

THE OFFICIAL ROADMAP to

<<<*THE INFORMATION SUPERHIGHWAY*>>>(Tm)

the Netsurfers Blessing

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PART TWO

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For Help on Help, Press F1

INTRODUCTION

With this book, you will be able to use the Information Superhighway to:

- = Stay in touch with friends, relatives and colleagues around the world, at a fraction of the cost of phone calls or even air mail.
- = Discuss everything from archaeology to zoology with people from around the world.
- = Tap into hundreds of information databases and libraries worldwide.
- = Retrieve any of thousands of documents, journals, books and computer programs.
- = Stay up to date with wire-service news and sports, and government weather reports.
- = Play live, "real time" games with dozens of other people at once.

For purposes of this book, you might want to think of the Information SuperHighway as a new technical combination of Telephone, Computers, soon Cable TV, all rolled up into a new kind of communications. There are currently about 30 million people connected to the Internet and its growing at a rate of about 10% per month. Thats another 3 million people or so joining it EACH MONTH.

ADVERTISEMENT

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Get involved in the dynamic industry of 900 "Interactive Voice Response" technology combined with "Fax on Demand" documentation "Automated Information Service".

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To get involved in this dynamic industry, take advantage of our offer to explore the possibilities of, this state of the art, "Interactive Voice Response" technology combined with "Fax on Demand" documentation "Automated Information Service".

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or send e-mail to DeanAtSwi@aol.com to consult with a 900 program specialist, about how to
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End of Advertisement.

In 1995 with the new version of Microsoft Windows, which has several new Internet devices connected to it, more on that later, the population of Internet Citizens will double, and triple by 1996! That means no fewer than 90 million people on the Internet in just over a year or two. If you have a small business, you need to find out how to address this new hi-tech market.

This newsletter will instruct how to get on the Information Superhighway, the Internet, How to use it as a beginner and then, after youve mastered the easy stuff, well be showing you how to find the most interesting and educational parts of the Internet, pointing out landmarks that can help you earn a living if you want to become part of this dynamic new form of electronic economy. Subscribe today, so that you can begin your learning adventure right away.

The Editors

How to advertise on the net

WE CAN PUT YOUR COMPANY ON THE MAP... THE MAP OF THE INFORMATION SUPERHIGHWAY. We are the NETCENTER, THE CENTER OF THE INTERNET.

This Official Roadmap to the Information Superhighway is only one way your products or services may be found.

We advertise on the INFORMATION SUPERHIGHWAY in several different ways.

1. If you have a catalog, let us put it on the Net. Triple your sales volume, reach millions of people at low cost.
2. If you have a product you can demonstrate, put it in our OnLine Trade Show, reach millions of people easily and demonstrate 24 hours a day, seven days a week.
3. If you have any other kind of business, give us a call, we have a place for you in the NETCENTER, the Center of the Internet.

YOU CAN GO TO THE NETCENTER AND CHECK US OUT.

Just point your URL to: <http://netcenter.com>

CALL (408) 423-8580 if you want to advertise on the Net.

THE INTER-ACTIVE YELLOW PAGES

The Inter-Active Yellow Pages is an excellent example of the use of the Information Superhighway. It can be found in the same place, hopefully, that you found this [VERBON](#), about the Information Superhighway. The File Name will be something like Yellow1.Zip or Yellow2.zip or Yellow3.zip . Since we update monthly, the latest number will be the latest monthly version of the Program. You can get a copy of the InterActive Yellow Pages with paid listings of companies with something special to offer you, by going to Compuserve: Winshare Forum, Lib 10, (Gen Win Apps), retrieve the file, YELLOWSX.ZIP x=latest version. Also, find the OnLine version by going Downtown Anywhere: by Lynx or Mosaic: [HTTP://www.awa.com](http://www.awa.com), or pick it up on America Online and soon, the E-World Online Service for the Macintosh Version. Someday, anybody whos anybody will have a listing in the INTERACTIVE YELLOW PAGES.

The InterActive Yellow Pages is a Directory of many thousands of E-mail address and non-InterNet addresses of companys who want your business. You can use this publication to research any topic from Travel to Health or Computer Upgrades. It is in the same format as this Electronic Book or VERBON, so you can find things very fast electronically by keeping the VERBON active on your Windows Desktop. Requires any version of Microsoft Windows to run.

Any company interested in the most modern and effective way to advertise should also look for this publication and call us to add your listing. Fees are nominal. To advertise either here in future versions of ROADMAP TO THE INFORMATION SUPERHIGHWAY or THE INTERACTIVE YELLOW PAGES. -- Call (408) 423-8580.

VERBON IS A NEW WORD FOR ELECTRONIC BOOK

WE define any electronic book or reference or magazine with any kind of InterActivity or input from the user as a Verbon. Websters dictionary has yet to add this word to their publication. As Verbons become more and more popular, they will do so.

PRINT THE ROADMAP

If you want to print the ROADMAP TO THE INFORMATION SUPERHIGHWAY

A VERY USEFUL POSTER & ROADMAP

TO PIN UP ON A WALL IN YOUR OFFICE, please follow these instructions.

1. [GO TO ROADMAP OF THE INFORMATION SUPERHIGHWAY.](#)
2. FROM MENU ABOVE - CLICK ON FILE, CLICK ON
PRINT TOPIC
3. PRINT PAGE
4. HANG ON THE WALL FOR FUTURE REFERENCE.

IN THIS FIRST ISSUE OF THE ROADMAP THERE IS ONLY ONE PAGE. WATCH FOR FUTURE
ISSUES WHICH WILL PRINT A LARGER AND LARGER MAP AS THE SUPERHIGHWAY IS
BUILT.

FOLLOW THE CONSTRUCTION OF THE

HOW TO BEGIN

Dial Ups

The Mosaic is a reader program that takes you anywhere on the World Wide Web and allows you to see the text as well as any graphics that have been posted by people anywhere. Look for a Mosaic Reader available on Compuserve and many other places for you to use.

FTP: File-transfer protocol -- access to scores of file libraries (everything from computer software to historical documents to song lyrics). You'll be able to transfer these files from the Net to your own computer.

Telnet: Access to databases, computerized library card catalogs, weather reports and other information services, as well as live, online games that let you compete with players from around the world.

Additional services that may be offered include:

WAIS: Wide-area Information Server; a program that can search dozens of databases in one search.

Gopher: A program that gives you easy access to dozens of other online databases and services by making selections on a menu. You'll also be able to use these to copy text files and some programs to your mailbox.

IRC: Internet Relay Chat, a CB simulator that lets you have live keyboard chats with people around the world.

Clarinet: News, sports, feature stories and columns from Universal Press International; Newsbytes computer news.

However, even on systems that do not provide these services directly, you will be able to use a number of them through telnet (see the TELNET chapter for more information on telnet). Systems marked "Unix" dump you right into Unix (a.k.a. "DOS with a college degree"). In most cases, this means you can also use the host system's various Unix functions. The other systems use menus, which are generally much easier for beginners to navigate -- they are just like menus in restaurants, in which you decide what you want from a list of options. Any unique features of a given system are noted. Some of these systems require you to use

parameters of 7-1-E, so if you get gibberish when you connect, try that. Most let you look around for awhile before you have to sign up.

Several of these sites are available nationwide through national data networks such as the CompuServe Packet Network and PC-Pursuit.

Please note that all listed charges are subject to change.

ALBERTA

Edmonton. PUCNet Computer Connections, (403) 484-5640. Unix. Log on as: guest.

Charges: \$20 a month for 20 hours of connect time, plus \$5 an hour for access to ftp and telnet; \$10 sign-up fee.

Voice help: (403) 448-1901.

CALIFORNIA

Berkeley. Holonet. For free trial, modem number is (510) 704-1058. Boardwatch online news, USA Today. For information or local numbers, call number below.

Charges: \$60 a year for local access, \$2 an hour during offpeak hours.

Voice help: (510) 704-0160.

Cupertino. Portal. Both Unix and menus. (408) 725-0561, 725-1724 or (408) 973-8091.

Charges: \$19.95 set-up fee, \$19.95 a month.

Voice help: (408) 973-9111.

Encinitas. Cyber Station, (619) 634-1376. Unix. Log on as: guest.

Charges: \$20 a month for one hour a day; \$10 setup fee.

Irvine. Dial N' CERF. See under San Diego.

Los Angeles. Dial N' CERF. See under San Diego.

Oakland. Dial N' CERF. See under San Diego.

San Diego. Dial N' CERF USA, run by the California Education and Research Federation. Provides local dial-up numbers in San Diego, Los Angeles, Oakland and Irvine. For more information, call voice (800) 876-CERF or (619) 534-5087.

Charges: \$20 a month plus \$10 an hour, with a one-time installation fee of \$50.

OUR PERSONAL FAVORITE AND ON THE MAP.

San Jose. Netcom, (510) 865-9004 or 426-6860; (408) 241-9760; (415) 424-0131, up to 9600 baud. Unix. Maintains archives of Usenet postings. Log on as: guest.

New users get a written guide to using Netcom and the Net in general. However, access to Net services beyond Usenet requires signature on a written "Network Agreement Form."

Charges: \$15 start-up fee and then \$17.50 a month for unlimited use if you agree to automatic billing of your credit-card account (otherwise \$19.50 a month for a monthly invoice).

Voice help: (408) 554-UNIX.

San Jose. A2i, (408) 293-9010. Unix. Log on as: guest.

Charges: \$20 a month; \$45 for three months; \$72 for six months.

Sausalito. The Whole Earth 'Lectronic Link (WELL), (415) 332-6106, up to 2400 baud. Uses moderately difficult Picospan software, which is sort of a cross between Unix and a menu system. New users get a written manual. More than 200 WELL-only conferences. Log on as: newuser.

Charges: \$15 a month plus \$2 an hour. Access through the nationwide CompuServe Packet Network available for another \$4.50 an hour.

Voice help: (415) 332-4335. Recorded message about the system's current status: (800) 326-8354 (continental U.S. only).

