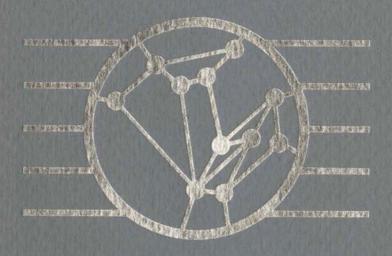
PASSPORT TO INFORMATION



A Directory of Computer & Data Services Available Through TYMNET

INTRODUCTION

This is a directory of Tymnet customers who offer computer and data services through the TYMNET® public data communications network. It includes only subscribers who choose to be listed for public reference. Customers whose facilities are solely for internal use are not included.

The first section, 'TYMNET Subscribers,' lists customers in alphabetical order, with brief descriptions of their organizations and offerings. Each entry includes an address, telephone number, and contact person, and the computers through which the customer's services are provided.

The second and third sections, 'Data Bases Available Through TYMNET' and 'Major Applications/Software Facilities Available Through TYMNET,' serve as quick reference guides to the kinds of information and services offered by TYMNET subscribers. Further information about specific computer services and data bases may be obtained from the respective organizations that provide them.

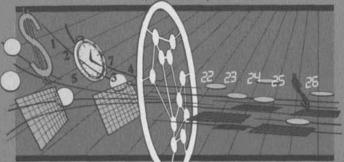
These computer-based services can be accessed with a local telephone call in hundreds of metropolitan areas in the United States and more than 60 foreign countries. In almost all other countries, access is available via Telex. Access to a specific subscriber's system must be authorized by that subscriber.



San Jose, California 95134

The 2400 bps Difference

Reduce Costs and Optimize Productivity



TYMNET's 2400 bps service reduces connect time by 60-80%, according to experiments conducted by NEWSNET, the world's irrgest on-line database of business newsletters. And the longer the session, the greater the proportional savings in time.

Since time is money... REDUCED CONNECT TIME MEANS REDUCED EXPENSE.

And that's not all.

TYMNET lets you improve productivity because employees can now spend more time working at their terminals and less time waiting on data transmission.

TYMNET's 2400 bps dialup service supports the new generation of law-cost moderns. Lease or purchase them directly from TYMNET, your Single Vandor Solution.

WITH REDUCED CONNECT TIME AND MES-SAGE UNIT CHARGES, YOUR MODEM CAN PAY FOR ITSELF... AND LET YOU PERFORM MORE FOR LESS. AND ISN'T THAT WHAT IT'S ALL ABOUT?

Call or write for more information regarding TYMNETs 2400 bps Dialup Access and 2400 bps Moderns.



E

Custom and Public Data Networks



COMPUTER SERVICES AVAILABLE THROUGH TYMNET

ABS/DATANETWORK

400 Embassy Square

Louisville, Kentucky 40299

Contact:

Kent Salmon (502) 491-1050 Don Smith (502) 491-1050 Customer Service (800) 626-2358

DATANETWORK is a full service teleprocessing utility providing timesharing, transaction processing, and remote batch and interactive remote job entry throughout North America via direct access to largescale DPS/8 Honeywell Computer System and a Prime 750.

In addition to a comprehensive library of language processors, conversion aids, utility programs, application packages, and data base systems, users are offered total solution approaches for a number of key service problems. The service is available 24 hours a day, 7 days a week, with HOTLINE support through Customer Service. Nationwide toll-free access is provided at 30 and 120 cps and from 2400 to 9600 baud. Standard and guaranteed volume discounts are available.

Computer(s): Honeywell large-scale DPS/8

System Prime 750

ADP COLLISION ESTIMATING

SERVICES

2380 West Winton Avenue

Hayward, California 94545

Contact:

Bo Rothchild (415) 783-4344

On-line collision damage estimating system and other computer services for insurance companies.

Computer(s): IBM compatible

ADVANCED DATA GROUP, INC. (ADG)

20370 Town Center Lane, Suite 255 Cupertino, California 95014

Contact:

Joyce Engberg (408) 446-4346

ADG provides a complete spectrum of timesharing services, including management consulting, customized programming, and facilities management. Languages supported are BASIC, FORTRAN, COBOL, RPG and SPL in an interactive or batch environment. The data base language IMAGE-QUERY/3000 is also provided.

Software systems offered include financial planning (\$FLOW), field service reporting, and electronic mail (Jenny/3000), and Artificial Intelligence Information Management. Additional services include the One PointTM Electronic Catalog previewing more than 5,500 microsoftware packages.

Computer(s): HP 3000 Series III

AIRLINE TARIFF PUBLISHING COMPANY (ATPCO)

P.O. Box 17415

Dulles International Airport Washington, D.C. 20041

Contact:

James Taggart (703) 471-7510

ATPCO offers a data base of all current and future airline fares. Coverage includes domestic and international, local and joint fares. ATPCO is the source for the latest in fare information.

Computer(s): IBM 3083

AMHERST ASSOCIATES, INC.

210 Old Farm Road

Amherst, Massachusetts 01002

Contact:

Director of Corporate (312) 332-0500

Marketing

Offers an interactive time-shared financial modelling system for the health care industry. Cost and management reporting, budgeting, rate setting, forecasting and analysis, longrange planning, payroll simulation, and cash management are also available.

Computer(s): DEC VAX-11/780

BTI COMPUTER SYSTEMS (BTI) 870 West Maude Avenue

Sunnyvale, California 94086

Contact:

Jon Nickerson

(408) 733-1122 Telex:339548

Manufacturers of the BTI 5000 mediumscale interactive timesharing system (over 4,000 installed as of June 1, 1984) and of the new BTI 8000, a 32-bit multiprocessor system that introduces Variable Resource Architecture and state-of-the-art system software. The BTI service computer performs on-line system diagnosis from BTI's national service center. TYMNET service provides demonstration and pre-delivery customer access.

Computer(s): BTI 5000

BTI 8000

BATTELLE MEMORIAL INSTITUTE

Columbus Laboratories 505 King Avenue Columbus, Ohio 43201

Contact:

Raymond Whyde

(614) 424-7169

General purpose timesharing, batch processing, and information services to meet a variety of research, development, and educational needs. Battelle is the world's largest non-profit research institute providing a wide variety of technical capabilities to government and industry. Services include: DM, a three-schema relational-data base management system; BASIS, an information retrieval and analysis service; NUCLEUS, an economic analysis modelling system; and BECUN, an

educational computing network for colleges and high schools. In addition, TYMNET provides researchers access to Battelle computers from locations throughout the world,

Computer(s): CDC Cyber 73

CDC Cyber 74 CDC Cyber 180-855 CDC Cyber 180-815 DEC VAX-11/780 (4)

BIBLIOGRAPHIC RETRIEVAL SERVICES (BRS)

1200 Route 7

Latham, New York 12110

Contact:

BRS Customer Service

(518) 783-1161 (800) 833-4707

BRS is a major data base vendor offering more than 60 files, ranging from subjects of general interest to business and technical information. Using powerful BRS/SEARCH software, BRS offers services which include electronic mail. Special services for the home market are also available. Off-line high-speed printing is available with an over-night delivery service.

Computer(s): NAS 9050

BLOODSTOCK RESEARCH INFORMATION SERVICE, INC. P.O. Box 4097

801 Corporate Drive Lexington, Kentucky 40504

Contact:

R.H. Gillespie

(606) 223-4444 Telex: 510-476-886-3

A general timesharing company specializing in accounting, manufacturing, distribution, and data base management. Specific expertise in the area of large data bases supporting pure-breed registrations, including a data base of over 900,000 thoroughbred horses foaled since 1920 and race records. FORTRAN-BASIC-PLUS supported.

