World
Software Tool & Die, Inc.
1330 Beacon St.
Brookline, MA 02146
(617) 739-0202
modem: (617) 739-WRLD (login: new)

Connection:	Log on to personal account through modem. Local dial-up connections outside the Brookline area are available using Compuserve Packet Network.
Network Services:	Full Internet services including e-mail, Telnet, FTP. Usenet newsgroups.
Other Services:	Information files, full text. Unix system (facilities for programming, etc.).
Continuing Costs:	$5/month plus $2/hour.
Special Rates:	Bulk rate $20/month for 20 hours of use; includes the monthly account fee. Trial offer 1 hour free.

Wyvern Technologies
1020 Raleigh Ave.
Norfolk, VA 23507
(804) 627-7837
modem: (804) 627-1828 (login: guest, password: guest)

Connection:	Log on to personal account through modem.
Network Services:	E-mail to and from Internet. Usenet newsgroups. Additional Internet services to be added.
Other Services:	Bulletin Board System (BBS). Unix system (facilities for programming, etc.).
Continuing Costs:	Start at $5/month.

Youngstown Free-Net
YSU Computer Center
410 Wick Ave.
Youngstown, OH
(216) 742-3075
modem: (216) 742-3072

Connection:	Log on to personal account through modem.
Services:	Free-net.
Costs:	None.

Sugar Land Unix
NeoSoft
Houston, TX
(713) 438-4964 (Mon - Fri 8 - 5 Central Time)
modem: (713) 684-7800

Connection:	Log on to personal account through modem.
Network Services:	Full Internet services including e-mail, Telnet, FTP.
Other Services:	Bulletin Board System (BBS) with Usenet newsgroups. Unix system (facilities for programming, etc.).
Continuing Costs:	$29.95/month. $9.95/month for access to BBS and Internet e-mail only.

Tri-State Online
Cincinnati Bell Telephone Company
Rm. 102-375
P.O. Box 2301
Cincinnati, OH 45201-2301
(513) 397-5533
modem: (513) 579-1990

Connection:	Log on to personal account through modem.
Network Services:	E-mail to and from Internet; Telnet.
Other Services:	Free-net. Bulletin Board System (BBS) with community information.
Costs:	None.

UUNET: see Alternet

WELL
27 Gate Five Rd.
Sausalito, CA 94965
(415) 332-4335 (9 am to 5 pm Pacific time)
modem: (415) 332-6106 (login: newuser)

Connection:	Log on to personal account through modem. Local dial-up connections throughout the U.S. available via Compuserve Packet Network (CPN).
Network Services:	Internet services including e-mail, Telnet, FTP.
Other Services:	Bulletin Board System (BBS).
Continuing Costs:	$15/month plus $2/hour. Additional charges for extra data storage. Compuserve Packet Network connection $4/hour.
Special Rates:	Trial: First 5 hours of connect time free.

Sesquinet
P.O. Box 1892
Mudd #230
Houston, TX 77251-1892
(713) 527-6038

Connection:	Direct Internet access through SLIP/PPP.
Network Services:	Full Internet services including e-mail, Telnet, FTP.
Costs:	Check with Sesquinet for current rates. Basic service includes Telnet and FTP; extra charge for e-mail service. Sesquinet is a mid-level network of the NSFNet.
Special Rates:	Check with Sesquinet for eligibility.

South Coast Computing Services, Inc.
P.O. Box 270249
Houston, TX 77277-0249
(713) 661-3301 (Mon-Fri 8 am - 4 pm)

Connection:	Log on to personal account through modem.
Network Services:	Full Internet services including e-mail, Telnet, FTP.
Other Services:	Unix system (facilities for programming, etc.).
Signup Costs:	$50 deposit, refundable after 4 months of timely payment.
Continuing Costs:	$3/hour, $10 monthly minimum.

Sprint
13221 Woodland Park Rd.
Herndon, VA 22071
(703) 904-2156

Connection:	SprintLink service is currently being planned for dial-up users.
Network Services:	Full Internet services including e-mail, Telnet, FTP.
Costs:	Will start at roughly $30/month for access to Telnet only. Higher charges for full Internet services.

PREPnet
305 S. Craig St., 2nd floor
Pittsburgh, PA 15213
(412) 268-7870
(412) 268-7878

Connection:	Direct Internet access through modem with SLIP/PPP. Connection services are intended for Pennsylvania businesses and nonprofit organizations.
Network Services:	Full Internet services including e-mail, Telnet, FTP. PREPnet is a mid-level network of the NSFNet.
Costs:	Membership in PREPnet starts at $1000/year. Costs for PREPnet equipment to support your connection start at $325/installation plus $40/month.