COLORADO

Colorado Springs. CNS, (719) 570-1700. Local calendar listings and ski and stock reports. USA Today. Users can chose between menus or Unix. Log on as: new.

Charges: \$1 an hour (minimum fee of \$10 a month); one-time \$35 set-up fee.

Voice help: (719) 579-9120.

Golden. Colorado SuperNet. Unix. E-mail to fax service. Available only to Colorado residents. Local dial-in numbers currently available in Ft. Collins, Denver/Boulder and Colorado Springs. For dial-in numbers, call the number below.

Charges: \$2 an hour (\$1 an hour between midnight and 6 a.m.); one-time \$20 sign-up fee.

Voice help: 303-273-3471.

ILLINOIS

Chicago. MCSNet, (312) 248-0900. Unix.

Charges: \$25/month or \$65 for three months of unlimited access; \$30 for three months of access at 15 hours a month.

Voice help: (312) 248-UNIX.

Peoria. Peoria Free-Net, (309) 674-1100. Similar to Cleveland Free-Net (see Ohio, below). Users can "link" to the larger Cleveland system for access to Usenet and other services. There are also Peoria Free-Net public-access terminals in numerous area libraries, other government buildings and senior-citizen centers. Contact the number below for specific locations. Full access (including access to e-mail) requires completion of a written application.

Charges: None.

Voice help: (309) 677-2544.

MARYLAND

Baltimore. Express Access, (410) 220-0462 or (301) 220-0462.
Unix. Log on as: new.

Charges: \$15 a month or \$150 a year for e-mail and Usenet; \$25 a month or \$250 a year for complete Internet services (FTP, telnet, IRC, etc.). This allows unlimited use between 3 a.m. and 3 p.m. and one hour between 3 p.m. and 3 a.m. Access to Usenet, e-mail and Unix shell only is \$15 a month/\$150 a year.

Voice help: (301) 220-2020.

MASSACHUSETTS

Brookline. The World, (617) 739-9753. Unix, but with a large number of understandable online help files. Huge collection of MS-DOS files, "Online Book Initiative" collection of electronic books, poetry and other text files.

Charges: \$5 a month plus \$2 an hour or \$20 for 20 hours a month. Available nationwide through the CompuServe Packet Network for another \$5.60 an hour.

Voice help: (617) 739-0202.

Lynn. North Shore Access, (617) 593-5774. Unix. Log on as: guest.

Charges: \$10 for a month for 10 hours; \$1 an hour after that.

Voice help: (617) 593-3110.

Worcester. NovaLink, (508) 754-4009. Unix. Log on as: info.
Charges: \$12.95 sign-up (includes first two hours); \$9.95 a month (includes five daytime hours), \$1.80 an hour after that.

Voice help: (800) 274-2814.

MICHIGAN

Ann Arbor. MSEN. Contact number below for dial-in number.
Unix.

Charges: \$5 a month and \$2 an hour, or \$20 a month for 20 hours.
Voice help: (313) 741-1120.

Ann Arbor. Michnet. Unix. Has local dial-in numbers in several
Michigan numbers. For local numbers, call voice number below.

Charges: \$35 a month plus one-time \$40 sign-up fee. Additional
network fees for access through non-Michnet numbers.

Voice help: (313) 764-9430.

NEW HAMPSHIRE

MV Communications, Inc. For local dial-up numbers call voice line
below. Unix.

Charges: \$5 a month minimum plus variable hourly rates depending on services used.
Voice help: (603) 429-2223.

NEW YORK

New York. Panix, (212) 787-3100. Unix or menus. Log on as:
newuser.

Charges: \$10 a month or \$100 a year; one-time \$40 fee.
Voice help: (212) 877-4854.

New York. Echo, (212) 989-8411. Unix and conferencing. Log
on as: newuser. Local conferences.

Charges: \$19.95 (\$13.75 students and seniors).
Voice help: (212) 255-3839.

New York. MindVox, (212) 988-5030. Log on as: guest. Local
conferences.

Charges: \$15 a month; \$10 set-up fee for non-credit card accounts.
Voice help: (212) 988-5987.

NORTH CAROLINA

Charlotte. Vnet Internet Access, (704) 347-8839. Unix. Log on
as: new.

Charges: \$25 a month or \$259 a year.
Voice help: (704) 374-0779.

Triangle Research Park. Rock Concert Net. Call number below for
modem number. Unix.

Charges: \$30 a month; one-time \$50 sign-up fee.

Voice help: (919) 248-1999.

OHIO

Cleveland. Cleveland Free-Net, (216) 368-3888. IRC. USA Today, Ohio and US Supreme Court decisions, historical documents, many local conferences. Full access (including access to e-mail) requires completion of a written application.

Charges: None.

Voice help: (216) 368-8737.

Cincinnati. Tri-State Free-Net, (513) 579-1990. Similar to Cleveland Free-Net. Full access (including access to e-mail) requires completion of a written application.

Charges: None.

Cleveland. Wariat, (216) 481-9436 (2400 baud); (216) 481-9425 (higher speeds). Unix, menus.

Charges: \$35 a month or \$200 for six months; \$20 sign-up fee.

Voice help: (216) 481-9428.

Lorain. Lorain County Free-Net, (216) 277-2359 or 366-9753.

Similar to Cleveland Free-Net. Users can "link" to the larger Cleveland system for additional services. Full access (including access to e-mail) requires completion of a written application.

Charges: None.

Voice help: (216) 366-4200.

Medina. Medina Free-Net, (216) 723-6732, 225-6732 or 335-6732. Users can "link" to the larger Cleveland Free-Net for additional services. Full access (including access to e-mail) requires completion of a written application.

Charges: None.

Youngstown. Youngstown Free-Net, (216) 742-3072. Users can "link" to the Cleveland system for services not found locally. Full access (including access to e-mail) requires completion of a written application.

Charges: None.

ONTARIO

Toronto. UUNorth. Call voice number below for local dial-in numbers. Unix.

Charges: \$25 for 20 hours a month of offpeak use.

Voice help: (416) 225-8649.

OREGON

Beaverton. Techbook, (503) 220-0636 (2400 baud); (503) 220-1016 (higher speeds).
Unix.

Charges: \$10 a month for 30 hours of "basic" Internet access or \$90 a year; \$15 a month for 30 hours of "deluxe" access or \$150 a year. \$10 sign-up fee for monthly accounts.

Portland. Agora, (503) 293-1772 (2400 baud), (503) 293-2059 (9600 baud). Unix. Log on as: apply

Charges: \$6 a month for one hour per day.

PENNSYLVANIA

Pittsburgh. Telerama, (412) 481-5302. Unix.

Charges: \$6 for 10 hours a month, 60 cents for each additional hour.

QUEBEC

Montreal. Communications Accessibles Montreal, (514) 281-5601.
Unix.

Charges: \$25 a month.

Voice help: (514) 923-2102.

RHODE ISLAND

East Greenwich. IDS World Network, (401) 884-9002. In addition to Usenet, has conferences from the Fidonet and RIME networks. Supports QMAIL offline reader, which lets you read and respond to messages while not online.

Charges: \$10 a month; \$50 for six months; \$100 for a year.

VIRGINIA

Norfolk. Wyvern Technologies, (804) 627-1828 (Norfolk); (804) 0662 (Peninsula). Unix.

Charges: \$15 a month or \$144 a year; \$10 sign-up fee.

Voice help: (804) 622-4289.

WASHINGTON, DC

The Meta Network. Call voice number below for local dial-in numbers. Caucus conferencing, menus.

Charges: \$20 a month plus \$15 sign-up fee.

Voice help: (703) 243-6622.

See also: listing under Baltimore, MD for Express Access.

WASHINGTON STATE

Seattle. Halcyon, (206) 382-6245. Users can choose between menus and Unix. Log on as: bbs.

Charges: \$10 a month for Usenet and e-mail; \$15 a month or \$150 a year for these and other Internet services (FTP, IRC, telnet, etc.).

Voice help: (206) 426-9298

Seattle. Eskimo North, (206) 367-3837 (2400 baud), (206) 362-6731 (9600/14.4K baud).

Charges: \$10 a month or \$96 a year.

Voice help: (206) 367-7457.

If you don't live in a city with a public-access site, you'll still be able to connect to the Net. Several of these services offer access through national data networks such as the CompuServe Packet Network and PC-Pursuit, which have dozens, even hundreds of local dial-in numbers across the country. These include Holonet in Berkeley, Calif., Portal in Cupertino, Calif., the WELL in Sausalito, Calif., Dial 'N CERF in San Diego, Calif., the World in Brookline, Mass., and Michnet in Ann Arbor, Mich. Dial 'N CERF offers access through an 800 number. Expect to pay from \$2 to \$12 an hour to use these networks, above each provider's basic charges. The exact amount depends on the network, time of day and type of modem you use. For more information, contact the above services.

Two other providers deliver Net access to users across the country:

Delphi, based in Cambridge, Mass., is a consumer-oriented network much like CompuServe or America On-Line -- only it now offers subscribers access to Internet services.

Charges: \$3 a month for Internet access, in addition to standard charges. These are \$10 a month for four hours of off-peak (non-working hours) access a month and \$4 an hour for each additional hour or \$20 for 20 hours of access a month and \$1.80 an hour for each additional hour.

For more information, call (800) 695-4005.

PSI, based in Reston, Va., provides nationwide access to Internet services through scores of local dial-in numbers to owners of IBM and compatible computers. PSILink, which includes access to e-mail, Usenet and ftp, costs \$29 a month, plus a one-time \$19 registration fee. Special software is required, but is available free from PSI. PSI's Global Dialup Service provides access to telnet for \$39 a month plus a one-time \$39 set-up fee. For more information, call (800) 82PSI82 or (703) 620-6651.