Computer(s): DEC VAX-780

BRADFORD NATIONAL COMPUTER SERVICES

1500 Palisade Avenue Teaneck, New Jersey 07666

Contact:

Vincent J. Iuzzolino

(201) 833-1020

BNCS is a full service information processing center which provides on-line and batch processing, timesharing and professional services, including computer replacement and systems design and development. Disaster backup is also offered. The company serves engineering firms, health care agencies, manufacturers, retailers, broadcasting firms and the financial services industry.

BNCS offers the first videotex system in a service bureau environment.

Computer(s): IBM System 3033 MVS/OS (1) IBM 370/158 VM/CMS (1) Amdahl 5680 MVS/OS (1)

BRIDGE DATA COMPANY 10050 Manchester Road St. Louis, Missouri 63122

Contact:

James M. Yates

(314) 821-5660 (800) 325-DATA

Bridge Data Company provides real time on-line stock, options and commodity market information, as well as news recall and history on stocks, options and commodities. Over-the-counter domestic and foreign securities information is available also.

Bridge provides portfolio evaluation capabilities and an on-line mail facility. Services include information retrieval, securities processing, and securities and technical analysis. Bridge also provides the data base, The Bridge Information System: BROKERAGE SYSTEM.

Computer(s): DEC PDP-11/44

BUSINESS INFORMATION SYSTEMS, INC.

747 3rd Avenue New York, New York 10017 Contact:

Julie Farrell

(212) 752-0831

General timesharing service specializing in the development and support of customized software systems.

Computer(s): DECSystem 20 (2)

CCS AUTOMATION SYSTEMS, INC. 101 Continental Blvd, Suite 200 El Segundo, California 90245

Contact:

Jeffery L. McKnight

(213) 417-0624

CCS Automation Systems, Inc., a wholly owned subsidiary of Texas Air Corporation, offers fully automated information services to the Airline and Air Transport Industry. CCS provides state-of-the-art automated reservations and passenger processing, flight planning, aviation, weather, communications, business systems and customized software development to over 85 airlines worldwide, through SHARES (Shared Airline Reservation System).

Designed to meet the growing needs of the airline industry, we focus on enhancing our programs to keep our products ahead of the demands of the industry. CCS offers airlines worldwide a cost effective alternative to the high cost of operating an In-House system. Timesharing under the VM/CMS operating system is also offered, and available services include data base management, spreadsheet package, full-color graphics, and most major programming languages.

Computer(s): AMDAHL V7 and V8

CHEMICAL ABSTRACTS SERVICE (CAS)

2540 Olentangy River Road P.O. Box 3012

Columbus, Ohio 43210

Contact:

Richard T. Kaser

(614) 421-3600

A non-profit organization and a division of the American Chemical Society specializing in abstracting and indexing information from around the world, relating to chemistry and chemical engineering. A staff of 1200 scientists and supporting personnel prepare abstracts of more than 400,000 scientific articles, patents, and reports each year. This information is recorded in a computer data base from which a highly automated processing and publishing system produces "Chemical Abstracts," (a 700-page weekly publication), and a family of allied publications, indexes, microform and computer-searchable information services. CAS directly offers CAS ONLINE, a data base of chemical substance and bibliographic information that includes references to some 6,000,000 documents cited in Chemical Abstracts. CAS ONLINE is now available for searching through STN International, the Scientific and Technical Information Network. STN International is operated by the American Chemical Society in cooperation with other scientific organizations internationally. It provides access to a number of scientific data bases, such as CAS ONLINE and PHYSICS BRIEFS, through a single command language. All the data bases which comprise STN International are now accessible via TYMNET.

Computer(s): IBM System 370/168-3

Attached Processor IBM System 3081D DEC PDP-11/34 (4) DEC PDP-11/40 DEC PDP-11/70 (6) DEC PDP-11/55 DEC PDP-11/44 (10) DEC PDP-11/45 (8)

Four Phase IV/90 (4)

CIRCUIT TECHNOLOGY INC.

160 Smith Street

Farmingdale, New York 11735

Contact:

Dale Wilson

(516) 293-8686

Circuit Technology Inc. provides design, simulation, fabrication and packaging of semi-custom CMOS integrated circuits (gate arrays and standard cell arrays).

Computer(s): VAX-11/750

CITISHARE

Box 1127

New York, New York 10043

Contact:

Seymour Brooks

(212) 572-9605

Citishare, owned and managed by a subsidiary of Citicorp, is a timesharing service specializing in financial applications. In addition to an outstanding financial modelling and reporting system, Citishare offers securities, financial, and economic data bases such as CITIBASE and CITIQUOTE.

Computer(s): DECSystem 2060 (2)

COMMODITY SYSTEMS, INC. 200 West Palmetto Park Road, Suite 200 Boca Raton, Florida 33432

Contact:

Ms. Nassrin Berns

(305) 392-8663 Telex: 522-107

The CSI MARSTATTM data base offers the world's largest collection of commodity futures data, extensive security data and indicators. The data base stretches back as early as 1922 and continues through the present day. Security data and information on options, mutual funds, and treasury instruments can be obtained. Commodity information covers worldwide markets traded in the United States, Canada, Singapore, and many other foreign countries.

CSI provides each user with QuicktrieveTM software that will operate on the Apple, IBM, Commodore 64, and TRS-80 micros, and permits the user to retrieve, manage, study, and graphically review his private data base. The Quicktrieve system is offered to customers at an introductory price of \$135. Please see display ad on the last page of this booklet.

Computer(s): IBM PC or XT

Apple II+, IIe

Apple II+, IIe, or IIc

Commodore 64 TRS-80 Model III COMNET

Computer Network Corporation 5185 MacArthur Boulevard Washington, D.C. 20016

Contact:

A.C. Lewis

(202) 244-1900

A general timesharing service. Computer(s): ITEL AS 5/III

COMPUFUND 11740 Dublin Boulevard Dublin, California 94568

Contact:

Cindy Cramer

(415) 830-1010

CompuFund is a California-based firm which provides computerized mortgage-lending services to the home buying public through the real estate community. These services are provided through a mortgage-lending information data base system and computerized loan processing and underwriting capability.

The mortgage information systems bring realtors, homebuyer and lender together by providing instant computerized access to a variety of lender and loan information. The data base offers up-to-the-minute comparisons of hundreds of programs from local, regional, and national sources.

Supporting this basic service is the loan origination capability of CompuFund. This service is provided by a select group of CompuFund mortgage bankers. So not only can the realtor search through hundreds of financing options for his client, he can also speedily channel that loan for origination through a CompuFund network member. CompuFund national mortgage network is in fact, a total service concept from mortgage information... to loan processing... to actual loan funding.

Computer(s): HP 3000, Series 3

COMPUSERVE INCORPORATED

5000 Arlington Centre Boulevard Columbus, Ohio 43220

Contact:

Communications Services

(614) 457-8600

A nationwide computer services company serving businesses, financial institutions, government agencies, and personal computer owners. CompuServe maintains marketing offices in 30 cities across the United States.

Computer(s): DECSystem 10 DECSystem 20

COMPUSOURCE 1155 Kildaire Farm Road Cary, North Carolina 27511

Contact:

Randall L. Washington

(919) 469-3325

CompuSource is a remote computing services firm catering to the needs of both data processing professionals and end users. CompuSource offers a broad range of software applications from program development languages and productivity utilities to decision support software tools. Other services include: disaster recovery support, laser printing, Marketing Information Data System (MIDS), relational data base/query language/prototyping utility (INFO), Interactive Financial Planning System (IFPS), Statistical Analysis System (SAS), and Biomedical Statistical Software (BMDP).

Computer(s): NAS AS-5, 7031

THE COMPUTER COMPANY

1905 Westmoreland Street Richmond, Virginia 23230

Contact:

Ron Friedman

(804) 254-2431

The Computer Company is a full-service data processing firm whose Interactive Data base Systems and related services are available through ACTION/APL.SV timesharing and through a MC68000-based APL microcomputer interpreter.