Performance Systems International (PSI)
11800 Sunrise Valley Drive, Suite 1100
Reston, VA 22091
(800) 82psi82
(703) 620-6651

Connection:	PSILink: Log on to personal account through modem. Local dial-up numbers available in over 150 North American cities.
Network Services:	Internet e-mail, FTP, Usenet news.
Other Services:	Mail message forwarding to pagers. PSI also offers Global Dial-Up Service for dialing up to a local number and connecting via Telnet to an account on another system; see information in the section "How to Get Dial-Up Access to the Internet."
Signup Costs:	$19.
Continuing Costs:	Start at $19/month for e-mail only; $29/month for e-mail, FTP, and Usenet news. Communications charges from local dial-ups on PSINet up to $6/hour, depending on caller's location.

Rock: see CONCERT

Panix
New York, NY
(212) 877-4854
(718) 965-3768
modem: (718) 832-1525 (login: newuser)

Connection: Log on to personal account through modem.
Network Services: Full Internet services including e-mail, Telnet, FTP.
Other Services: Unix system (facilities for programming, etc.).
Signup Costs: $40 for Internet access.
Continuing Costs: $10/month for basic access plus $9/month for Internet access.
Special Rates: Prepaid discounts: Basic access $100/year.

PeaceNet: see IGC Networks

Polari
Seattle Online
2318 2nd Ave. #45
Seattle, WA
(206) 328-2412
modem: (206) 328-4944

Connection: Log on to personal account through modem.
Network Services: E-mail to and from Internet. Usenet news groups.
Continuing Costs: $11/month.
Special Rates: Prepaid discounts $99/year.

Portal
20863 Stevens Creek Blvd., Suite 200
Cupertino, CA 95014
(408) 973-9111
modem: (408) 725-0561 (login for information: info;
login for help: help;
login for new user: new)

Connection: Log on to personal account through modem. Accessible from numerous local dial-up numbers through PC Pursuit, TYMNET, and SprintNet.
Network Services: Full Internet services including e-mail, Telnet, FTP.
Signup Costs: $19.95.
Continuing Costs: $13.95/month. $2.50/hour non-prime-time access through SprintNet.

ContinuingCosts: $300/year for e-mail only; start at $2100/year for full Internet services.
Special Rates: Under NYSERNet grants, K-12 schools may receive fully supported access.

NYX
University of Denver
Denver, CO
modem: (303) 871-3324

Connection: Log on to personal account through modem.
Network Services: E-mail, FTP, Usenet newsgroups. No Telnet service.
Costs: None.

OARnet
1224 Kinnear Rd.
Columbus, OH 43212
(614) 292-0700
(614) 292-8100

Connection: Log on to personal account through modem.
Network Services: Full Internet services including e-mail, Telnet, FTP. OARnet is a mid-level network of the NSFNet.
Signup Costs: $100.
Continuing Costs: $4/hour, $40/month minimum.

Old Colorado City Communications
2502 W. Colorado Ave. #203
Colorado Springs, CO 80904
(719) 632-4848
modem: (719) 632-4111

Connection: Log on to personal account through modem.
Network Services: Full Internet services including e-mail, Telnet, FTP.
Other Services: Unix system (facilities for programming, etc.). Bulletin Board System (BBS).
Signup Costs: $20 for e-mail only. $30 for full Internet services.
Continuing Costs: $10/month for e-mail only. $20/month for full services. First month's service included in signup cost.

Netcom
San Jose, CA
(408) 554-UNIX
modem: (408) 241-9760 (login: guest)

Connection:	Log on to personal account through modem. Direct Internet access through modem with SLIP/PPP also available. Local dial-up numbers in several areas in California. Accessible from other areas through PC Pursuit.
Network Services:	Full Internet services including e-mail, Telnet, FTP.
Other Services:	Unix system (facilities for programming, etc.)
Signup Costs:	Start at $15.
Continuing Costs:	Start at $17.50/month. Additional charges for over 50 hours/month prime-time use or for data storage over set limits.

New Mexico Technet
4100 Osuna Blvd. NE, Suite 103
Albuquerque, NM 87109
(505) 345-6555

Connection:	Log on to personal account through modem. Connection through 800 number available. This is a service for New Mexico residents.
Network Services:	Full Internet services including e-mail, Telnet, FTP.
Other Services:	Access to New Mexico Technet databases.
Continuing Costs:	Start at 40¢/minute.

NIX Depot: see Jabber

NYSERNet, Inc.
111 College Place
Syracuse, NY 13244
(315) 443-4120

Connection:	Log on to personal account through modem.
Network Services:	Full Internet services including e-mail, Telnet, FTP. Accounts with e-mail only are also available. NYSERNet is a mid-level network of the NSFNet.
SignupCosts:	$75 for e-mail only; start at $250 for full Internet services.

MV Communications, Inc.
P.O. Box 4963
Manchester, NH 03108-4963
(603) 429-2223
modem: (603) 429-1735 (login for general information: info, password: info;
login for current rates: rates, password: rates)

Connection:	UUCP connection through modem; contact MV for information on communications software that will support UUCP.
Network Services:	E-mail to and from Internet. Usenet news groups. FTP via e-mail.
Other Services:	Bulletin Board System (BBS). Unix system (facilities for programming, etc.).
Continuing Costs:	Start at $7/month for 1 hour/month or $20/month for 3 hours/month.
Special Rates:	Bulk rate $20/each additional 30 hours/month.