Peter Kaminski maintains a list of systems that provide public access to

Internet services. It's available on the network itself, which obviously does you little good if you currently have no access, but which can prove invaluable should you move or want to find a new system. Look for his "PDIAL" file in the alt.bbs.lists or news.answers newsgroups in Usenet (for information on accessing Usenet, (CLICK HERE TO [see the USENET](#)

the BLESSING

"As a net is made up of a series of ties, so everything in this world is connected by a series of ties. If anyone thinks that the mesh of a net is an independent, isolated thing, he is mistaken. It is called a net because it is made up of a series of interconnected meshes, and each mesh has its place and responsibility in relation to other meshes."

-- Buddha

HOW TO KEEP THE MAIL MOVING

----- KILLFILES

As you keep reading Usenet, you are going to run across things or people that really drive you nuts -- or that you just get tired of seeing.

Killfiles are just the thing for you. When you start your newsreader, it checks to see if you have any lists of words, phrases or names you don't want to see. If you do, then it blanks out any messages containing those words.

Such as cascades.

As you saw earlier, when you post a reply to a message and include parts of that message, the original lines show up with a > in front of them. Well, what if you reply to a reply? Then you get a >> in front of the line. And if you reply to that reply? You get >>>. Keep this up, and soon you get a triangle of >'s building up in your message.

There are people who like building up these triangles, or cascades. They'll "respond" to your message by deleting everything you've said, leaving only the "In message 123435, you said:" part and the last line of your message, to which they add a nonsensical retort. On and on they go until the triangle has reached the right end of the page. Then they try to expand the triangle by deleting one > with each new line. Whoever gets to finish this mega-triangle wins.

There is even a newsgroup just for such folks: alt.cascade. Unfortunately, cascaders would generally rather cascade in other newsgroups. Because it takes a lot of messages to build up a completed cascade, the targeted newsgroup soon fills up with these messages. Of course, if you complain, you'll be bombarded with messages about the First Amendment and artistic expression -- or worse, with another cascade. The only thing you can do is ignore them, by setting up a killfile.

There are also certain newsgroups where killfiles will come in handy because of the way they are organized. For example, readers of rec.arts.tv.soaps always use an acronym in their subject: line for the show they're writing about (AMC, for example, for "All My Children"). This way, people who only want to read about "One Life to Live" can blank out all the messages about "The Young and the Restless" and all the others (to keep people from accidentally screening out messages that might contain the letters "gh" in them, "General Hospital" viewers always use "gh:" in their subject lines).

Both nn and rn let you create killfiles, but in different ways.

To create a killfile in nn, go into the newsgroup with the offending messages and type a capital K. You'll see this at the bottom of your screen:

AUTO (k)ill or (s)elect (CR => Kill subject 30 days)

If you hit return, nn will ask you which article's subject you're tired of. Chose one and the article and any follow-ups will disappear, and you won't see them again for 30 days.

If you type a lower-case k instead, you'll get this:

AUTO KILL on (s)ubject or (n)ame (s)

If you hit your S key or just enter, you'll see this:

KILL Subject: (=/)

Type in the name of the offending word or phrase and hit enter. You'll then be prompted:

KILL in (g)roup 'eff.test' or in (a)ll groups (g)

except that the name of the group you see will be the one you're actually in at the moment. Because cascaders and other annoying people often cross-post their messages to a wide range of newsgroups, you might consider hitting a instead of g. Next comes:

Lifetime of entry in days (p)ermanent (30)

The P key will screen out the offending articles forever, while hitting enter will do it for 30 days. You can also type in a number of days for the blocking.

Creating killfiles in rn works differently -- its default killfile generator only works for messages in specific groups, rather than globally for your entire newsgroup list. To create a global killfile, you'll have to write one yourself.

To create a killfile in rn, go into the newsgroup where the offending messages are and type in its number so you get it on your screen. Type a capital K. From now on, any message with that subject line will disappear before you read the group. You should probably choose a reply, rather than the original message, so that you will get all of the followups (the original message won't have a "Re: " in its subject line). The next time you call up that newsgroup, rn will tell you it's killing messages. When it's done, hit the space bar to go back into reading mode.

To create a "global" kill file that will automatically wipe out articles in all groups you read, start rn and type control-K. This will start your whatever text editor you have as your default on your host system and create a file (called KILL, in your News

subdirectory).

On the first line, you'll type in the word, phrase or name you don't want to see, followed by commands that tell rn whether to search an entire message for the word or name and then what to do when it finds it.

Each line must be in this form

```
/pattern/modifier:j
```

"Pattern" is the word or phrase you want rn to look for. It's case-insensitive: both "test" and "Test" will be knocked out. The modifier tells rn whether to limit its search to message headers (which can be useful when the object is to never see messages from a particular person):

a: Looks through an entire message
h: Looks just at the header

You can leave out the modifier command, in which case rn will only look at the subject line of messages. The "j" at the end tells rn to screen out all articles with the offending word.

So if you never want to see the word "foo" in any header, ever again, type this:

```
/foo/h:j
```

This is particularly useful for getting rid of articles from people who post in more than one newsgroup, such as cascaders, since an article's newsgroup name is always in the header.

If you just want to block messages with a subject line about cascades, you could try:

```
/foo/:j
```

To kill anything that is a followup to any article, use this pattern:

```
/Subject: *Re:/:j
```

When done writing lines for each phrase to screen, exit the text editor as you normally would, and you'll be put back in rn.

One word of caution: go easy on the global killfile. An extensive global killfile, or one that makes frequent use of the a: modifier can dramatically slow down rn, since the system will now have to look at every single word in every single message in all the newsgroups you want to read.

If there's a particular person whose posts you never want to see

again, first find his or address (which will be in the "from:" line of his postings) and then write a line in your killfile like this:

```
/From: *name@address\.all/h:j
```

promo2

HOW TO HANDLE NEWSGROUPS

Newsgroups are groups of thousands of people interested in the same subject. You can learn lots from them. The way to handle them is to remember first that if you join more than one you are going to get tons of mail because every message from each of the thousands of members comes to you.

To avoid this subscribe to one or two at first, experiment with it to see if its what you expected and then unsubscribe to it when they are no longer useful, saving yourself much time and disk space.

The list of news groups can be obtained in our next issue. In that issue well have more info on how to subscribe or unsubscribe to any of them.

TELNET

TELNET

Hytelnet, at the University of Saskatchewan, is an online guide to hundreds of telnet sites around the world.

Telnet: access.usask.ca

Log in: hytelnet.

CONGRESS

The Library of Congress Information Service lets you search current and past legislation (dating to 1982).

Telnet: locis.loc.gov

Password: none needed.

When you connect, you'll get a main menu that lets you select from several databases, including the Library of Congress card catalog (with book entries dating to 1978) and a database of information on copyright laws.

For the congressional database, select the number next to its entry and hit enter. You'll then be asked to choose which legislative year to search. After that, a menu similar to this will come up:

***C103- THE LEGISLATIVE INFORMATION FILE FOR THE 103RD CONGRESS,
which was updated on 05/10/93 and contains 4,044 records,
is now available for your search.

CURRENCY: All information is NOT current through the above date, which is machine generated when ANY information is added to the file.
Bill numbers, official titles, sponsors, and status (STEP) added within 48 hours. Indexing terms and digests added later, in some cases several weeks after the bill is added to the file.

TO START	RETRIEVE to find:	EXAMPLES:
SEARCH:	member name ----->	retrieve rep gingrich
		retrieve sen kennedy
	bill number ----->	retrieve h.r. 1
	subject keywords ----->	retrieve day care

FOR HELP: Type the word HELP and press the ENTER key.

READY FOR NEW COMMAND:

Cleveland Free-Net. The first of a series of Freenets, this represents an ambitious attempt to bring the Net to the public.

Originally an in-hospital help network, it is now sponsored by Case Western Reserve University, the city of Cleveland, the state of Ohio and IBM. It uses simple menus, similar to those found on CompuServe, but organized like a city:

<<< CLEVELAND FREE-NET DIRECTORY >>>

- 1 The Administration Building
- 2 The Post Office
- 3 Public Square
- 4 The Courthouse & Government Center
- 5 The Arts Building
- 6 Science and Technology Center
- 7 The Medical Arts Building
- 8 The Schoolhouse (Academy One)
- 9 The Community Center & Recreation Area
- 10 The Business and Industrial Park
- 11 The Library
- 12 University Circle
- 13 The Teleport
- 14 The Communications Center
- 15 NPTN/USA TODAY HEADLINE NEWS

h=Help, x=Exit Free-Net, "go help"=extended help

Your Choice ==>

The system has a vast and growing collection of public documents, from copies of U.S. and Ohio Supreme Court decisions to the Magna Carta and the U.S. Constitution. It links residents to various government agencies and has daily stories from USA Today. Beyond Usenet (found in the Teleport area), it has a large collection of local conferences on everything from pets to politics. And yes, it's free!

Telnet: freenet-in-a.cwru.edu or
freenet-in-b.cwru.edu

Whole Earth 'Lectronic Link (WELL). Itself a major Net access point in the San Francisco area, the WELL is also a unique online community that maintains dozens of conferences on every imaginable topic (seven devoted just to the Grateful Dead). WELL users are intelligent and opinionated; discussions are often fast and furious. The Electronic Frontier Foundation was basically started in a series of online conversations on the WELL. Although it has a serious San Francisco flavor, it has users from across the country (enough to support both East Coast and Midwest conferences).

For its conferences, the WELL uses PicoSpan software, which presents messages differently than rn or nn. When you enter a conference, you can call up a list of "topics." Enter a topic number, and all of the messages start scrolling down the screen, sort of like the music on an old-fashioned player-piano. There is some online help, but new users are sent a written manual. See Chapter 2 for information on access charges (one advantage to connecting to the WELL through telnet is that unless you live in the Bay Area, it is likely to be much cheaper than other access methods).

Telnet: well.sf.ca.us

SUPREME COURT DECISIONS

The University of Maryland Info Database maintains U.S. Supreme Court decisions from 1991 on in its Government area.

Telnet: info.umd.edu

User name: info

FINGER

FINGER

This is a handy little program which lets you tell others more about you -- and which you can sometimes use to find out more about people whose names you see on the Net.