The interactive systems offered are used primarily for market and financial analysis, maintenance management, and APL programming to generate management information helpful in planning, forecasting, and control.

Data bases, applications software and services are provided to the financial industry and to the transportation (primarily airlines) industry. Maintenance management systems are available to a variety of industries.

Financial industry services include a market analysis system for data exchanged by participating financial institutions; census demographics for 1980 and 1970; data bases for the Federal Reserve Bank (FRB), Federal Deposit Insurance Corporation (FDIC), Federal Home Loan Bank (FHLB); regulatory bulletins; financial statement analysis; merger and acquisition planning; asset and liability management.

Transportation data bases contain current and historical air traffic information, airport statistics, airline financial statistics, and railroad data. Form 41, ER-586, Domestic and International Origin and Destination, commuter, and ICC data are available to assist in market analysis and route planning.

Maintenance management systems can be used as independent components or integrated into a complete management program for project management and scheduling, work order backlog and history, inventory control and cost control.

Computer(s): IBM System 370/168 Amdahl 470 V/6

COMPUTER CORPORATION OF AMERICA (CCA)

4 Cambridge Center Cambridge, Massachusetts 02142

Contact:

Judy Engraham Bob Roda

CCA is a computer software and services company specializing in business communications with its COMET electronic mail product, and in data base management with its MODEL 204 data base management system product.

CCA's COMET electronic mail system is available as a public service and currently supports 2,500 subscribers. A monthly subscription plan enables users to access this service on their own terminals from anywhere in the United States and from several other countries. The service is available 24 hours a day, seven days a week, and can be accessed using Direct Distance Dialing (DDD), as well as through the public data communications networks. Model 204 data base management system is

offered as a timeshared service by a number of CCA's commercial customers. CCA's COMET electronic mail service runs

on dual PDP-11/70s located at its headquarters in Cambridge, Massachusetts. Computer(s): DEC PDP-11/70 (dual)

COMPUTER INTELLIGENCE CORPORATION 3344 No. Torrey Pines Court, #210

La Jolla, California 92037

Contact:

Vicki Singh

(619) 450-1667

Computer Intelligence collects and analyzes data concerning the computer and office automation industries. Activities revolve around a continually growing data base providing current, accurate, and detailed hardware and software information about end user locations. Information is available on recent acquisitions, as well as buying intentions before the actual purchase. The CI Market Intelligence System is a comprehensive tool for direct sales, product planning, and marketing services.

The Computer Installation Data File contains information about domestic and Canadian computer systems installed at more than 65,000 locations. Each location is individually identified by name, address, corporate affiliation, and industry group. Data includes system manufacturer, model, installation date, peripheral equipment, and

software packages. Reports can be requested on individual locations. Statistical summary reports are also available.

The Computer Publications Retrieval System, available since March 1983, provides article abstracts from more than 900 computer-related journals, newsletters, and periodicals.

On-line access is a flexible interactive system developed for a "user friendly" atmosphere. It allows on-line access to the data bases in menu-driven or ad hoc query environment.

Computer(s): IBM 4341-11

COMPUTING RESOURCE CENTER 2116 Wilshire Boulevard Santa Monica, California 90403

Contact:

William Gould

(213) 453-4567

The Computing Resource Center provides a full range of data processing and computational support, both in-house and through remote terminal access. An IBM VM/CMS operating system is used to enable both interactive and background (batch) processing.

Application software includes data base management and text processing languages, catering particularly to the needs of individuals involved in statistical analyses. CRC proprietary software provides data base management and statistical support not found at other installations. For example, CRC maintains its own relational data base management product, OLDS (on-line data system), for quick data query and generalized record keeping. The center currently maintains the 1960, 1970, and 1980 Censuses, along with the March and May Current Population Surveys from 1968 to the present time. Other data bases include Country Business Patterns, A Panel Study of Income Dynamics (PSID), and Survey of Income and Education (SIE).

IBM-PCs have recently been employed by CRC to enhance the productivity of remote users. Complete linkage to the larger computer is provided by proprietary software, including local data analysis, generation, and editing capabilities on the PC, thus reducing mainframe on-line time.

CRC will lease to its clients the necessary equipment for a remote connection or will assist in renting, leasing, or purchasing the necessary equipment from outside vendors. The Center also provides consulting support for clients who provide their own programmers along with direct programming support for those clients who desire it. The services of the Center are available 24 hours a day, seven days a week, including holidays.

COMPUTONE SYSTEMS, INC.

1 Dunwoody Park Atlanta, Georgia 30338

Contact:

Lee Suttles

(404) 393-3010

Provides financial planning services to the life insurance and financial communities, as well as least-cost formulation, product pricing, and inventory services to formula feed manufacturers and sausage companies. All services are provided from terminals manufactured and serviced by Computone Systems.

Computer(s): IBM System 4341

COOPERATIVE LIBRARY AGENCY FOR SYSTEMS AND SERVICES (CLASS) 1415 Koll Circle, Suite 101 San Jose, California 95112

Contact:

Diane Ellsworth

(408) 289-1756

CLASS is a membership-based public agency dedicated to promoting library cooperation, automation, and resource sharing among all types of libraries and information centers. Services and products provided include: RLIN Shared Cataloguing, Acquisitions, Interlibrary Loan and Search Only services; OnTyme electronic mail; discounts on BRS, DIALOG and SDC/ORBIT; discounts on library supplies, document delivery services and CLASS publications.

CORNELL UNIVERSITY Cornell Computer Services G02 Uris Hall

Ithaca, New York 14853

Contact:

Mariann Carpenter

(607) 256-4981

General purpose interactive computing facilities under VM/370-CMS, with special emphasis on academic applications. Remote job submission and retrieval facilities to MVS/SP/JES2 batch processor. Comprehensive collection of standard language processors, utilities, graphics packages and libraries, mathematical libraries, and statistical packages, with emphasis on econometric analysis, policy analysis, and chemical mass-spectral identification. Floating Point Systems AP-190L and FPS-164 Array Processors are available for high-speed calculations. Specific applications are listed in this directory's "Major Applications/Software Facilities Available Through TYMNET" section. However, access to certain proprietary programs may be limited to educational and non-profit organizations.

Computer(s): IBM System 3081 D IBM System 4341 DECSystem 2060

CYBERSHARE LTD. 550 Berry Street Winnepeg, Manitoba R3H OR9 Canada

Contact:

A.L. Ballegeer

(204) 775-0181

A service utility offering timesharing services in scientific and engineering fields. Other services include financial planning and on-line management information systems such as A/R and inventory control. Computer(s): CDC Cyber 174

THE DMW GROUP, INC. 2020 Hogback Road Ann Arbor, Michigan 48104 Contact:

Bruce Wilson

(313) 971-5234

The DMW Group is a diversified telecommunications consulting firm specializing in the development of advanced software for network analysis and management, telephone cost allocation and control, and the optimization of the mix of long distance telephone services. Software packages include NDMS, Net Worker, TOP, and TELECOST.

Computer(s): IBM System 370/158

DTSS INCORPORATED Buck Road, Box 70

Hanover, New Hampshire 03755-0070

Contact:

Diane Haas

(603) 643-6600

DTSS is a general-purpose timesharing operating system which can provide interactive computing facilities with minimal response time lag for up to 300 simultaneous users. Initially designed for system developers, DTSS supports multiple file access methods and provides a number of development tools, including DaTaSyS, a state-of-the-art relational data base management system; MODEL, a powerful financial planning language; and DI-3000, an integrated system of device-independent graphics subroutines. In addition, DTSS offers five different system editors, concurrent background batch processing, several statistical and forecasting systems, and a rich language environment which includes BASIC, FORTRAN, COBOL, PLI/1, and others. Its high-powered billing system supports multiple rate schedules, royalty surcharging, session and project billing. DTSS Incorporated also offers interactive computing services at wholesale rates. The DTSS Associates Plan enables resellers to offer proprietary software or value-added services at their retail rates via the DTSS computing facility. In-house timesharing services groups can control costs and consolidate outside timesharing usage, with no additional hardware or hardware

maintenance, by using the Associates Plan to bring applications inside. Because the software system offered under the Associates Plan is identical to the licensed system, a DTSS Associate can build up usage on the DTSS interactive computing system, and then move in-house with no conversion problems.