NEARnet
10 Moulton St.
Cambridge, MA 02138
(617) 873-8730

Connection:	Direct Internet access through modem with SLIP. Higher-speed connections also available. Service is for organizations in New England.
Network Services:	Full Internet services including e-mail, Telnet, FTP. NEARnet is a mid-level network of the NSFNet.
Signup Costs:	Start at $1000 for equipment installation.
Continuing Costs:	Start at $250/month, including NEARnet membership.
Special Rates:	Some NEARnet members provide guest accounts to local K-12 schools. These accounts are handled through the members (e.g., universities) rather than through NEARnet itself.

Merit/Michnet
2901 Hubbard, Pod G
Ann Arbor, MI 48105
(800) 66-MERIT
(313) 747-4627

Connection:	Log on to personal account through modem.
Network Services:	Internet services including Telnet and FTP, but not e-mail. Service is useful mainly for Telnet access to an existing account on a Michigan computer. Contact Michnet or other Internet service providers in Michigan for information on getting a personal account. Merit is part of the consortium that has been developing the NSFNet.
Signup Costs:	$40.
Continuing Costs:	Start at $35/month.
Special Rates:	Discounts for Michigan public libraries, K-12, Merit members and affiliates $10/month.

MRNet/Minnesota Regional Network
511 11th Ave. South, Box 212
Minneapolis, MN
(612) 342-2570

Connection:	Direct Internet access through modem with SLIP/PPP.
Network Services:	Full Internet services including e-mail, Telnet, FTP. MRNet is a mid-level network of the NSFNet.
Signup Costs:	$150.
Continuing Costs:	Start at $55/month.
Special Rates:	Additional accounts for the same organization are $5 less per month.

MSEN
628 Brooks St.
Ann Arbor, MI 48103
(313) 741-1120

Connection:	Log on to personal account through modem. Direct Internet access through modem with SLIP/PPP also available.
Network Services:	Full Internet services including e-mail, Telnet, FTP. Accounts with e-mail and Usenet news only are also available.
Continuing Costs:	Start at $20/month for e-mail and Usenet only. Start at $5/month plus $2/hour for full Internet services.
Special Rates:	Bulk use $20/month for 20 hours of full Internet service. Additional hours billed at $2/hour.

Lorain County Free-Net
P.O. Box 1682
Elyria, OH 44036
(216) 366-4200
modem: (216) 366-9721

Connection:	Log on to personal account through modem.
Services:	Free-net.
Costs:	None.

M-Net/Arbornet
P.O. Box 7938
Ann Arbor, MI 48107-7938
(313) 996-2663
modem: (313) 996-4644

Connection:	Log on to personal account through modem.
Network Services:	E-mail to and from Internet. Usenet news groups.
Other Services:	Bulletin Board System (BBS). Unix system (facilities programming,etc.).
Continuing Costs:	Start at $5/month for members, $12/month for patrons. Patrons have access to more facilities.
Special Rates:	Start at $100/year for patrons.

MCI Mail
1133 19th St. NW
Washington, D.C. 20036
(800) 444-6245

Connection:	Log on to personal account through modem. Connection is through 800 number.
Network Services:	E-mail to and from Internet.
Continuing Costs:	$35/year plus per-message charges starting at 50¢ for short mail items.

Network Services: E-mail to and from Internet.
Other Services: The IGC networks (EcoNet, PeaceNet, and ConflictNet) provide on-line services including worldwide bulletin boards on topics of ecology, peace, and conflict resolution.
Signup Costs: $15.
Continuing Costs: $10/month includes 1 free hour/month. Additional connection time $10/hour 7 am - 6 pm, $5/hour 6 pm - 7 am.

Jabber (*NIX Depot)
Bux Technical Services
P.O. Box 110
Doylestown, PA 18901
modem: (215) 348-9727

Connection: Log on to personal account through modem.
Network Services: E-mail to and from Internet. Usenet news.
Other Services: Bulletin Board System (BBS) for Unix users.
Continuing Costs: Contact Jabber for current monthly rates.

JvNCnet
Princeton University
B6 von Neumann Hall
Princeton, NJ 08544
(609) 258-2400

JvNCnet was a mid-level network of the NSFNet. Its service described below has spun off from Princeton University. Its staff can be contacted at the "old" numbers, but it is moving and will now be called Global Enterprise.

Connection: Log on to personal account through modem. Connection available from local dial-up sites throughout the Northeastern U.S. Higher-speed Internet connections also available. Direct Internet access through modem with SLIP/PPP also available.
Network Services: Full Internet services including e-mail, Telnet, FTP.
Signup Costs: Start at $36 for Telnet only, $36 for mail and news only, $99 for full Internet access.
Continuing Costs: Start at $19/month for Telnet only, $19/month for mail and news only, $99/month for full Internet access. Connection through 800 number $10/hour.