It uses the same concept as telnet or ftp. But it works with only one file, called .plan (yes, with a period in front). This is a text file you create with a text editor in your home directory. You can put your phone number in there, or your address, or anything at all.

To finger somebody else's .plan file, type this at the command line:

```
finger email-address
```

where email-address is the person's e-mail address. You'll get back a display that shows the last time the person was online, whether they've gotten any new mail since that time and what, if anything, is in their .plan file.

HOW TO FIND PEOPLE AND GET FOUND EASILY

FINDING SOMEONE ON THE NET

So you have a friend and you want to find out if he has an Internet account to which you can write? The quickest way may be to just pick up the phone, call him and ask him. Although there are a variety of "white pages" services available on the Internet, they are far from complete -- college students, users of commercial services such as CompuServe and many Internet public-access sites, and many others simply won't be listed. Major e-mail providers are working on a universal directory system, but that could be some time away.

In the meantime, a couple of "white pages" services might give you some leads, or even just entertain you as you look up famous people or long-lost acquaintances.

The whois directory provides names, e-mail and postal mail address and often phone numbers for people listed in it. To use it, telnet to
internic.net

No log-on is needed. The quickest way to use it is to type

whois name

at the prompt, where "name" is the last name or organization name you're looking for.

HOW TO FIND FILES

FTP FILE TRANSFER PROTOCOL

Hundreds of systems connected to Internet have file libraries, or archives, accessible to the public. Much of this consists of free or low-cost shareware programs for virtually every make of computer. If you want a different communications program for your IBM, or feel like playing a new game on your Amiga, you'll be able to get it from the Net.

File Name: First Internet Video Series

Date: Monday, November 21, 1994

Advertisement

Marketing Concepts & Strategies 888 8th Ave. Suite 9K New York,
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TO: Date: November 17, 1994

Subject: Internet Video Series - IBM & Mac.

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Advertisement

But there are also libraries of documents as well. If you want a copy of a recent U.S. Supreme Court decision, you can find it on the Net. Copies of historical documents, from the Magna Carta to the Declaration of Independence are also yours for the asking, along with a translation of a telegram from Lenin ordering the execution of rebellious peasants. You can also find song lyrics, poems, even summaries of every "Lost in Space" episode ever made. You can also find extensive files detailing everything you could ever possibly want to know about the Net itself. First you'll see how to get these files; then we'll show you where they're kept.

The commonest way to get these files is through the file transfer protocol, or ftp. As with telnet, not all systems that connect to the Net have access to ftp. However, if your system is one of these, you'll be able to get many of these files through e-mail (see the next chapter).

Starting ftp is as easy as using telnet. At your host system's command line, type

```
ftp site.name
```

and hit enter, where "site.name" is the address of the ftp site you want to reach. One major difference between telnet and ftp is that it is considered bad form to connect to most ftp sites during their business hours (generally 6 a.m. to 6 p.m. local time). This is because transferring files across the network takes up considerable computing power, which during the day is likely to be needed for whatever the computer's main function is. There are some ftp sites that are accessible to the public 24 hours a day, though. You'll find these noted in the list of ftp sites.

How do you find a file you want, though?

Until a few years ago, this could be quite the pain -- there was no master directory to tell you where a given file might be stored on the Net. Who'd want to slog through hundreds of file libraries looking for something?

Alan Emtage, Bill Heelan and Peter Deutsch, students at McGill University in Montreal, asked the same question. Unlike the weather, though, they did something about it.

They created a database system, called archie, that would periodically call up file libraries and basically find out what they had available.

In turn, anybody could dial into archie, type in a file name, and see where on the Net it was available. Archie currently catalogs close to 1,000 file libraries around the world.

Today, there are three ways to ask archie to find a file for you: through telnet, "client" Archie program on your own host system or e-mail. All three methods let you type in a full or partial file name and

will tell you where on the Net it's stored.

If you have access to telnet, you can telnet to one of the following addresses: archie.mcgill.ca; archie.sura.net; archie.unl.edu; archie.ans.net; or archie.rutgers.edu. If asked for a log-in name, type

archie

and hit enter.

When you connect, the key command is prog, which you use in this form:

prog filename

followed by enter, where "filename" is the program or file you're looking for. If you're unsure of a file's complete name, try typing in part of the name. For example, "PKZIP" will work as well as "PKZIP201.EXE." The system does not support DOS or Unix wildcards. If you ask archie to look for "PKZIP*," it will tell you it couldn't find anything by that name. One thing to keep in mind is that a file is not necessarily the same as a program -- it could also be a document. This means you can use archie to search for, say, everything online related to the Beetles, as well as computer programs and graphics files.

A number of Net sites now have their own archie programs that take your request for information and pass it onto the nearest archie database -- ask your system administrator if she has it online. These "client" programs seem to provide information a lot more quickly than the actual archie itself! If it is available, at your host system's command line, type

archie -s filename

where filename is the program or document you're looking for, and hit enter. The -s tells the program to ignore case in a file name and lets you search for partial matches. You might actually want to type it this way:

archie -s filename|more

which will stop the output every screen (handy if there are many sites that carry the file you want). Or you could open a file on your computer with your text-logging function.

The third way, for people without access to either of the above, is e-mail.

Send a message to archie@quiche.cs.mcgill.ca. You can leave the subject line blank. Inside the message, type

prog filename

where filename is the file you're looking for. You can ask archie to look up several programs by putting their names on the same "prog" line, like this:

```
prog file1 file2 file3
```

Within a few hours, archie will write back with a list of the appropriate sites.

In all three cases, if there is a system that has your file, you'll get a response that looks something like this:

```
Host sumex-aim.stanford.edu
```

```
Location: /info-mac/comm
```

```
FILE -rw-r--r-- 258256 Feb 15 17:07 zterm-09.hqx
```

```
Location: /info-mac/misc
```

```
FILE -rw-r--r-- 7490 Sep 12 1991 zterm-sys7-color-icons.hqx
```

Chances are, you will get a number of similar looking responses for each program. The "host" is the system that has the file. The

"Location" tells you which directory to look in when you connect to that system. Ignore the funny-looking collections of r's and hyphens for now. After them, come the size of the file or directory listing in bytes, the date it was uploaded, and the name of the file.

Now you want to get that file.

Assuming your host site does have ftp, you connect in a similar fashion to telnet, by typing:

```
ftp sumex-aim.stanford.edu
```

(or the name of whichever site you want to reach). Hit enter. If the connection works, you'll see this:

```
Connected to sumex-aim.stanford.edu.
```

```
220 SUMEX-AIM FTP server (Version 4.196 Mon Jan 13 13:52:23 PST 1992) ready.
```

```
Name (sumex-aim.stanford.edu:adamg):
```

If nothing happens after a minute or so, hit control-C to return to your host system's command line. But if it has worked, type

```
anonymous
```

and hit enter. You'll see a lot of references on the Net to "anonymous ftp." This is how it gets its name -- you don't really have

to tell the library site what your name is. The reason is that these sites are set up so that anybody can gain access to certain public files, while letting people with accounts on the sites to log on and access their own personal files. Next, you'll be asked for your password. As a password, use your e-mail address. This will then come up:

```
230 Guest connection accepted. Restrictions apply.
Remote system type is UNIX.
Using binary mode to transfer files.
ftp>
```

Now type

```
ls
```

and hit enter. You'll see something awful like this:

```
200 PORT command successful.
150 Opening ASCII mode data connection for /bin/ls.
total 2636
-rw-rw-r-- 1 0      31      4444 Mar  3 11:34 README.POSTING
dr-xr-xr-x 2 0      1      512 Nov  8 11:06 bin
-rw-r--r-- 1 0      0      11030960 Apr  2 14:06 core
dr--r--r-- 2 0      1      512 Nov  8 11:06 etc
drwxrwsr-x 5 13     22      512 Mar 19 12:27 imap
drwxr-xr-x 25 1016   31      512 Apr  4 02:15 info-mac
drwxr-x--- 2 0      31     1024 Apr  5 15:38 pid
drwxrwsr-x 13 0     20     1024 Mar 27 14:03 pub
drwxr-xr-x 2 1077   20     512 Feb  6 1989 tmycin
226 Transfer complete.
ftp>
```

Let's decipher this BUNCH OF GIBBERISH.

First, ls is the ftp command for displaying a directory (you can actually use dir as well, but if you're used to MS-DOS, this could lead to confusion when you try to use dir on your host system, where it won't work, so it's probably better to just remember to always use ls for a directory while online).

The very first letter on each line tells you whether the listing is for a directory or a file. If the first letter is a "d," or an "l", it's a directory. Otherwise, it's a file.

The rest of that weird set of letters and dashes consist of "flags" that tell the ftp site who can look at, change or delete the file. You can safely ignore it. You can also ignore the rest of the line until you get to the second number, the one just before the date. This tells you how large the file is, in bytes. If the line is for a directory, the

number gives you a rough indication of how many items are in that directory -- a directory listing of 512 bytes is relatively small. Next comes the date the file or directory was uploaded, followed (finally!) by its name.

Notice the README.POSTING file up at the top of the directory. Most archive sites have a "read me" document, which usually contains some basic information about the site, its resources and how to use them.

Let's get this file, both for the information in it and to see how to transfer files from there to here. At the ftp> prompt, type

```
get README
```

and hit enter. Note that ftp sites are no different from Unix sites in general: they are case-sensitive. You'll see something like this:

```
200 PORT command successful.
```

```
150 Opening BINARY mode data connection for README (4444 bytes).
```

```
226 Transfer complete. 4444 bytes received in 1.177seconds (3.8 Kbytes/s)
```

And that's it! The file is now located in your home directory on your host system, from which you can now download it to your own computer. The simple "get" command is the key to transferring a file from an archive site to your host system.

If the first letter on the line starts with a "d", then that is a directory you can enter to look for more files. If it starts with an "r", then it's a file you can get. The next item of interest is the fifth column, which tells you how large the item is in bytes. That's followed by the date and time it was loaded to the archive, followed, finally, by its name. Many sites provide a "README" file that lists simple instructions and available files. Some sites use files named "Index" or "INDEX" or something similar.