Computer(s): Honeywell DPS8 Honeywell Series 6000 Honeywell Series 60 Level 166

DALGETY, INC. P.O. Box 5919 3055 Clearview Way San Mateo, California 94402

Ronald W. Winkler Hans A. Carter

Contact:

(415) 572-8000 Telex: 339513

General timesharing services. Software consulting services for financial applications. Systems available 24 hours per day, 365 days per year via a nationwide network—public and private.

Computer(s): (1) DEC VAX-11/780 & VMS operating system

(1) DEC VAX-11/750 Basic, Basic+2, Cobol, C, Fortran, Macro, and Pascal

(2) DEC PDP-11/70's RSTS/E operating system
Basic, Basic + 2, Macro

DATACROWN, INC. 650 McNicoll Avenue Willowdale, Ontario M2H 2E1 Canada

Contact:

Kathleen Seymour

(416) 499-1012

Datacrown is a network and information processing company servicing the United States and Canada. Services include Shared Processing, an alternative to in-house computing, with batch processing under MVS/XA and interactive processing with TSO, Wylbur and APL. Dedicated Processing is a service where Datacrown supplies and manages host processors for individual

client use. Streamline, another Datacrown offering, is a complete end-to-end network service where Datacrown can design, supply and manage a communications network to link mainframe, micro and mini computers. Specific application expertise exists in statistics, econometrics, project management, data base management systems, financial planning and graphics.

Computer(s): IBM System 3033 Attached Processor (1)

IBM System 3084Q (2)

IBM System 3081 (1)

IBM System 4381 (1)

IBM 3725 (5)

IBM 3705 (3)

CMT 3690 (5)

CMT 3670 (1)

DATA RESOURCES, INC. (DRI) 29 Hartwell Avenue Lexington, Massachusetts 02173

Contact: Gilbert M. Rodgers

(617) 863-5100

Specialists in information services to support corporate, strategic planning and research. DRI's services include national, sectoral, industrial and international forecasts, econometric models of these entities, model-building software, and numeric and text data bases, as well as general timesharing. DRI proprietary languages include EPS, TEXT, and DRISCAN. APL, FORTRAN, BASIC, and PL/1 are also supported. DRI also supports downloading of data to personal computers.

Computer(s): Burroughs B7800 (4) IBM System 4341

DATA TEK 1211 Chestnut Street, Sui

1211 Chestnut Street, Suite 400 Philadelphia, Pennsylvania 19107

Contact: Gus Mechalas

(215) 564-4133

Data Tek offers on-line services and turnkey computer systems, and programming consulting.

Computer(s): HP 3000 Series III Sigma 7

Siness • Technology • Medici CURRENT AFFAIRS . ELECTRONICS . PATEN PSYCHOLOGY . HUMANITIES . BUSINE EDUCATION · AGRICULTURE · CURRENT AFF TRADEMARKS · ECONOMICS · ENERGY · PSY FECHNOLOGY . MEDICINE . LAW . SCIENCE . CURRENT AFFAIRS . ELECTRONICS . PATEN PSYCHOLOGY . HUMANITIES . BUSINESS . DUCATION . AGRICULTURE . CURRENT AFI RADEMARKS . ECONOMICS . ENERGY . PS FECHNOLOGY . MEDICINE . LAW . SCIENCE CURRENT AFFAIRS • ELECTRONICS • PATEN PSYCHOLOGY • HUMANITIES • BUSINESS • T EDUCATION • AGRICULTURE • CURRENT AFF TRADEMARKS . ECONOMICS . ENERGY . PS TECHNOLOGY . MEDICINE . LAW . SCIENCE CURRENT AFFAIRS . ELECTRONICS . PATEN SYCHOLOGY . HUMANITIES . BUSINES EDUCATION · AGRICULTURE · CURRENT AFF rademarks . Economics . Energy . PSY *TECHNOLOGY • MEDICINE • LAW • SCIENCE* CURRENT AFFAIRS . ELECTRONICS . PA

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- Comprehensive training and documentation

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For more information contact:



3460 Hillview Avenue Palo Alto, CA 94304 800-227-1927 800-982-5838 in California DELPHI

General Videotex Corporation 3 Blackstone Street

Cambridge, Massachusetts 02139

Contact:

Kelly Thebodo,

(617) 491-3393

Consumer Services

Dan Bruns.

Business & Custom Services

General Videotex Corporation operates the DELPHI Information Utility and private networks using the DELPHI Information Utility Products. DELPHI includes electronic mail, teleconferencing, bulletin boards, financial information and brokerage services, special interests forums, travel services, research data bases, UPI News, home shopping, games and other services of interest to both professionals and consumers.

A lifetime DELPHI Membership package, which includes the easy-to-use handbook and two hours of evening usage, retails for \$49.95. The DELPHI Starter Kit (lifetime membership, command card, and an hour of usage) can be purchased at computer stores for \$29.95. Ongoing usage rates are \$6/hour during evenings and weekends and \$16/hour during business days. There is no extra charge for access at 1200 baud and no monthly minimum.

Private or custom information utilities using the DELPHI on-line products and facilities can be set up quickly and easily to fit the requirements of organizations and associations. Typical examples are professional interest groups, customer support networks, inter-office information exchange, and vertical market open networks.

Computer(s): DEC VAX

ITT DIALCOM, INC. 1109 Spring Street Silver Spring, Maryland 20910

Contact:

Sales Department

(301) 588-1572

ITT DIALCOM offers integrated communications and information retrieval services, featuring electronic mail and on-line data bases (AP & UPI newswires, ABI/ Inform, Official Airline Guide/Electronic Edition).

Computer(s): Prime 850

Prime 750 Prime 550

DIALOG INFORMATION SERVICES,

INC.

3460 Hillview Avenue Palo Alto, California 94304

Contact:

Dialog Marketing

(800) 227-1927 (800) 982-5838

(California)

The DIALOG information retrieval service is the world's leading on-line interactive information retrieval service. This service is available worldwide and is used by approximately 50,000 customers. DIALOG currently offers access to more than 200 data bases covering a variety of fields including science, engineering, medicine, patents, chemistry, business, industry, education, social sciences, and humanities.

DIALOG offers its customers access to a wide range of information: more than 190 million abstracts of published journal articles, conference proceedings, etc.; information about funding organizations and sources of grants; both historical data and forecasts of industries, products, and enduse data for all countries of the world. DIALOG is available on-line daily, over 120 hours per-week, and all data bases are available continuously.

Computer(s): NAS AS/9080 (2)

DIALOGUE, INC. 19 Rector Street

New York, New York 10006

Contact:

Abe Abelman

(212) 425-2665

Dialogue Inc. is a New York-based technology company that offers its own software and management consulting expertise to solve marketing, financial planning, and operational problems.

Dialogue currently offers the following software products, all of which run on Prime, VAX, DECSystem 20, IBM/TSO, and IBM/CMS computers.

ACCESS MARKETING ANALYSIS SYSTEM, a menu-driven, interactive marketing analysis system that integrates internal shipment data with syndicated data sources such as SAMI, Nielsen, Majers, and NABSCAN. ACCESS reports, complete with presentation quality charts and graphs, provide marketing managers with top-line or detailed information on: assessing promotions; monitoring pricing strategies; double-checking sales forecasts, and managing sales accounts. The ACCESS MARKETING ANALYSIS SYSTEM is a fully prompted system designed for easy use.