Other Services: Free-net. Bulletin Board System (BBS) with community information.
Costs: None.

Holonet
46 Shattuck Square, Suite 11
Berkeley, CA 94705-1152
(510) 704-0160
modem: (510) 704-1058

Connection: Log on to personal account through modem. Local dial-up connections outside the San Francisco Bay Area are available through PSINet.
Network Services: Full Internet services including e-mail, Telnet, FTP.
Continuing Costs: $6/month + $2/hour non-prime-time access. Data transfer and storage above set levels incur extra charges. Communications charges on HoloNet or PSINet up to $6/hour depending on caller's location.

IDS World Network
InteleCom Data Systems
P.O. Box 874
East Greenwich, RI 02818
(401) 884-7856
modem: (401) 884-9002
modem: (401) 785-1065

Connection: Log on to personal account through modem. Direct Internet access through modem with SLIP/PPP also available.
Network Services: Full Internet services including e-mail, Telnet, FTP.
Other Services: Bulletin Board System (BBS).
Continuing Costs: $10/month.
Special Rates: Prepaid discounts $50/6 months or $100/year.

IGC Networks
Institute for Global Communications
18 De Boom St.
San Francisco, CA 94107
(415) 442-0220

Connection: Log on to personal account through modem. Access through SprintNet or through IGC 800 number available for extra charges.

Continuing Costs: $4.95/month for GEnie account, plus per-message charges starting at 30¢ for short items, for each message sent to or received from an Internet address. Additional charges for special services and for access during weekday business hours.

Global Enterprise Services: see JvNCnet

Grebyn Corporation
P.O. Box 497
Vienna, VA 22183-0497
(703) 281-2194

Connection: Log on to personal account through modem.
Network Services: Full Internet services, including e-mail, Telnet, FTP.
Other Services: Unix system (facilities for programming, etc.)
Signup Costs: $30.
Continuing Costs: $1.20/hour ($30 monthly minimum). Extra charge for data storage over 1 megabyte.

Halcyon
P. O. Box 555
Grapeview, WA 98546-0555
(206) 426-9298
modem: (206) 382-6245 (login for Unix: new; login for BBS: bbs)

Connection: Log on to personal account through modem.
Network Services: Full Internet services including e-mail, Telnet, FTP.
Other Services: Bulletin Board System (BBS).
Costs: Contact Halcyon for current rates.
Special Rates: Prepaid discounts; inquire about discounts for organizations, K-12 students, etc.

Heartland Free-Net
406 Burgess
Bradley University
Peoria, IL 61625
(309) 677-2544
modem: (309) 674-1100

Connection: Log on to personal account through modem.
Network Services: E-mail to and from Internet. Telnet to other Free-Net systems.

Other Services: Bulletin board system (BBS). Check with local users' groups, computing-related newsletters, or colleges for BBSs near you that may have a FidoNet connection.
Costs: Vary according to the local BBS and its connection. Access to FidoNet BBSs is generally free, but e-mail may incur per-message charges.

Free-Nets: see Cleveland, Heartland, Lorain County, Tri-State Online, Youngstown. Additional Free-net systems are becoming available in many locations around the U.S. Some have limited Internet services while others do not; all offer useful community information.. Free-nets are included here whether or not they currently offer Internet services.

Gator

Northern Star Communications
P.O. Box 151
South Bend, IN 46624-0151
(219) 232-5497
modem: (219) 289-0282
modem: (317) 251-7391
Note: scheduled to move to Florida in May 1993.

Connection: Log on to personal account through modem.
Network Services: Full Internet services including e-mail, Telnet, FTP.
Other Services: Bulletin Board System (BBS). Unix system (facilities for programming, etc.).
Continuing Costs: $250/year including Internet access.

GEnie Information Services

401 N. Washington St.
Rockville, MD 20850
(800) 638-9636

Connection: Log on to personal account through modem.
Network Services: E-mail to and from Internet. FTP by posting a request for a file.
Other Services: Commercial multi-user system with its own on-line services.
Signup Costs: $2.00 to sign up for Internet mail access once you have a GEnie account.

ExecNet
Mt. Vernon, NY
(914) 667-2150
modem: (914) 667-4684
modem: (914) 667-4567

Connection:	Log on to personal account through modem.
Network Services:	E-mail to and from Internet. Usenet news groups.
Other Services:	Bulletin Board System (BBS).
Continuing Costs:	Start at $19/3 months without Usenet newsgroups. Start at $30/3 months with.
Special Rates:	Prepaid discounts start at $55/year, or $100/year with Usenet newsgroups.