If you want to download more than one file at a time (say a series of documents, use mget instead of get; for example:

```
mget *.txt
```

This will transfer copies of every file ending with .txt in the given directory. Before each file is copied, you'll be asked if you're sure you want it. Despite this, mget could still save you considerable time -- you won't have to type in every single file name.

There is one other command to keep in mind. If you want to get a copy of a computer program, type

```
bin
```

and hit enter. This tells the ftp site and your host site that you are sending a binary file, i.e., a program. Most ftp sites now use binary format as a default, but it's a good idea to do this in case you've connected to one of the few that doesn't.

To switch to a directory, type

```
cd directory-name
```

(substituting the name of the directory you want to access) and hit enter. Type

```
ls
```

and hit enter to get the file listing for that particular directory. To move back up the directory tree, type

```
cd ..
```

(note the space between the d and the first period) and hit enter. Or you could type

```
cdup
```

and hit enter. Keep doing this until you get to the directory of interest. Alternately, if you already know the directory path of the file you want (from our friend archie), after you connect, you could simply type

```
get directory/subdirectory/filename
```

On many sites, files meant for public consumption are in the pub or public directory; sometimes you'll see an info directory.

Almost every site has a bin directory, which at first glance sounds like a bin in which interesting stuff might be dumped. But it actually stands for "binary" and is simply a place for the system administrator to store the programs that run the ftp system. Lost+found is another directory that looks interesting but actually never has anything of public interest in them.

Before, you saw how to use archie. From our example, you can see that some system administrators go a little berserk when naming files. Fortunately, there's a way for you to rename the file as it's being transferred. Using our archie example, you'd type

```
get zterm-sys7-color-icons.hqx zterm.hqx
```

and hit enter. Instead of having to deal constantly with a file called zterm-sys7-color-icons.hqx, you'll now have one called, simply, zterm.hqx.

Those last three letters bring up something else: Many program files are compressed to save on space and transmission time. In order to actually use them, you'll have to use an un-compress program on them first.

There are a wide variety of compression methods in use. You can tell which method was used by the last one to three letters at the end of a file. Here are some of the more common ones

and what you'll need to un-compress the files they create (and these decompression programs can all be located through archie).

.TXT By itself, this means the file is a document, rather than a program. .DOC is another common suffix for documents. No de-compression is needed, unless it is followed by

.Z This is a Unix compression method. To uncompress the file, type

uncompress file.name.Z

and hit enter at your host system's command prompt. If it's a text file, you can read it online by typing

zcat file.txt.Z | more

at your host system's command line. There is a Macintosh program called MacCompress that you can use on your machine if you want to download the file (use archie to find where you can get it!). There's an MS-DOS equivalent, often found as u16.ZIP, which means it is itself compressed in the ZIP format.

ZIP An MS-DOS format. Use the PKZIP package (usually found as PKZ201.exe or something similar).

.ZOO A Unix and MS-DOS format. Requires the use of a program called zoo.

.Hqx A Macintosh format that needs BinHex for de-compression.

.SHAR A Unix format. Use unshar

.tar Another Unix format, often used to compress several related files into one big file. Use tar. Often, a "tarred" file will also be compressed with the .Z method, so you first have to use uncompress and then tar.

.Sit A Macintosh format, requires StuffIt.

.ARC A DOS format that requires the use of ARC or ARCE.

A few last words of caution: Check the size of a file before you get it. The Net moves data at phenomenal rates of speed. But that

500,000-byte file that gets transferred to your host system in a few seconds could take more than an hour or two to download to your computer if you're using a 2400-baud modem. Your host system may also have limits on the amount of bytes you can store online at any one time. Also, although it is really extremely unlikely you will ever get a file infected with a virus, if you plan to do much downloading over the Net, you'd be wise to invest in a good anti-viral program, just in case.

FTP SITES

What follows is a list of some interesting ftp sites, arranged by category. With hundreds of ftp sites now on the Net, however, this list barely scratches the surface of what is available. Liberal use ofarchie will help you find specific files.

The times listed for each site are in Eastern time and represent the periods during which it is considered acceptable to connect.

AMIGA

ftp.uu.net Has Amiga programs in the systems/amiga directory.
Available 24 hours.

ATARI

atari.archive.umich.edu Find almost all the Atari files you'll ever need, in the atari directory.
7 p.m. - 7 a.m.

BOOKS

pit-manager.mit.edu The pub/usenet/rec.arts.books directories has reading lists for various authors as well as lists of recommended bookstores in different cities. Unfortunately, this site uses incredibly long file names -- so long they may scroll off the end of your screen if you are using an MS-DOS or certain other computers. Even if you want just one of the files, it probably makes more sense to use mget than get. This way, you will be asked on each file whether you want to get it; otherwise you may wind up frustrated because the system will keep Telling you the file you want doesn't exist (since you may miss the end of its name due to the scrolling problem).
6 p.m. - 6 a.m.

HOW TO HANDLE A GOPHER

GOPHERS, WAISs AND THE WORLDWIDE WEB

Even with tools like Hytelnet and archie, telnet and ftp can still be frustrating. There are all those telnet and ftp addresses to remember. Telnet services often have their own unique commands. And, oh, those weird directory and file names!

But now that the Net has become a rich repository of information, people are looking at ways to make it far easier to find all that data. Gophers and Wide-Area Information Servers (WAISs) are two programs that could ultimately make the Internet as easy to navigate as commercial networks like CompuServe or Prodigy.

Both programs essentially take a request for information and then scan the Net for it, so you don't have to. Both also work through menus -- instead of typing in some long sequence of characters, you just move a cursor to your choice and hit enter. Newer gophers even let you select files and programs from ftp sites this way.

Let's look at gophers first.

Many public-access sites now have gophers online. To use one, type

`gopher`

at the command line and hit enter. If you know your site does not have a gopher, or if nothing happens when you type that, telnet to

`consultant.micro.umn.edu`

At the log-in prompt, type

`gopher`

and hit enter. You'll be asked what type of terminal emulation you're using, after which you'll see something like this:

Internet Gopher Information Client v1.03

Root gopher server: `gopher.micro.umn.edu`

- > 1. Information About Gopher/
2. Computer Information/
3. Discussion Groups/
4. Fun & Games/
5. Internet file server (ftp) sites/
6. Libraries/

7. News/
8. Other Gopher and Information Servers/
9. Phone Books/
10. Search lots of places at the U of M <?>
11. University of Minnesota Campus Information/

Press ? for Help, q to Quit, u to go up a menu

Page: 1/1

Gophers are great for exploring. Just keep making choices to see what pops up. Play with it; see where it takes you. Some choices will be documents. When you read one of these and either come to the end or hit a lower-case q to quit reading it, you'll be given the choice of saving a copy to your home directory or e-mailing it to yourself. Other choices are simple databases that let you enter a word to look for in a particular database.

Notice that one of your choices is "Internet file server (ftp) sites." Choose this, and you'll be connected to a modified archie program -- an archie with a difference. When you search for a file through a gopher archie, you'll get a menu of sites that have the file you're looking for, just as with the old archie. Only now, instead of having to write down or remember an ftp address and directory, all you have to do is position the cursor next to one of the numbers in the menu and hit enter. You'll be connected to the ftp site, from which you can then choose the file you want, again just by making a choice in a menu.

You'll be asked for a name in your home directory to use for the file, after which the file will be copied to your home system. Unfortunately, this file-transfer process does not yet work with all public-access sites for computer programs and compressed files. If it doesn't work with yours, you'll have to get the file the old-fashioned way, via ftp.

Then hit your q key to quit, and gopher will ask you if you want to save the file in your home directory on your public-access site or whether you want to e-mail it somewhere.

WORLDWIDE WEB

Developed by researchers at the European Particle Physics Laboratory in Geneva, the Worldwide Web is somewhat similar to a WAIS. But it's designed on a system known as hypertext. Words in one document are "linked" to other documents. It's sort of like sitting with an encyclopedia -- you're reading one article, see a reference that intrigues you and so you flip the pages to look up that reference.

To try the Worldwide Web, telnet to

info.cern.ch

No log in is needed. When you connect, you'll see:

Welcome to CERN

The World-Wide Web: CERN entry point

CERN is the European Particle Physics Laboratory in Geneva, Switzerland.
Select by number information here, or elsewhere.

- | | |
|---------------------|--|
| Help[1] | About this program |
| World-Wide Web[2] | About the W3 global information initiative. |
| CERN information[3] | Information from and about this site |
| Particle Physics[4] | Other HEP sites with information servers |
| Other Subjects[5] | Catalogue of all online information by subject. Also:
by server type[6] . |

**** CHECK OUT X11 BROWSER "ViolaWWW": ANON FTP TO info.cern.ch in
/pub/www/src**

If you use this service frequently, please install this or any W3 browser on your own machine
(see instructions[7]). You can configure it to start

1-7, <RETURN> for more, Quit, or Help:

You navigate the web by typing the number next to a given
reference. So if you want to know more about the web, hit 2. This is
another system that bears playing with.

CLIENTS

If you are used to plain-vanilla Unix or MS-DOS, then the way these gophers and WAISs
work seems quite straightforward. But if you're used to a computer with a graphical interface,
such as a Macintosh, an IBM compatible with Windows or a Next, you'll probably regard their
interfaces as somewhat primitive.

There are, however, ways to integrate these services into your
graphical user interface. In fact, there are now ways to tie into the
Internet directly, rather than relying on whatever interface your
public-access system uses.

There is now a growing number of these "client" programs for
everything from ftp to gopher. PSI of Reston, Va., which offers
nationwide Internet access, in fact, requires its customers to use these
programs.

Using protocols known as SLIP and PPP, these programs communicate with the Net using
the same basic data packets as much larger computers online.

Beyond integration with your own computer's "desktop," client
programs let you do more than one thing at once on the net -- while your downloading a large
file in one window, you can be chatting with a friend through an Internet chat program in
another.