ANALECT DSS GRAPHICS is an intelligent, easy-to-use computer graphics system for general business users.

ANALECT DSS GRAPHICS combines sophisticated graphic technology with Decision Support System (DSS) capabilities.

ANALECT gives users the interactive ability to sort, select, and analyze massive amounts of data and distill it into clear presentation-quality charts. ANALECT command procedures can be saved for future use or for large production jobs. The system supports over 125 graphic devices.

ANALECT DSS GRAPHICS utilizes
Megatek Corporation's TEMPLATE
graphic technology. The functionality of a
complete FORTRAN graphics subroutine
library is available as interactive ANALECT
commands. No knowledge of programming
is needed.

ANALECT DSS GRAPHICS may be fully integrated into Dialogue's comprehensive ANALECT DECISION SUPPORT SYSTEM. This full system features other

decision support capabilities such as: statistical and multi-dimensional analysis; report writer; financial modelling; relational data base management system; and application building language.

ANALECT DECISION SUPPORT

SYSTEM is an interactive, comprehensive management and systems building tool for financial, sales, production, and marketing applications. ANALECT's powerful internal data base management system can handle vast quantities of information and consolidate it into meaningful data bases to meet the requirements of any corporate department. The data is organized in a Relational Data Base Management System.

ANALECT's range of capabilities include: multi-dimensional data analysis; worksheet modelling and "what if" computations; forecasting; multivariate analysis; arima modelling; a report writer; programming language for custom applications; and presentation quality business and custom graphics.

ANALECT's multiple interfaces support users from programmers to executives according to their own levels of computer skills. Executives are prompted along with on-line menus and HELP aids.

ANALECT's report writer feature customizes reports to an executive's specifications. Sophisticated routines to analyze marketing, financial or production trends are built into the system for easy use. In addition, ANALECT provides links to popular microcomputers and spreadsheets.

ANALECT is built in self-contained modules. All modules contain ANALECT's foundation of an interactive command language and basic data management. This foundation also includes calculations, DSS manipulations, display, file management, command sequences, and on-line user reference aids.

The ANALECT foundation may be combined with a single module, or a cluster, to create a smaller, single-function, standalone specialized system. The most popular of these ANALECT systems are:

ANALECT MULTI-DIMENSIONAL ANALYSIS, which allows a user to structure data to reflect the business environment and simplify many analytical and reporting requirements. Whole blocks of marketing, financial, or other data can be sliced, calculated, and queried with great flexibility.

ANALECT FORECASTING provides a wide array of analysis functions, including time-series analysis, regression and econometric modelling, seasonal and outlier adjustment and multivariate analysis.

ANALECT REPORTING AND
APPLICATIONS BUILDING allows a user to build specialized commands, menus, complex analysis and complete interactive applications for data bases of virtually unlimited size. Users can develop entire applications in a fraction of the time that programming languages require. It includes ANALECT/RIM, a report writer, a system building language, and the ANALECT foundation of DSS data management.

ANALECT/RIM is a new generation relational data base management system for query and reporting. It combines a simple data structure with powerful manipulation capabilities. All data bases can be queried, screened, merged, sorted and displayed. ANALECT/RIM requires no programming skills. It is available as an expansion module or as a part of the ANALECT REPORTING AND APPLICATION System.

ANALECT FINANCIAL MODELLING worksheets are made easier by advanced features such as prompted data entry, automatic handling of the time dimension and hierarchical consolidation of models and data. A menu-driven financial facility aids infrequent or novice users to ask "what if" questions, to consolidate models, and perform sophisticated goal-seeking or sensitivity analysis.

ANALECT software is available on trial purchase plan or through timesharing. Prices are available on request.

Computer(s): Prime
VAX
DECSystem 20
IBM/TSO and CMS

DIAL-TYME, INC. 2100 M Street, N.W. Washington, D.C. 20063

Contact:

Jerry Henwood

(202) 387-8963

Dial-Tyme offers on-line and off-line computer services and provides facilities management. Dial-Tyme is one of the largest general purpose computer services in downtown Washington. Applications emphasis is on data management and data base management, insurance, mathematics, and statistics.

Software available for customer use includes COBOL, FORTRAN, OS utilities, UCC's Tape Management System, SORT/MERGE, SYNC/SORT, and WYLBUR. Statistical users may use SPSS, SAS, TSP, TPL, and EASYTREVE.

Computer(s): IBM 4341 Group II IBM 158

DOW JONES & COMPANY, INC. P.O. Box 300 Princeton, New Jersey 08540

Contact:

Jon Rock

(609) 452-2000

Dow Jones & Company, Inc., publishers of the Wall Street Journal, Barron's National Business and Financial Weekly and Dow Jones News Service, offers Dow Jones News/Retrieval, a broad-based business, economic, financial, investment and general interest service. Dow Jones News/Retrieval features Business and Economic News, Dow Jones Quotes, Financial and Investment Service, and General News and Information. The Business and Economic News Service includes up-to-the-minute news from The Wall Street Journal, Barron's and the Dow Jones News Services, plus news and information covering the last 90 days. Highlights of each day's Wall Street Journal are available 6 a.m., Eastern Time. A weekly update of economic news and statistics is published at 6 p.m. Fridays. Dow Jones Ouotes offers current and historical prices for over 7000 stocks and other securities, and the Dow Jones Industrial, Transportation, Utility and Composite Averages.

Financial and Investment Services features profiles and extracts from SEC filings on 9000 companies; detailed financial information on over 3000 companies; corporate pershare earnings forecasts and weekly forecasts of major economic indicators.

General News and Information Services offers a complete 20-volume encyclopedia; The World Report, featuring national and foreign news from the wires of United Press International; sports and weather information, movie reviews, and transcripts of "Wall \$treet Week," the weekly PBS-TV show. MCI Electronic Mail and CompuServe Electronic Shopping Service. Dow Jones News/Retrieval can be readily accessed by standard terminals, personal computers, or communicating word processors via TYMNET from your home or office.

Computer(s): IBM System 4341 Model Group 2

DUN AND BRADSTREET 99 Church Street New York, New York 10207

Contact:

Joseph Plotnick (201) 665-5370 Telex: U.S.A. 136-533 DNBUSINTL

International 4754-287 DUNBR Dun and Bradstreet's Credit Services Division provides business information reports on more than 5.6 million business entities including Payment Analysis Reports and

Dun's Financial Profiles, Credit Clearing

House (apparel) and Dunsquest, an on-line searching method for identifying businesses with given financial characteristics.

Computer(s): IBM System 3081 Ouotron 801 Sigma 9

ELECTRONIC DATA SYSTEMS 1105 Kern Avenue

Sunnyvale, California 94086

Contact:

Ray Wyllie (408) 738-4300

ELECTRONIC DATA SYSTEMS CORPORATION

2150 North Prospect Avenue Milwaukee, Wisconsin 53202

Contact:

Chuck Wolf

(414) 276-6776

A general timesharing and batch processing facility, featuring a customized software development service in addition to a general purpose library of programs. Specialties include credit union processing, manufacturing, construction job accounting and insurance processing.

Computer(s): Burroughs B7800 (2)

ENERTECH COMPUTING CORP. 2600 Southwest Freeway, Suite 300

Houston, Texas 77098

Contact:

Hank Wedelich

(713) 521-9033

Enertech offers timesharing services and software specializing in programs for the design of oil and gas wells.