Express Access
Digital Express Group, Inc.
6006 Greenbelt Rd., Suite 228
Greenbelt, MD 20770
(301) 220-2020
modem: (301) 220-0462 (login: new)
modem: (410) 766-1855 (login: new)

Connection:	Log on to personal account through modem. Local dial-up numbers available in D.C. and Baltimore. Access from other areas available through PC Pursuit.
Network Services:	Full Internet services including e-mail, Telnet, FTP.
Continuing Costs:	$15/month for Internet e-mail and Usenet newsgroups only. $25/month for full services including e-mail, FTP, Telnet. Includes 1 hour prime-time use daily, unlimited non-prime-time use. Additional prime-time use $1/hour. Extra charges for data storage over a set limit.
Special Rates:	Prepaid discounts $150/year mail and news only, $250/year for full Internet services.

FidoNet
No headquarters
(contact local
BBSs)

Connection:	Log on to personal account through modem.
Network Services:	E-mail to and from Internet.

Cyberspace Station
204 N. El Camino Real, Suite E626
Encinitas, CA 92024
(619) 944-9498 ext. 626
modem: (619) 634-1376 (login: guest)

Connection:	Log on to personal account through modem.
Network Services:	Full Internet services including e-mail, Telnet, FTP.
Other Services:	Unix system (facilities for programming, etc.).
Signup Costs:	$10 (waived if six-month account is prepaid).
Continuing Costs:	$15/month.
Special Rates:	Prepaid discounts $60/six months with no signup charge.

Dark Side of the Moon
P.O. Box 4436
Mountain View, CA 94040
(408) 732-1079
modem: (408) 245-7726 (login: new)

Connection:	Log on to personal account through modem.
Network Services:	E-mail to and from Internet. Usenet news groups.
Costs:	None.

DELPHI
1030 Massachusetts Ave.
Cambridge, MA 02138
(800) 695-4005 (Mon-Fri 8 am - 11 pm; Sat-Sun noon-8 pm)
(617) 491-3393 (same hours)
modem: (800) 365-4636 (login: joindelphi; password: internetsig)

Connection:	Log on to personal account through modem.
Network Services:	Full Internet services including e-mail, Telnet, FTP.
Other Services:	Commercial multi-user system, including bulletin boards and databases.
Continuing Costs:	Start at $13/month for 4 hours of use with Internet access; additional use $4/hour. Alternatively, $23/month for 20 hours of use with Internet access; additional use $1.80/hour; sign-up fee $9-$19 for 20-hour plan only.

Digex: see Express Access

EcoNet: see IGC Networks

Other Services: Unix system (facilities for programming, etc.).
Signup Costs: $35.
Continuing Costs: $1/hour (minimum $10/month).

Compuserve
P. O. Box 20212
Columbus, OH 43220
(800) 848-8990 (24 hours)
(617) 457-8600 (business hours)

Connection: Log on to personal account through modem.
Network Services: E-mail to and from Internet.
Other Services: Multi-user on-line system including bulletin boards (BBSs), file downloading, and other services. Compuserve Packet Network is also available for connecting to other Internet services.
Signup Costs: $39.95 for membership kit, including first month's use and a credit against use of special services.
Continuing Costs: $7.95/month; extra charge for some special services and databases. Includes an allowance of $9 in e-mail charges. Additional e-mail use over the allowance is 5¢/500 characters.

CONCERT
P. O. Box 12889
Research Triangle Park, NC 27709-2889
(919) 248-1999
(919) 248-1405

Connection: Log on to personal account through modem. Direct Internet access through modem with SLIP/PPP also available. Higher-speed Internet connections also available.
Network Services: Full Internet services including e-mail, Telnet, FTP. CONCERT is a mid-level network of the NSFNet.
Signup Costs: $100.
Continuing Costs: Start at $30/month.

ConflictNet: see IGC Networks

Continuing Costs: $150/year for one password, $50/year each additional, plus connectioncosts: $4.50/hour for local dial-up, $10.50/hour for dial-up through 800 number.

Cleveland Free-Net
CWRU Community Telecomputing Lab
319 Wickenden Building
Case Western Reserve University
Cleveland, OH 44106
(216) 368-2733
modem: (216) 368-3888

Connection: Log on to personal account through modem.
Network Services: Limited Internet services, including e-mail to and from the Internet,Telnet to a selection of other computers; Usenet news groups.
Other Services: Free-net. Bulletin Board System (BBS) with community information, full-text information files.
Costs: None.

Colorado Supernet
Colorado School of Mines
1500 Illinois
Golden, CO 80401
(303) 273-3471

Connection: Log on to personal account through modem. Direct Internet access through modem with SLIP/PPP also available. This is a service for Colorado residents. Local dial-up locations available in several Colorado cities.
Network Services: Full Internet services including e-mail, Telnet, FTP.
Signup Costs: Start at $20.
Continuing Costs: $2/hour 6 am - midnight; $1/hour midnight - 6 am. Maximum monthly charge $250.
Special Rates: Free one-month trial accounts for K-12 schools.

Community News Service
Colorado Springs, CO
(719) 579-9120
modem: (719) 520-1700 (login: new)

Connection: Log on to personal account through modem.
Network Services: Full Internet services including e-mail, Telnet, FTP.