These client programs have a couple of disadvantages. One is that you'll need a 9600-baud modem -- while it is possible to connect to the Net with them at lower speeds, you will likely find them painfully slow. Not all public-access sites are set up to allow such connections. And those that are usually charge far more for them.

Your system administrator can give you more information on setting up one of these connections.

HOW ABOUT A LITTLE CHIT-CHAT

INTERNET RELAY CHAT

IRC is a program that lets you hold live keyboard conversations with people around the world. It's a lot like an international CB radio - it even uses "channels." Type something on your computer and it's instantly echoed around the world to whoever happens to be on the same channel with you. You can join in existing public group chats or set up your own. You can even create a private channel for yourself and as few as one or two other people. And just like on a CB radio, you can give yourself a unique "handle" or nickname.

IRC currently links host systems in 20 different countries, from Australia to Hong Kong to Israel.

Unfortunately, it's like telnet -- either your site has it or it doesn't. If your host system does have it, Just type

irc

and hit enter. You'll get something like this:

```
*** Connecting to port 6667 of server world.std.com
*** Welcome to the Internet Relay Network, adamg
*** Your host is world.std.com, running version 2.7.1e+4
*** You have new mail.
*** If you have not already done so, please read the new user information with
+/HELP NEWUSER
*** This server was created Sat Apr 18 1992 at 16:27:02 EDT
*** There are 364 users on 140 servers
*** 45 users have connection to the twilight zone
*** There are 124 channels.
*** I have 1 clients and 3 servers
MOTD - world.std.com Message of the Day -
MOTD - Be careful out there...
MOTD -
MOTD - ->Spike
* End of /MOTD command.
```

23:13 [1] adamg [Mail: 32] * type /help for help

You are now in channel 0, the null channel, in which you can look up various help files, but not much else. As you can see, IRC takes over your entire screen. The top of the screen is where messages will

appear. The last line is where you type IRC commands and messages. All IRC commands begin with a /. The slash tells the computer you are about to enter a command, rather than a message. To see what channels are available, type

```
/list
```

and hit enter. You'll get something like this:

```
*** Channel  Users  Topic
*** #Money   1      School CA$H (/msg SOS_AID help)
*** #Gone     1      ----->> Gone with the wind!!! ----->>>>
*** #mee      1
*** #eclipse  1
*** #hiya     2
*** #saigon   4
*** #screwed  3
*** #z        2
*** #comix    1      LET'S TALK 'BOUT COMIX!!!!
*** #Drama    1
*** #RayTrace 1      Rendering to Reality and Back
*** #NeXT     1
*** #wicca    4      Mr. Potato Head, R. I. P.
*** #dde^mhe` 1      no'ng chay? mo*? ...ba` con o*iiii
*** #jgm      1
*** #ucd      1
*** #Maine    2
*** #Snuffland 1
*** #p/g!     4
*** #DragonSrv 1
```

Because IRC allows for a large number of channels, the list might scroll off your screen, so you might want to turn on your computer's screen capture to capture the entire list. Note that the channels always have names, instead of numbers. Each line in the listing tells you the channel name, the number of people currently in it, and whether there's a specific topic for it. To switch to a particular channel, type

```
/join #channel
```

where "#channel" is the channel name and hit enter. Some "public" channels actually require an invitation from somebody already on it. To request an invitation, type

```
/who #channel-name
```

where channel-name is the name of the channel, and hit enter. Then ask someone with an @ next to their name if you can join in. Note that whenever you enter a channel, you have to include the #. Choose one with a number of users, so you can see IRC in action.

If it's a busy channel, as soon as you join it, the top of your screen will quickly be filled with messages. Each will start with a person's IRC nickname, followed by his message.

It may seem awfully confusing at first. There could be two or three conversations going on at the same time and sometimes the messages will come in so fast you'll wonder how you can read them all.

Eventually, though, you'll get into the rhythm of the channel and things will begin to make more sense. You might even want to add your two cents (in fact, don't be surprised if a message to you shows up on your screen right away; on some channels, newcomers are welcomed immediately). To enter a public message, simply type it on that bottom line (the computer knows it's a message because you haven't started the line with a slash) and hit enter.

Public messages have a user's nickname in brackets, like this:

If you receive a private message from somebody, his name will be between asterisks, like this:

For more information on using IRC, see the IRC command box. You can find discussions about IRC in the alt.irc newsgroup.

SOME INTERESTING PLACES ON THE NET

Book Stacks Unlimited, of Cleveland, Ohio a great addition to the Internet shopping mall. To connect: telnet books.com

Moe's Books of Berkeley, CA is an excellent used bookstore with over half a million titles specializing in rare, antiquarian, remainders and imported books. Available catalogs are photography, art monographs, fine press/literature and illustrated children's books. Contact them through email: moesbooks@delphi.com

Future Fantasy, a bookstore of science fiction, fantasy, mystery and horror, is now on the net. You can browse their catalog and place orders through the Web. Use the URL:

<http://www.commerce.digital.com/palo-alto/FutureFantasy/home.html>

+ Nebula Sci-Fi Bookstore is an alternative science fiction bookstore that is accessible through electronic mail. To receive a catalog, send mail to 'nebula@cam.org' with the message subject "catalog".

United Techbook Company of Longmont Colorado offers an online book service that encompasses over a million titles. You can connect, search for titles, and order books by using the command 'telnet utcbooks.com'

T
for titles, and order books by using the command 'telnet utcbooks.com'
with the account 'utc' (the password is also 'utc').

There are a number of specialty bookstores available through the Whole Earth 'Lectronic Link: type 'gopher gopher.well.sf.ca.us' and choose 'commercial services' to find FringeWare, Extreme Books (catalog also available via email at 'catalog@mailers.extremebooks.com') and Nebula Books, an online science fiction bookstore in Canada.

Powell's Technical of Portland, Oregon offers new, used, and antiquarian titles in fields including architecture, computing, communications, engineering, math, and physics. You can contact them through email: ping@technical.powells.portland.or.us

Infinity Link Network Services offers an online catalog of CDs, video tapes, books, and laserdisks, all by connecting via telnet to columbia.ilc.com - log in as 'cas' at the prompt. Alternatively, use gopher by typing 'gopher columbia.ilc.com'

////////////////////////////////////
FTP SITES!
 //////////////////////////////////////

For those of you who don't know how to FTP:

The command is like this:

To FTP Project Gutenberg...

`ftp mrcnext.cso.uiuc.edu`

Once you are prompted for a login, do this:

On a UNIX, type `anonymous`.

On a VAX, type `login anonymous`.

Your password is your email address. It's a courtesy to the FTP server to do this. Get used to it or make a macro.

List the contents of directories by hitting `'ls'` or `'dir'`.

If you use `'dir'`, you can tell which are directories by looking at the far left. If the first letter at the far left is a `d`, it's a directory.

Otherwise, it's a file.

Change directories by hitting `'cd directoryname'`, where `directoryname` is the name of the directory.

To get a non-text file (`.ZIP`, `.Z`, `.sea`, `.LHA`, `.tar...`), type `bin` before the next step.

To get a file from the server to your account, type `get filename`.

Sometimes it takes a while. That's life.

Getting it from your account to your computer is someone else's problem.

:)

`ftp mrcnext.cso.uiuc.edu`

Project Gutenberg. The project is trying to distribute 1 trillion volumes within a decade. Dozens of books have already been translated into plain-vanilla text. Files are in `/pub/etext`.

`ftp world.std.com`

Online Book Initiative in `/obi`. Another very big site for text files.

All sorts of classic books and information.

Also, the Online Bookstore in `/OBS`. This will soon become a commercial service where you pay for new books in plain-text form.

`ftp wiretap.spies.com`

Just look around. It's pretty self-explanatory.

`ftp ftp.eff.org`

The Electronic Frontiers Foundation site. Lots of text files on the organization and legal questions about cyberspace.

`ftp sound.usach.cl`

A buncha sound files, cross-platform.

`ftp ftp.microsoft.com`

Home of the MS-DOS 6.2 Step-Up (`peropsys/msdos/msdos6.2/stepup.exe`), as well as documentation on several Microsoft products.

ftp software.watson.ibm.com
Much the same as Microsoft's, but aiming more at OS/2.

ftp ftp.apple.com
Mac and A/UX stuff.

ftp ftp.novell.com
Unixware and NetWare.

ftp ftp.wordperfect.com
Drivers and add-ons for WordPerfect products.

####ftp chop.isca.uiowa.edu
The ISCA BBS Client is in /bbs-client/unix or /bbs-client/vax.

////////////////////////////////////
GOPHER!

////////////////////////////////////
Gopher is a graphical interface for the Internet. If you're new to the Net, learn the Gopher tricks. You'll be glad you did.
Many machines already have gopher clients built in. To see if yours does, try this:
gopher consultant.micro.umn.edu
If you don't have Gopher, you can use these to get in:
telnet consultant.micro.umn.edu, login gopher
telnet rs.internic.net

Special thanks to Gopher goddess Sue Steele for her assistance.

gopher consultant.micro.umn.edu
The first Gopher and the home of the Gopher project.

gopher info.monash.edu.au
Full of neat Gopher tricks. Look around a bit.

gopher mtv.com
Actually, it's Adam Curry's machine, not MTV's, but who cares?
It has lots of rock news and trivia.

gopher gopher.ora.com
O'Reilly and Associates site. Info on their Internet and other books.

gopher skynet.usask.ca
Go immediately to the Wrong Side of the Tracks. Do not pass go.

[gopher gopher.loc.gov](http://gopher.loc.gov)

Library of Congress Gopher. Plenty of American government information, including LOCIS access.

[gopher ietf.cnri.reston.va.us](http://gopher.ietf.cnri.reston.va.us)

Even more American political information, with press briefings and Executive Orders online.

[gopher debra.dgbt.doc.ca](http://gopher.debra.dgbt.doc.ca)

Canadian Gopher. Access to several Canadian information servers.