Computer(s): Prime

ENVIRONMENTAL RESEARCH & TECHNOLOGY, INC. (ERT) 696 Virginia Road

Concord, Massachusetts 01742

Contact:

Paul Iwanchuk

(617) 369-8910 Ext. 651

Specialists in environmental information services, ERT's services include environmental data base management, air and water environmental models, forecast and observed weather, climatic data bases, support for marine activities, and environmental consulting. General timesharing and facilities management services are offered. RATFOR, FORTRAN, PASCAL, and BASIC are available.

Computer(s): Data General MV/8000 Data General M/600 Data General S/250 Data General C/330

EUROPEAN SPACE AGENCY INFORMATION RETRIEVAL SERVICE Via Galileo Galilei, C.P. 64 00044 Frascati, Italy

Contact:

Georges A. Proca

(06) 94011 Telex: 610637 ESRIN I.

A major European on-line system offering access to more than 30 million references from some 60 scientific and technical data bases which include, for example, more than 6.5 million chemical references. Subjects covered include: aerospace, agriculture, aquatic sciences, astronautics, health sciences, biology, chemistry, computers, earth sciences, education, electricity, electronics, energy resources, engineering, environment sciences, management, medicine, oceanology, and Government reports. Both European and U.S.-originated files are treated. In addition to data bases and data banks, ESA-IRS offers:

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- Downloading
- Mikrotel, a high speed terminal package based on an IBM Xt microcomputer which can be used for upload, download, statistical data manipulation and other applications
- On-line/off-line data entry
- · Private file service

 Information Processing Utilities such as creation of menu driven data bases, creation of Computer Aided Instruction programs and others.

Its multilanguage software QUEST allows on-line data entry facilities for the creation and maintenance of private files, as well as on-line ordering of primary documents and customized current awareness services. The common command language of EURONET/DIANE is also supported. QUEST is on-line 20 hours a day, and all data bases are available continuously.

Computer(s): Two Siemens 7865

FINANCIAL DECISION SYSTEMS, INC. 28035 Dorothy Drive Agoura, California 91301

Contact:

Eric K. Marcus

(213) 706-2000

Financial Decision Systems, Inc., designs, develops, markets, and supports unique automated management information systems meeting corporate tax and financial needs. The company's clients are primarily large, diversified organizations.

FDSI was a pioneer in integrating a relational data base with a powerful yet easyto-use repertoire of commands permitting corporate decision makers to effectively analyze the myriad of alternatives and scenarios faced in today's fast-paced environment.

As of the end of fiscal 1983, more than 200 major corporations and financial institutions rely on FDSI software to meet their tax and financial needs. Supported by highly trained staff members in our Los Angeles, Chicago, and New York offices, FDSI meets the challenge of serving those needs with CORPTAX, CORPTAX CALENDAR, CPATAX CALENDAR, MICRO CORPTAX AND MICRO ASSET MANAGEMENT.

CORPTAX provides corporate management with an on-line interactive management information system that has powerful userfriendly commands, allowing evaluation of all relevant business alternatives. With one day's training, corporate tax and financial personnel with no prior data processing experience will be using CORPTAX's sophisticated integrated data base to easily produce tax compliance, modelling and planning reports. Automation through CORPTAX reduces the work load by maintaining current tax and financial logic while permitting easy modifications so that this logic will reflect specific corporate interpretations.

CORPTAX provides the necessary tools for effectively analyzing the impact of various strategies by accepting an unlimited number of "what if" case studies and planning scenarios. CORPTAX also includes a comprehensive tax accounting system. CORPTAX is the management information system that brings everything together.

CORPTAX CALENDAR for the corporate tax professional and CPATAX CALENDAR for the CPA are easy-to-use tools providing the means to supervise tax requirements. Their comprehensive capabilities enable the tax professional to concentrate on analytical tasks by automatically performing routine functions such as monitoring filing due dates, estimated payments, reporting requirements, alternatives for filing or extending, and historical fact finding.

The CORPTAX CALENDAR contains a comprehensive data base comprising major tax events for Federal and all fifty state returns. CORPTAX CALENDAR incorporates a sophisticated Master Calendar, maintained and continuously updated with applicable legal and regulatory changes by the staff of highly qualified tax and data processing professionals at Financial Decision Systems, Inc.

MICRO CORPTAX is a revolutionary tax planning and compliance system designed for stand-alone operation on a microcomputer. Complete with the tax logic for all fifty states as well as the Federal return, it features the ability to enter data on forms displayed on-line at your microcomputer screen in addition to producing the actual returns on a dot matrix or laser printer.

THE FUNCTIONALITY GROUP INC. 180 N. Michigan Avenue #1040 Chicago, Illinois 60601

Contact:

Roxiann Dwyer

(312) 372-6070 1 (800) 621-9155

The Functionality Group is a timesharing company known for its expertise in systems, the reliability of its equipment, and the professionalism inherent in all its services. The company also offers a financial modelling language, Execucom's IFPS (Interactive Financial Planning System), on a timesharing basis.

Computer(s): Prime

GIBSON INFORMATION SYSTEMS (GIS)

240 Fencl lane Hillside, Illinois 60162

Contact:

Floyd Nichols

(312) 449-5900

GIS is a full service data processing facility featuring large scale IBM architecture main frames. Remote batch processing, networking, and data base management systems are fully supported. A wide variety of utilities, command level processors and compilers are available, as well as development and production aids such as TSO, SPF, ADS, BMS-GT, KEYFAST, CFAST, MFAST, and UCON.

GIS provides systems and consulting for communications networks, specialized front-end handlers, software conversions, and facilities management.

Consulting services and proprietary software products are provided for the banking and financial industries, including: Account/Price Cost System, an on-line model for "what if" projection of interest earned/paid, fees for various accounts, cost accounting, PIL calculation, and a specialized report writer; Trust Control Fee Modelling, which is similar to the Account Price/Cost System, and includes Account Analysis with the ability to isolate and correct substandard fee accounts; Securities Movement and Control, which provides online control of trades in process – eliminating fanfold tickets and improving operation in the bank securities back office. Communications Software:

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Software: IBM MVS/SP, JES2, IMS, CICS, TSO, VTAM, PANVALET, SYNC-SORT, and FDR.

HDR SYSTEMS, INC. 8404 Indian Hills Drive Omaha, Nebraska 68114

Contact:

Steve Bixler

(402) 399-1400

A full service timesharing and data processing consulting firm offering interactive and batch processing and extensive consulting resources. A large library of specialized applications programs include data base management, engineering, scientific, statistics, management, and graphics.

Computer(s): CDC Cyber 170 Model 730-2 HDR Noah, stand-alone data base machine DEC VAX 780

HARDY ASSOCIATES LTD.
P.O. Box 746
Edmonton, Alberta
T5J 2L4
Canada
Contact:
Terry A. Cox

(403) 436-2152

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Computer(s): DEC PDP-11/70

ICARUS CORPORATION One Central Plaza 11300 Rockville Pike Rockville, Maryland 20852

Contact:

Robert L. Steinberger (301) 881-9350 Telex: 908763 ICARUS ROVE

Since 1969 ICARUS has provided Early Project Control Systems and Services to the chemical, petrochemical, pharmaceutical, ore beneficiation and energy processing industries for preliminary design, cost estimating, and scheduling of process facilities. ICARUS' COST, SPAN, TSS, and ARCHES Systems can be readily accessed by standard terminals or personal computers via TYMNET from your own office.

Computer(s): Prime 750 Prime 400

INFO GLOBE 444 Front Street West Toronto, Ontario M5V 2S9 Canada

Contact: Rick Noble

(416) 585-5250 Telex: 06-219629

Info Globe is the on-line division of The Globe and Mail, Canada's national newspaper. The Info Globe data base contains the full text of The Globe and Mail from November 14, 1977 to the present. Today's newspaper is on-line by 7:00 a.m. Eastern Time every day. Also available from Info Globe is MARKETSCAN, which contains the past 200 days' stock quotations from

the Toronto, Montreal, Vancouver, Alberta, New York, and American exchanges. Info Globe's Canadian Financial Database contains annual reports from the top 500 companies in Canada.