Channel 1
P. O. Box 338
Cambridge, MA 02238
(617) 864-0100
modem: (617) 354-3230

Connection:	Log on to personal account through modem.
Network Services:	E-mail to and from Internet. Usenet news groups.
Other Services:	Bulletin Board System (BBS).
Continuing Costs:	Start at $40/3 months for network services only. Start at $45/3 month for BBS and network services.
Special Rates:	Prepaid discounts start at $140/year for BBS and network services.

CICnet
ITI Building
2901 Hubbard Drive, Pod G
Ann Arbor, MI 48105
(313) 998-6102

Connection:	Direct Internet access through modem with SLIP/PPP. Access by logging on to personal account is planned.
Network Services:	Full Internet services including e-mail, Telnet, FTP. CICnet is a mid-level network of the NSFNet.
Signup Costs:	Approximately $250 - $500 depending on account type.
Continuing Costs:	$35-$150/month.
Special Rates:	Discounts for libraries, non-profit organizations, and K-12 schools.

CLASS
1415 Koll Circle, Suite 101
San Jose, CA 95112-4698
(800) 488-4559
(408) 453-0444

Connection:	Provides connection to CERFnet's DIAL 'n CERF service through modem connection. Five local dial-up sites are available in California; an 800 number is available nationwide. Available only to CLASS member libraries; call CLASS for membership information..
Network Services:	Full Internet services including e-mail, Telnet, FTP.
Signup Costs:	CLASS membership $135/year.

BIX
General Videotex Corporation
Massachussetts
(800) 695-4775
(617) 354-4137
modem: (800) 225-4129 (7 data bits, 1 stop bit, even parity)
modem: (617) 861-9767

Connection:	Log on to personal account through modem. Local dial-up connections outside the (617) area are available through TYMNET.
Network Services:	E-mail to and from Internet.
Other Services:	BIX is the Byte magazine multiuser information system especially for computer-related topics, and has its own set of online services.
Continuing Costs:	$59/quarter. TYMNET communications charges $3/hour non-prime-time, $6/hour prime time, or a flat $25/month.
Special Rates:	$39/quarter for annual subscription.

CAPCON Library Network
1320 19th St., NW, suite 400
Washington, DC 20036
(202) 331-5771

Connection:	Log on to personal account through modem. Connection through 800 number available for libraries outside the DC - northern Virginia - suburban Maryland area. CAPCON services available to libraries.
Network Services:	Full Internet services including e-mail, Telnet, FTP.
Signup Costs:	$25.
Continuing Costs:	$75/year plus $20/month for 20 hours' monthly use.

CERFnet
P. O. Box 85608
San Diego, CA 92186-9784
(800) 876-CERF

Connection:	DIAL 'n CERF service: Direct Internet access through modem with SLIP/PPP. Higher-speed Internet connections also available. Access through 800 number available nationwide.
Network Services:	Full Internet services including e-mail, Telnet, FTP. CERFnet is a mid-level network of the NSFNet.
Signup Costs:	Start at $50.
Continuing Costs:	Start at $20/month plus $5/hour.
Special Rates:	Bulk use $250/month for unlimited hours of use.

AT&T Mail
5501 LBJ Freeway
Dallas, TX 75240
(800) 242-6005

Connection: Log on to personal account through modem.
Network services: E-mail to and from Internet.
Continuing Costs: $3/month plus per-message charges starting at 50¢ per mail item.

BARRNet
Pine Hall, Rm. 115
Stanford University
Stanford, CA 94305-4122
(415) 725-1790

Connection: Direct Internet access through modem with SLIP/PPP. Service is for research and educational organizations, including commercial research firms.
Network Services: Full Internet services including e-mail, Telnet, FTP. BARRNet is a mid-level network of the NSFNet.
Continuing Costs: Start at $1600 annual membership plus $400 annual hardware fee.

Big Sky Telegraph
Western Montana College
Box 11
Dillon, MT 59725-3598
(800) WMC-MONT (in Montana only)
(406) 683-7338
modem: (406) 683-7680

Connection: Log on to personal account through modem. This is a service for Montana residents.
Network Services: E-mail to and from Internet.
Other Services: Bulletin Board System (BBS) featuring community information and on-line classes.
Continuing Costs: $50/year for account with Internet e-mail.

Anomaly
Small Business Systems, Inc.
Rte. 104, Box 17220
Smithfield, RI 02917
(401) 273-4669
modem: (401) 455-0347 (login: newuser)

Connection:	Log on to personal account through modem. Direct Internet access through modem with SLIP/PPP also available.
Network Services:	Full Internet services including e-mail, Telnet, FTP.
Continuing Costs:	$30/month for commercial users; $15/month for educational users.
Special Rates:	Prepaid discounts $200/year for commercial users, $120/year educational users.

Anterior Technology
P.O. Box 1206
Menlo Park, CA 94026-1206
(415) 328-5615

Connection:	UUCP connection through modem; contact Anterior for information on communications software that will support UUCP.
Network Services:	E-mail to and from Internet. Usenet news groups. Service for e-mail retrieval of FTP files (no direct FTP).
Signup Costs:	$50.
Continuing Costs:	$30/month plus $1.95/hour.