[gopher gopher.nlc-bnc.ca](http://gopher.gopher.nlc-bnc.ca)

The National Library of Canada Gopher.

////////////////////////////////////

OTHER SERVICES AND TIPS

////////////////////////////////////

Library of Congress

locis.loc.gov

192.160.13.1

Not only can you look at the world's most extensive card catalog, you can search through and read pending legislation from as far back as the 1970's.

info.rutgers.edu

128.6.26.25

info

Quartz BBS' info system. Dictionary, thesaurus, Bible, Koran, US Constitution, CIA World Fact Book and CD listing all online, just for starters!

liberty.uc.wlu.edu

137.113.10.35

lawlib

Law library. Online guide to a few hundred or so sites with law info.

netinfo.berkeley.edu 117

128.32.136.12 117

Network Information. Nameservers, Bitnet and Internet help.

ukanaix.cc.ukans.edu

129.237.33.1

kufacts

Mostly about Kansas, but most notable for finding email addresses.

Weather Underground

downwind.sprl.umich.edu 3000

141.212.196.177 3000

Weather from the NWS for hundreds of cities.

Suggested that you know the 3-letter airport code to access the city...

LAX, BOS, etc..

SFI BBS

bbs.santafe.edu

192.12.12.6

bbs

A very serious, research-oriented BBS. It is requested that you only

use this BBS for work of some kind.

National Education BBS

nebbs.nersc.gov

128.55.128.90

new

Running EBBS (Pirate), this is a system dedicated to US educational issues, and operated by the government.

ba.mgt.ncu.edu.tw

140.115.83.210

IRC server.

Current time (Mountain):

telnet india.colorado.edu 13

Presidential email address:

PRESIDENT@WHITEHOUSE.GOV

VICE.PRESIDENT@WHITEHOUSE.GOV

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Online Bookstores.

An interesting alternative to modern printed material is electronic books, which are available for purchase through the aptly named books, which are available for purchase through the aptly named Lighthouse Online Bookstore. Connect with gopher or WWW to awa.com.

Browse through Main Street of DownTown Anywhere until you find Lighthouse Books. This is a very interesting and innovative bookstore that has contracted with writers around the world for selling very unique books you cannot find in print anywhere in the world. Save Trees and get more and more of your reading material from this unique source.

Browse through the menus until you find a book you would like to read. The first half of Lighthouse Books, or a reasonable portion of them at least are free for the reader to browse and get the idea as to whether or not to purchase. If you want to purchase, you will be prompted to call an 800#, give your credit card information and the rest of the book will DE-ENCRYPT after you pay for a Password. This is the best way to ensure that authors of useful information are paid for their time. If you like this method of getting Verbons, or electronic reading materials this way, it could replace the type-written page and save the planet from the destruction of rain forests. The New York Times takes up millions of acres of trees for every Sunday Edition. The Printed Yellow Pages Directories is about to level all of Canadian Forest resources. We have to stop it somehow or our successors will have a more and more difficult time getting oxygen to breathe.

The Please Copy This Disk project offers over 240 different (Mac or IBM format) disks containing classic books and government documents as electronic texts. The free monthly Internet-on-a-Disk newsletter is also available: for information, send email to B&R Samizdat Express at samizdat@world.std.com

Publications and related from Statistics Canada, the national statistical agency of Canada, are now available through its Talon service through gopher, WAIS, email and anonymous FTP. Use your favorite connectivity package to connect with talon.statcan.ca

CHAPTER 10 -PAGE 3

- + Multimedia electronic books for Windows users are available from
- + OmniMedia through the network, and you can find samplers by using FTP to check out the directory "/pub/noring/books" on "ftp.netcom.com". For more information, please send email to "noring@netcom.com".

The University of California, Irvine bookstore is now on the Internet through the WorldWide Web. Browse reviews and Ansel Adams photographs There are 440 lines left (22%). Press <space> for more, or 'i' to return. through the WorldWide Web. Browse reviews and Ansel Adams photographs or search for books with WAIS. Web to <http://bookweb.cwis.uci.edu:8042/> or connect with Gopher to "gopher.cwis.uci.edu", in "departments"/"books".

Pathfinder Press specializes in publishing revolutionary and working-class leaders in their own words, including Malcolm X, Nelson Mandela, Che Guevara, Fidel Castro, Karl Marx and Frederick Engels. Use gopher to connect to "ftp.std.com" in /Book Sellers'.

- + Wordsworth Books of Cambridge Mass has an enormous selectin of general interest books and a large computer and technical book department. It also offers many books below list price to online customers. To find out more, send email to 'info@wordsworth.com'

PART TWO -PAGE 1

PLEASE BROWSE THROUGH PART TWO BY CLICKING ON THE NEXT PAGE >>>
SYMBOL AT THE TOP OF THE DOC.

Softpro Books is a small computer bookstore with shops in both Boston and Denver and an online catalog of over 1000 titles. SoftPro is also available on the world.std.com gopher server (choose "Shops of the World"). You can also contact them through email:
softpro@world.std.com

O'Reilly & Associates, publishers of a wide variety of high quality books on Unix and Internet topics offer their books directly through the Internet. Point your gopher to 'ora.com' (e.g., 'gopher ora.com') or telnet to ora.com with the login 'gopher'.

High Mountain Press Direct offers books on Unix, CAD, desktop publishing and geographic information systems topics. You can request catalogs and order titles by sending mail to
'info@bookstore.hmp.com'

Artech House, a technical book and software publisher, offers hundreds of different technical titles - and some software and video tapes - via the Internet. Connect to 'gopher world.std.com' and choose 'Shops of the World'.

One of the larger technical bookstores accessible online is Quantum Books, of Cambridge, Massachusetts with 20,000 titles on-hand and a database of 65,000 titles. The focus is primarily computer science, math and physics. Contact them by gopher: look in 'Shops of the World' after using gopher to 'world.std.com', or email 'quanbook@world.std.com'

There are 400 lines left (29%). Press <space> for more, or 'i' to return.
after using gopher to 'world.std.com', or email 'quanbook@world.std.com'

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Silicon Valley is a logical place to find a great technical and computer bookstore, but through the Internet, you can also get to Computer Literacy Bookstore by electronic mail: send a message to info@clbooks.com to learn more about this service.

Looking for German language technical books and CDROM disks? JF Lehmanns Fachbuchhandlung in Berlin now offers online CDROM and book catalogues. You can access them directly with gopher or the Web: use 'gopher' There are 380 lines left (33%). Press <space> for more, or 'i' to return.

You can access them directly with gopher or the Web: use 'gopher gopher.germany.eu.net 70' or 'Web to the following:
http://www.germany.eu.net:80/shop/jfl/jfl_kat.html

+ A well-known computer bookstore with a peculiar name, Cucumber Books of Maryland is now online with its Unix and C books. Contact the firm through electronic mail: 'catalog@cucumber.com' or 'info@cucumber.com'.

Washington D.C.-based Reiter's Scientific & Professional Books can now be reached through the Internet by sending mail to 'books@reiters.com'. A good choice for difficult-to-find technical literature.

+ Beaverton, Oregon-based TECHbooks has a wide range of technical and computer titles. To learn more, send email to 'info@techbooks.com'

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The Magazine Rack

Samples of many different magazines are available on the Internet, as shown below:

"The New Republic" via 'gopher gopher.internet.com'

"The New Republic" via 'gopher gopher.internet.com'

"The Global Network News":

<http://nearnet.gnn.com/news/home/news.html>

"Mother Jones": <http://www.mojones.com/motherjones.html>

+ "WIRED": <http://www.wired.com/>

"The Internet Letter" through the Web at:

http://www.mtv.com/commercial_resources/internet_letter/index.html

All these and more are also available by checking into the Electronic Newsstand. Try: gopher internet.com or telnet internet.com, login as 'enews'. Email info@enews.com for more information on the service.

Branch Information Services also offer a variety of different magazine subscriptions. Connect with 'gopher branch.com' or 'http://branch.com:1080'

"The Magazine For Adult Children of Aging Parents" is for anyone facing the questions, issues, and concerns from having an aging parent. Covers all aspects of eldercare, including the emotional costs of care. Sample articles and subscription form are available. Via the WorldWide Web:

[href="http://www.service.com/answers/cover.html"](http://www.service.com/answers/cover.html)>ANSWERS</

The COOK Report focuses on political and policy issues about the
There are 340 lines left (40%). Press <space> for more, or 'i' to return.

+ The COOK Report focuses on political and policy issues about the

+ Government's involvement in the commercialization and privatization of the Internet. To learn more, send email to "cook@path.net".

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Music and Video

Infinity Link Network Services offers a catalog of video tapes, laserdiscs, CDs and books accessible by connecting via telnet to columbia.ilc.com - log in as 'cas' at the prompt. Alternatively, point your gopher there with 'gopher columbia.ilc.com'

- + With an online catalog of over 80,000 titles, the Compact Disc
- + Connection is perhaps the best of the current bunch if you're looking
- + for some specific music. To visit this store 'telnet cdconnection.com'

The Virtual Record Store lists over 3500 CD titles, and can be reached at gopher: gopher.nstn.ns.ca or URL: gopher://owl.nstn.ns.ca:70/11/e-mall

For the latest in MIDI software and hardware, including Roland, EMU, Korg, Tascam and Marshall, Horizons One can provide you a one stop solution. Inquiries and orders by email: midiwiz@interaccess.com

Inquiries and orders by email: midiwiz@interaccess.com

Buying concert tickets is always a tricky concern, but did you know that companies like Planet Earth Management can sell you concert packages that not only include excellent seats but hotel space in town too? They're on the net: Pink Floyd is the current tour: pink@society.com, and on the way is the new Rolling Stones tour: stones@society.com for info.

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Sunglasses, Shavers and More! catalog available through the Internet, though users interested in the Braun, Bausch & Lomb, Corning, Forchner and Victornox products will have to settle electronic mail only at this point: send a message to 'sunglass@clark.net' for a catalog.