Computer(s): Canada Systems Group

THE INFO CENTER TELELEARNING SYSTEMS, INC. 505 Beach Street San Francisco, California 94133

Contact:

Thomas E. White

(415) 928-2800

Margie Carlson

A major data base center providing direct connection to over 60 of the most popular files, ranging from electronic home services to business and information retrieval. THE INFO CENTER features auto dial capability to access The Source, CompuServe, Dow Jones, and other vendors, while including all sign-up fees in the original INFO CENTER package. Access UPI News Wires, Associated Press and the Official Airline Guide, or utilize field-specific courses, interactive seminars, and reference materials. This service is provided as a feature of TOTAL TELECOMMUNICA-TIONS: a complete communications package comprised of THE INFO CENTER, a 300 Baud auto dial - auto answer modem, and super intelligent software.

Computer(s): IBM PC Apple II Series Commodore 64

INFOMEDIA

801 Traeger Avenue, Suite 275 San Bruno, California 94066

Contact:

Sal Suniga

(415) 321-2682

Infomedia provides management control services.

Computer(s): DECSystem 2020

INFORMATION CONSULTANTS, INC. 1133 15th Street, NW Washington, D.C. 20005

Contact:

J.T. O'Brien

(202) 822-5200

ICI offers on-line text retrieval services tailored to your needs. HOST is ICI's data base service for information providers such as publishers, associations, government agencies, consulting firms and financial

Through the HOST Data Base Service, ICI offers a full range of cost-effective services for designing, implementing, operating, and maintaining on-line customized data bases. HOST services are easy to use when implemented and can be managed by persons with no computer experience.

Legal support services, VERSUS, allow a law firm involved in a large case to build a unique system to store and search the full text of all information, including transcripts, documents, exhibits, and decisions that you decide are relevant to your case.

Computer(s): Multiple DEC 2060's

INTERACTIVE DATA CORP. 486 Totten Pond Road Waltham, Massachusetts 02154

Contact:

Services

Corporate Marketing

(617) 890-1234

Interactive Data Corporation is the information services subsidiary of the Chase Manhattan Bank, N.A. Interactive Data maintains the largest financial and economic data bases commercially available, as well as analytical software for investment research and management, financial management, corporate and strategic planning, marketing, and treasury management. Interactive Data's products and services are accessible through micromainframe technology, as well as traditional timesharing.

Computer(s): Amdahl 470/V8 (3)

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LSW, INC. 8240 Professional Place Suite 215 Landover, Maryland 20785

Contact:

Maureen Reynolds

(301) 459-2323

LSW is a comprehensive computer services company located in the Washington, D.C. area, which provides an integrated set of applications software for correspondence management, word processing, mailing list maintenance, subscription fulfillment fundraising, marketing, accounting systems, and customized mailings.

LSW specializes in providing correspondence and mailing services for political, trade associations, and special interest organizations. Customized data base development is available for interactive access or contract batch maintenance. Sales of turnkey systems and applications software are also provided. Volume printing of correspondence and special forms is available on a wide variety of fonts, along with consultative services in the production management of fund-raising correspondence.

LSW offers unique capabilities in the production of federal, state, and local campaigns, as well as contributor reports meeting election reporting requirements mandated by public law. Custom programming for business applications is also available.

General timesharing services are available. Programming languages include: BASIC, COBOL, FORTRAN, and QUEO. Facilities include Xerox laser printers, letter quality printers, envelope printing, mailing services, and data streamer cassette tape conversions for Prime 2250.

Computer(s): Prime 750

Prime 850 Prime 550 Prime 2250 LAWRENCE BERKELEY LABORATORY Room 2232, Bldg. 50B One Cyclotron Road Berkeley, California 94720

Contact:

Eric Beals (415) 486-4000 xt. 5351

Via FTS: 451-5351

A general purpose scientific and engineering computer center operated for the U.S. Department of Energy, which is available to Federal authorzied users.

Computer(s): CDC 6400

CDC 6600

CDC 7600

LOCKHEED DATAPLAN, INC. 90 Albright Way

Los Gatos, California 95030

Contact:

Steve Bandich

(408) 866-7611

Lockheed DataPlan offers flight advisory service for pilots anywhere in the world. On-line services include JetPlan and MetPlan.

JETPLAN is an on-line interactive flight advisory system. Using a terminal (either portable or otherwise) a pilot can receive a computerized flight plan based on optimized routing using the most current weather information available coupled with the world's most sophisticated flight planning system. In addition, one can receive weather information, do route analysis, or receive information on airports around the world.

METPLAN is an on-line weather advisory system which offers weather briefings in either text or weather maps. Personalized weather briefings are offered on-line or offline by registered meteorologists on duty around the clock.

Off-line, DataPlan offers International Flight Services including reservations, permits, and information on services available anywhere in the world. It also offers OpsPlan, the stand-alone computerized aviation information management system. MacPlan is a derivative of JetPlan that was

designed by DataPlan for the special needs of the U.S. Airforce Military Airlift Command.

Computer(s): IBM System 4341 (dual) Univac 1100/70

M & R SERVICES, INC. 1326 5th Avenue, Suite 530 Seattle, Washington 98101

Contact:

Carl Peterson

(414) 786-8663

M & R Services provides actuarial data processing support to Milliman & Robertson, Inc., consulting actuaries, to our clients, and to other users. Applications include: ACTASYST, a life insurance system for calculating reserves and values, GAAP reserves, profit studies and simple projects, a health claim reserving system for group insurers, and pension evaluation software. We also offer general programming in APL, FORTRAN 77, BASIC, and COBOL. Some restrictions in access apply.

Computer(s): Harris Model 800 IBM 370/148

MJK ASSOCIATES 122 Saratoga Avenue, Suite 11 Santa Clara, California 95050

Contact: John L. Jennings

(408) 247-5102

A commodity data information service (CDIS). Daily commodity contract and currency futures for 57 major commodities. The open, high, low, close (settling), volume, open interest plus cash and selected indices are available at 13:45 Pacific time. 23 hours/day, 7 days/week. The on-line data base extends back to 1969. Subscribers use standard programs to obtain such information as spread sheets and histories, bar graphs, and moving averages. Customized programs can be created to research investment ideas, systematize trading guidelines, and test strategies. MJK's newest product, POISE (Portfolio Opportunities Investigated through Simulated Executions), is a

software package that allows its user to select a trading strategy, characterize its performance in the marketplace, and assess the risks and rewards of that performance. MJK's Data Retrieval Service, designed for the microcomputer owner equipped with an RS 232 communications interface, is completely user-controlled. One may download any part of any contract or cash data, or generate and maintain a portfolio for daily updates. Typical MJK users are financial advisors, commodity brokers, and individual traders, Tektronix 4662 plotter supported, Apple II, TRS-80 and other microcomputers supported.

Computer(s): HP 3000 Series III

MCDONNELL DOUGLAS COMMUNICATIONS SYSTEMS AND SERVICES, INC. (MDCSS) (Formerly Computer Sharing Services, Inc.) 7535 East Hampden Avenue, Suite 200 Denver, Colorado 80231

Contact:

Jim Ross (303) 695-1500

MDCSS offers interactive time sharing, remote batch, turnkey, and distributed processing applications primarily to the telecommunications industry but also to specialized areas like the investment banking industry. A large applications library is available to users that includes software systems for budgeting and purchasing, force planning and communications management, inventory, plotting and graphics, illumination engineering, financial modelling, bond management, and forecasting.