AppleLink
Apple Computer, Inc.
P.O. Box 10600
Herndon, VA 22070-0600
(800) 776-2333 -- Apple Assistance Center, information on educational discounts
(408) 974-3309 -- Apple Online Services Helpline

Connection:	Log on to personal account through modem.
Network Services:	E-mail to and from Internet.
Other Services:	Bulletin Board System (BBS).
Signup Costs:	$70.
Continuing Costs:	Start at $12/hour; monthly minimum $12.
Special Rates:	Educational discounts.

Arbornet: see M-Net

Dial-Up Access Provider List

Alphabetic list

a2i communications
1211 Park Ave. #202
San Jose, CA 95126-2924
modem: (408) 293-9010 (login: guest)
modem: (408) 293-9020 (login: guest)

Connection:	Log on to personal account through modem.
Network Services:	Full Internet services including e-mail, Telnet, FTP. Usenet news at additional cost.
Other Services:	Unix system (facilities for programming, etc.).
Continuing Costs:	Start at $20/month.
Special Rates:	Prepaid discounts $72/6 months.

Alternet
UUNET Technologies, Inc.
3110 Fairview Park Dr., Ste. 570
Falls Church, VA 22042
(800) 4UUNET3
(703) 876-5050

Connection:	Direct Internet access through high-speed (over 9600 baud) modem. Higher-speed Internet connections also available. Local dial-up numbers are throughout the Continental U.S.
Network Services:	Full Internet services including e-mail, Telnet, FTP.
Signup Costs:	Start at $1500.
Continuing Costs:	Start at $250/month.

America Online
8619 West Wood Center Dr.
Vienna, VA 22182

Connection:	Log on to personal account through modem.
Network Services:	E-mail to and from Internet.
Other Services:	Commercial multiuser system with its own on-line services.
Continuing Costs:	Start at $6/month plus connect rate ($10/hour prime time).

normally available only for services that are otherwise accessible through direct dial-up and is designed to reduce connect time charges compared to the cost of a long-distance call to the service. Connections through SprintNet are billed by the service to which you connect and do not require a separate account with Sprint. Charges of $2.50 to $3 an hour are common.

bit. Have your modem dial (800) 848-4480, and type PHONES at the prompt.

Use of Compuserve Packet Network costs $5.60 per hour. It may be billed by your Internet service provider so that you do not need a separate account with Compuserve.

G-A Technologies, Inc.

P.O. Box 31474
Charlotte, NC 28231
(800) 377-DATA
(704) 334-DATA

Connects to bulletin board systems. Local dial-up numbers are available in major cities. Cost is $20 to sign up, plus an hourly rate starting at $4 per hour.

Performance Systems International

11800 Sunrise Valley Dr., Ste. 1100
Reston, VA 22091
(800) 82psi82
(703) 620-6651

Global Dialup Services provides Telnet connection to any computer on the Internet. About 150 local dial-up numbers nationwide. Cost for Global Dialup Service is $39 to sign-up plus $39 per month.

Connections to services other than PSI are billed by that service and do not require a separate account with PSI. Cost for connecting through PSI's network ranges from $.95 to $6/hour.

Sprint Communications

13221 Woodland Park Rd.
Herndon, VA 22071
(800) 736-1130

PC Pursuit service connects to many BBSs and some commercial Internet service providers. Cost is $30 to sign up, plus hourly or monthly charges; one plan costs $30/month for 30 hours of use.

A separate SprintNet service (formerly Telenet) offered in conjunction with specific service providers allows dial-up to local numbers nationwide for connection to that service. This is

Public data networks

Listed below are several telecommunications services that provide local dial-up numbers nationwide to connect you to an Internet service provider. These communications services are called ***public data networks***. They are public not in the sense of being free of charge, but in the sense of being openly accessible to anyone. The communications service charges its own additional fee, frequently an hourly charge such as $1 to $10 an hour.

You won't necessarily need to contact one of the public data networks even if you use it for all your Internet access. Many service providers are reached through these networks on a regular basis and simply include the network charges in the account billing for your Internet access.

Other Internet service providers will rely on you to arrange for long-distance access, and bill you only for actual use of your Internet account. For example, providers with a single modem-access telephone number may be listed in this section as accessible through PC Pursuit. Access through PC Pursuit could save you money, but it is up to you to arrange with Sprint for PC Pursuit service.

When in doubt, ask your Internet service provider whether access through a public data network is needed or advisable, and whether you or the provider will arrange for that access.

BT Tymnet, Inc.
2560 North 1st St.
San Jose, CA 95131
(800) 937-2862

Provides dial-up connections to several commercial systems and Internet service providers. Use is billed by the service provider. Local dial-up numbers nationwide; call Tymnet for a dial-up number near you.

