUTOMOBILE EXHAUST	296				AUTOMOTIVE OBSTACLE DETECTION SYSTEM				2
AUTOMOBILE EXHAUST GASES	9		3		AUTOMOTIVE POWER				3
AUTOMOBILE EXHAUSTS	11				AUTOMOTIVE POWER PLANTS			2	
AUTOMOBILE EXHIBITIONS		7			AUTOMOTIVE RADAR		2	2	
AUTOMOBILE EXHIBITIONS, WEST GERMANY		3			AUTOMOTIVE RANKINE CYCLE ENGINES				2
AUTOMOBILE FACTORY			3		AUTOMOTIVE REFLECTED GLARE	2			
AUTOMOBILE FERRIES	2				AUTOMOTIVE SWITCHES				2

For more complete retrieval, this valuable tool helps identify the data bases needed and enables initial offline selection of search terms and strategy.

DIALIST can help predetermine the utility of an online search, which files should be searched, and the anticipated number of citations, thereby saving online connect charges through advance preparation.

The merged DIALIST Index Collections are offered for data bases in the broad subject areas shown:

(1) Engineering and Technology

NTIS/GRA; EI/COMPENDEX; INSPEC/Electrical & Electronic, and Computer & Control Abstracts; INSPEC/ISMEC – Mechanical Engineering

(2) Sciences I

CAS/CA Condensates; BA/BIOSIS Previews; ISI[®] /SCISEARCH[®] ; INSPEC/Physics

(3) Sciences II

CAS/CA Condensates; BA/BIOSIS Previews; ISI/SCISEARCH; NAL/CAIN

(4) Social Sciences

NIE/ERIC (Full-Text); APA/Psychological Abstracts; ISI/Social SCISEARCH[®] ; CEC/ Exceptional Children Abstracts (Full-Text)

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