Computer(s): Honeywell 6600 Series (4)
VAX 11/780 (3)
Tandem NON-STOP II (1)
IBM 3033 (2)
IBM 3081 (9)
CDC Cyber 173 (1)
CDC Cyber 175 (3)
CDC Cyber 176 (1)

MARC ANALYSIS RESEARCH CORP. (MARC)

260 Sheridan Avenue, Suite 314 Palo Alto, California 94306

Contact:

Dr. F. Hatt

(415) 326-7511

MARC provides a general purpose finite element computer program covering capabilities for solving the widest spectrum of problems in structural analysis. The program has a large library of elements and an extensive selection of material behaviors, both linear and non-linear. Uses range from linear elastic analysis of 2 and 3-dimensional solids, shells, and beams, to applications in which non-linear material and geometric effects dominate and must be included in conjunction with sophisticated geometric modelling. Applications have included welding, low cycle fatigue of piping systems, post-buckling behavior steel liners in a containment vessel, and analysis from the smallest components to the largest structures.

Computer(s): Prime 550

MARTIN MARIETTA DATA SYSTEMS P.O. Box 13385-A

Orlando, Florida 32859

Contact:

Jim Goforth

A full service computer facility offering interactive timesharing and remote batch service. Text processing, data base management systems, and a wide range of utilities/compilers/command processors are also available.

Computer(s): 3084-Q (2)

3081-KX 3033-UP (3)

THE METHODIST HOSPITAL

Texas Medical Center 6565 Fannin Street Houston, Texas 77030

Contact: Karen King

(713) 790-2070

An on-line interactive system for filing and interpretation of pulmonary function data. Patient's demographic information and raw data is entered. Immediate printout of the values with predicted, percents of predicted, and complete interpretation is returned in chart-ready format.

Computer(s): IBM System 4341 Group 2 IBM System 3031

NATIONAL COMPUTER NETWORK OF CHICAGO

1929 North Harlem Avenue Chicago, Illinois 60635

Contact:

Len Bole

(312) 622-6666

A computer services firm offering major applications/software facilities for business, electrical engineering, finance, forecasting, graphics, linear programming, math/statistics, project control management, science, simulation, statistical analysis, text editors and formatters, times series and transportation. APL, BASIC, COBOL, FORTRAN, MACRO, and MAX BASIC.

Data bases offered include COMDAT, FISCAL, OPTDAT, and TICK. Also available are complete data bases on all securities and futures traded in the U.S. and accounting information on 1,700 publicly held companies.

Honeywell 1648

Computer(s): DECSystem 2060 (2) VAX 780

NATIONAL LIBRARY OF MEDICAL (NLM) 8600 Rockville Pike

Bethesda, Maryland 20209

Contact:

Barbara R. Sternick

(301) 496-1351

NLM's on-line information retrieval services in the health sciences are provided through a series of data bases, including a 500,000-citation file of references and abstracts of journal articles. Retrieval is by structured vocabulary or text word in article abstracts and titles.

For access, prior arrangements must be made by health institutions, profit and non-profit. Potential U.S. users apply through a Regional Medical Library. International access is based on special bilateral arrangements between the National Library of Medicine and non-U.S. countries.

Computer(s): IBM System 370/168 MP

NESHAMINY VALLEY INFORMATION PROCESSING

4850 Street Road Trevose, Pennsylvania 19049

Trevose, Pennsylvania Is

Contact:

Pamela Kolb

(215) 322-3829

NVIP, a wholly-owned subsidiary of Combined International Corporation, is an IBM-equipped remote computing company. NVIP offers non-preemptible, generalized interactive and batch processing computer services.

NVIP supports multiple IBM operating systems which house a complete library of software, including interactive monitors ROSCOE, WYLBUR, TSO, CMS and CICS, data base management facilities IDMS, IMS/DB and FOCUS, decision support tools for graphics, statistics, financial modelling and test processing, disk and tape management utilities and comprehensive list of language compilers and interpreters. These services are available through traditional timesharing, as part of a new service called RESOURCE MANAGEMENT SER-VICE (RMS). Similar to a facilities management, RMS provides clients with a dedicated CPU, located at NVIP's corporate data center and supported by our staff of dp professionals.

Remote access to NVIP's facilities is available worldwide via several communications networks including NVIP's NVNET (SNA).

Computer(s): 24M IBM 3033MP MVS 12M IBM 3033U VM 32M IBM 3081K MVS IBM System 370/158 (2) NEWSNET, INC. 945 Haverford Road Bryn Mawr, Pennsylvania 19010

Contact:

Linda G. Wark

(215) 527-8030

The 200+ data bases included on NewsNet are specialized business information products which provide strategic and tactical information for business management decision making. Subjects covered include: advertising and marketing, aerospace, automotive, building and construction, chemical, corporate communications, education, electronics and computers, energy, entertainment and leisure, environment, farming and food, finance and accounting, general business, government & regulatory, health and hospitals, international, investment, labor, law, management, manufacturing, metals and mining, office, politics, power generation, public relations, publishing and broadcasting, real estate, research and development, social sciences, taxation, telecommunications, and transportation. Users may scan headlines, read full text and perform free text searches.

NewsFlash service provides an electronic 'clipping service' which automatically searches all new material, including the UPI news wire and PR Newswire, for those stories that match predefined keywords for each user. The scope of the data base products ranges from newsletters and bulletin services to directories and books. Users also have the capability of using electronic mail to communicate with all participating publishers.

OCLC

Online Computer Library Center, Inc. 6565 Frantz Road Dublin, Ohio 43017

Contact:

Patricia Malloy-Christman (614) 764-6000 Telex: 810 339 2026

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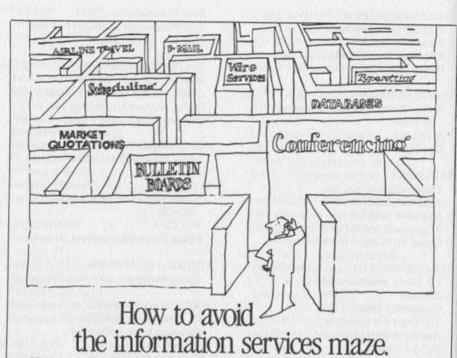
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Division

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Uni-Coll Corp.

HDR Systems, Inc.

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Interactive Data Corp.

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HEALTH CARE

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HYDRAULIC ENGINEERING

Pergamon InfoLine Inc. Pergamon InfoLine Ltd. Pergamon Press Canada Ltd. UCCEL Corporation

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National Computer Network of Chicago Uni-Coll Corp.

Information Consultants, Inc.

Statistical Tabulating Corp. Cybershare Ltd. Interactive Data Corp.

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DELPHI

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Weather Network, Inc.

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Bradford National Computer Services

Dial-Tyme, Inc.

Electronic Data Systems

Dun and Bradstreet

Electronic Data Systems Corporation

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MINING

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Statistical Tabulating Corp.

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Datacrown, Inc.

Cornell University

European Space Agency

HDR Systems, Inc.

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Sumex Computer Project

Cornell University

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ABS/Datanetwork

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HDR Systems, Inc.

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Toledo Timehsare, Inc.
Ross Systems, Inc. (RSI)
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Inc. (ERT)

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The Computer Company

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HDR Systems, Inc.

Hardy Associates Ltd.

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LSW, Inc.

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European Space Agency

WSI Corp.

The Computer Company

Newsnet, Inc.

Official Airline Guides, Inc. (OAG) Dialog Information Services, Inc.

Interactive Data Corp.

TRAVEL AGENCY SERVICES

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VOICE RESPONSE

Bridge Data Company

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Environmental Research & Technology, Inc. (ERT)

WEL Com

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Weather Network, Inc.

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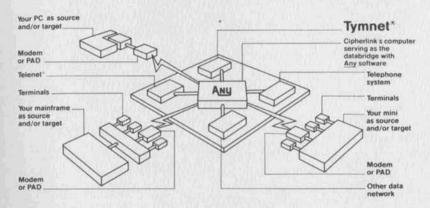
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