Compuserve Information Service
P.O. Box 20212
Columbus, OH 43220
(800) 848-8990

Compuserve Packet Network connects to selected systems on the Internet. Local dial-up numbers are available nationwide. To find a number near you, set your computer's communications software to even parity, 7 data bits, and 1 stop

time your calls for those hours, and if you don't reach the help you need on your first call, be sure to try again.

Local and Distant Services

Local connections

Internet service providers in the U.S. are largely concentrated on the east and west coasts and near college towns. The charts at the end of this chapter give an overview of services based in different geographic locations.

Phone charges will be least expensive if you dial in to a service provider in your immediate area, but consider using another service provider farther away if there are no nearby providers, or if the providers in your area are too expensive or do not offer the services you need. Some services have dial-up telephone numbers for several different cities or areas so that you can be some distance from the service provider but still get access with a local telephone call. Check for service providers' geographic coverage in addition to location.

Long-distance connections

If a service provider is geographically distant from you, you have several options:

- connect through a phone number local to you, if that is provided
- connect through an 800 number, if provided
- connect through a public data network, if the service provider is accessible that way
- pay long distance phone charges.

For the first three options, check the listings in this section to see if these types of access are available for the service provider you prefer. If one service provider has headquarters several states away but can be reached through an 800 number, you may pay less to use that provider than to use one that is in your state but accessible only by long-distance phone calls. The last option is probably only worthwhile if you really need specific features of a long-distance provider, or if the only other providers available to libraries in your area cost the same for access.

NSF The National Science Foundation has several lists of networks and other organizations providing access to full Internet services. Its "limited-referral" list is devoted to dial-up access.

To get it:

send mail to:	info-server@nnsc.nsf.net
text of the mail:	request: nsfnet topic: limited-referral request: end

Using the Entries in This List

Telephone numbers listed are for voice telephone calls unless they are marked "modem." If a modem number is listed, you can usually dial it with your modem for a free demonstration login to try out the system, get more information about it, or register online for an account. Some systems will give you a message asking for a login ID or account, and possibly a password, when you dial up to them with a modem. Use the public login IDs and passwords shown in this list.

In your telecommunications program (e.g., Smartcom, ProComm, Kermit, MicroPhone II), try one of these settings for dialing up:

7 data bits, 1 stop bit, even parity, full duplex
(may be shown as 7E1 with echo ON in your program)

8 data bits, 1 stop bit, no parity, full duplex
(may be shown as 8N1 with echo ON in your program)

If one of these settings does not work, try the other; if you still have problems, use the regular telephone number (not the modem number) to call the staff at the service provider you're trying to reach. Bear in mind that in the case of bulletin board services (BBSs -- shown in the list below) only one or two people may run the whole service, and may be available only during early evenings to return your calls. In the case of some commercial multi-user systems or mid-level and larger networks, offices are open only during normal office business hours. In all cases, staff at these services are often very busy. In the following list, if specific hours are shown for calling staff,

accounts (see Chapter 2 for more information on SLIP). Some SLIP-only providers offer access for organizations rather than for individuals; others offer relatively low-cost SLIP service for individuals or small groups.

How to Get Current Lists of Providers

If you already have an account that has Internet e-mail, you owe it to yourself to check the current versions of several lists of service providers. Otherwise, you may miss out on an inexpensive new service near you.

Why? Because the following list is just a snapshot of what was available before this book went to press, and new Internet service providers are going into business every month or two. Existing service providers, too, are often adding dial-up service–especially mid-level networks that originally offered only high-speed connections.

There is no central repository of general information on all the places that offer Internet services, so just as the following list was culled from a variety of sources, your best bet for full information is to check several current provider lists. The three lists we found most helpful in compiling our list were:

PDIAL This focuses on systems that can be reached through dial-up *and* have full Internet access, including FTP and Telnet as well as e-mail.

To get it:

send mail to:	info-deli-server@netcom.com
subject:	Send PDIAL

nixpub This is a list of public-access Unix systems. These systems often have Internet e-mail, and many offer other Internet services as well.

To get it:

send mail to:	mail-server@bts.com
text of the mail:	get pub nixpub

Chapter 3: Internet Service Providers Offering Dial-Up Access

This chapter lists systems that:

- can be reached by dialing up through the telephone lines
- offer some level of Internet service (at a minimum, e-mail to and from the Internet).

It includes an alphabetic list of Internet service providers with short information about each. Following this list is a brief summary chart divided by type of provider: mid-level networks, which generally offer a full range of Internet services including Telnet and FTP as well as e-mail; non-profit and commercial networks that offer full Internet services; free-nets, which are community-based public-access systems offering various levels of Internet service; and service providers that offer e-mail but not full Internet services.

Cost and service information is included, but every month some of the costs change or new services are added. Check with the individual service providers to find out about current costs and services. Many of the service providers offer services of their own, such as local bulletin boards, in addition to Internet services.

Most service providers offer personal accounts to which you can dial up. A few–particularly NSFNet mid-level networks–offer dial-up access only with SLIP, and do not offer individual