Games

Looking for boardgames, perhaps older or unusual ones? Then a quick connection to Harmony Games, run by a veteran game designer, might be just what the virtual doctor ordered. Connect with gopher or WWW to marketplace.com.

gopher or WWW to marketplace.com.

Handmade Crafts and Craft Supplies

Dolls and santas, handcrafted traditional gifts, natural fibers and crafter's supplies are available through the Internet by connecting to McCrerey Farm of Pennsylvania. Use gopher to connect to telerama.lm.com. Looking the "Shopping Plaza."

Florist

If you're perennially late with flowers and other gifts for your significant other, you'll be delighted to know that there's now a florist on the Internet. Grant's Florist and Greenhouse can be reached through the Web (<http://florist.com:1080>) or gopher; use 'gopher florist.com'.

Adult Toys

Okay, so you can get flowers, music, and books through the Internet, but what about that really special, unusual item you'd like to give your significant other? There are 280 lines left (50%). Press <space> for more, or 'i' to return.

but what about that really special, unusual item you'd like to give your significant other? J.T. Toys offers an electronic sex and adult toystore accessible via gopher: connect to world.std.com and look in 'Shops of the World'.

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Computer Hardware and Software

Software

the WHOLE UNIVERSE COMPUTER STORE.
lite@awa.com

ON-LINE HARDWARE/SOFTWARE SHOP

Shop for your favorite hardware and software Items at discount prices. We can take your orders over the InterNet. All you need is a credit card or a Debit Card, using Netdollars. Pay a couple hundred dollars down and you get to use this account to buy things at great discounts. Put products on Layaway on the InterNet Shop

Get up to the minute reviews of new software introductions. Save time and money.

If you're a scientific type, you've probably already bumped into the book "Numerical Recipes: The Art of Scientific Computing", but did you know that all the source code shown in that book is available to buy online in both C and FORTRAN? Connect with 'gopher cfata4.harvard.edu'.

The Programmer's Shop is a ten-year-old company offering a wide selection of programming tools, with a catalog of thousands of different products. Also included in the list are applications, utilities, hardware, and more. Connect with them by 'gopher world.std.com' and choosing 'Shops of the World', or through email to progshop@world.std.com

If you're looking for the BSDI version of Berkeley Unix for your computer system, you can contact the BSDI company directly via electronic mail for information and catalogs. Use the Web and connect to www.bsdi.com or try 'gopher gopher.bsdi.com'

Motif developers won't want to miss the SWiM bundle, a complete runtime and development environment for developing OSF/Motif 1.2.3 apps. From Sequoia International, SWiM is available for Coherent, Linux, BSD/386, FreeBSD and NetBSD. Contact the company for more details: info@seq.com.

SmartPoll is a multimedia, intelligent survey tool for conducting polls over Internet. Sold as software or bundled with a server, SmartPoll can also be purchased through a service bureau. Send email to info@smartchoice.com for more information.

CDROMs

Software junkies already know about Walnut Creek CDROM: it publishes over forty different collections of public domain and shareware software CDROM disks ranging from X Window sources to Mac and PC. There are 240 lines left (57%). Press <space> for more, or 'i' to return.

software CDROM disks ranging from X Window sources to Mac and PC programs. You can see their catalog by using 'finger info@cdrom.com' and order by sending mail to 'orders@cdrom.com'.

CD Publishing Corp makes available a variety of different CDROM disks containing archival copies of Usenet, networking software for PC computers, and more. Gopher to gopher.cdpublishing.com for more information.

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COMPUTER HARDWARE

THE WHOLE UNIVERSE ON-LINE COMPUTER STORE

lite@awa.com

ON-LINE HARDWARE/SOFTWARE SHOP

Shop for your favorite hardware and software Items at discount prices. We can take your orders over the InterNet. All you need is a credit card or a Debit Card, using Netdollars. Pay a couple hundred dollars down and you get to use this account to buy things at great discounts. Put products on Layaway on the InterNet Shop

Get up to the minute reviews of new software introductions. Save time and money. Find software articles that tell you what you need to know. Dont make a mistake on your next upgrade.

We will also lease a system for you with custom designed hardware/software combinations. No money up front.

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Looking for corporate or business contracts suitable for your small or medium business? FitzGearld Webber Marketing now offers many of their products on the Internet. You can see what's available through the 'Web at URL gopher://owl.nstn.ns.ca:70/11/e-mail or gopher.nstn.ns.ca with gopher

Indexing and Research Services

Working on a deadline but out of time? If you're working on a book or dissertation, our indexing and editing skills are at your service. We can also research, abstract, and search online databases following your own criteria. Finger njsmith@bga.com or send email to the same address for more information.

+ SCAN-ITT converts your documents or image files into indexed image files and/or text. SCAN-ITT can scan and OCR documents of any length, returning indexed image and/or text files to you via Email, disk, CDROM or MO. You can also FAX or Email scanned images for processing. Use of indexed documents may require purchase of software. Send Email to "sales@scanitt.com" for info.

Too busy to track the hundreds of journals that are published in your field every day? Then UnCover Reveal could be a great win: you select from its list of journals and the table of contents of the latest issues+ are automatically emailed to you when received, without charge. You can then order articles by reply email for a low fee. For information, send electronic mail to "uncover@carl.org"

Credit Checks

With all these electronic transactions flying back and forth, it was only a matter of time before a company came along to offer credit reporting services through the net too. Infotech Information Technologies of Charlotte, North Carolina now offer individual and business credit reports, Dunn & Bradstreet information, a social security locator service, arrest and conviction records and a whole lot more. Contact them via email at 'infotech@fx.net'

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Running a small business and ready to incorporate? You don't even have to leave your terminal if you contact The Company Corporation, the largest on-line incorporation service in the world.

Connect to them

with 'gopher incorporate.com', Web to

<http://incorporate.com/tcc/home.html>

or email: corp@incorporate.com

Transcripts

Transcripts of various programs can be ordered directly through the Internet by connecting with Journal Graphics. To see their catalog, use 'telnet pac.carl.org', account PAC. Choose 'Information Databases'.

International Trade

If your company is involved in international import or export you might want to check out the International Trade Network, where for a minimal fee you can receive daily commercial trade leads through Internet e-mail and more. Send email to majordomo@world.std.com with the message "info intltrade", or drop a note to usa@world.std.com.

Asian Information Service offers a range of services, including news monitoring, and document translation and delivery. We have an excellent database on China offering China-related information in a variety of formats. Tell us your needs, and how we might help! Contact AIS by sending mail to: jsweeney@uclink.berkeley.edu

Telemarketing

Telecommunications and information marketing is a booming business, and INFOMARK, a consulting company that can help you design your own marketing strategies, is online. You can purchase a copy of their "900" number source guide by connecting either with gopher or WWW to marketplace.com.

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Email-based FAX Service

Need to send a FAX but just don't have a FAX machine or FAX modem handy? Then AnyWare Associates' FAXiNET might be just the service for you. Once you're subscribed, you can send email that they auto-matically FAX to the specified party or parties worldwide. For more information, send email to info@awa.com

Real Estate

You can do just about anything else, and now National Real Estate Services of Vancouver, BC, Canada, is publishing their franchise database of over 20,000 real estate listings. More connectivity is on the way, but today you can connect through the WorldWide Web with the URL <http://www.gems.com/realestate/>.

Travel Agency

Tired of the local surroundings and ready to leave your computer behind and soak up some sun? The wholesale tour operator Mexico Resorts & Tours is now on the Internet, with their focus on unusual tours to Mexico and Central America. Individuals to large groups, you can find out more about the services by sending email to travel@magma.com

Annex: Training and Education

Video Training

If you're still puzzled about the possibilities of the Internet, you can now order a videotape from Baltimore-based New Technologies covering all the tools and techniques of surfing the so-called information wave. For more information, drop a note to nti@clark.net

Sagacity Learning Universe

You can do just about everything else through the Internet, so why not learn at a virtual university? Sagacity Learning Universe is offering just this service to Internet users, initially focusing on Future Studies,

with more to come. Contact Tom Abeles at tabeles@tmn.com or use gopher to connect to tmn.com to learn more.

Grant Proposals and Financial Aid

Internet Works, Inc. offers Online Interactive Workshops on Grant Proposal Planning and Writing. In addition, online consulting services

are available in the grants area and in the use of the Internet. For more information contact Herb Wylen <hwylen@access.digex.net>

- + Most students are unaware of the many sources of financial aid that
- + are available, but now you can work with Chinook College Funding Service of Tucson, Arizona to explore the possibilities. For more information,
- + send an email message to 'CllgFunder@aol.com'

PART TWO - PAGE 11

+ Gourmet Popcorn

+

+ Popcorn is much more than just something you put in the microwave oven.

Gourmet Popcorn of Colorado Springs is now on the

+ Internet! Receive a catalog of their many products by sending email to the company:
"mgp@aol.com"

COMONLINE

Perhaps one of the most important uses of the InterNet will be for computer users to learn about the latest trends, new products and developments in computer, or Hi-Tech Industry that will continue to make the INFORMATION SUPERHIGHWAY building and progressing through many stages until it reaches something truly amazing and more beneficial to Mankind than any other invention.

The ComOnLine Trade Show will be the way for you to keep up with all the new developments coming your way. Here in the Convention Center at DownTown Anywhere the browser can go from company to company and examine their latest and newest products or services.

If you have a graphics reader, you will see pictures of amazing new products that do wonderful things. You will also be able to see video and animation and other graphical demonstrations of new hardware and or software that could be just the device you needed.

The Magazine and Newspaper Editors of the world can come to this OnLine Trade Show to get ideas for new stories. The average consumer can come to it just to learn about possible upgrades to his computer system. And the exhibitor can place his products here for all the world to see 7 days a week, 24 hours a day, 52 weeks out of the year, FOR A FRACTION OF WHAT IT COSTS to do an Old-Fashioned kind of trade show.

No more exorbitant hotel costs, no more airline tickets to buy, no more hiring pretty models to stand in front of your booth and lure the curious to see your product. No more having to take several key company executives out of productive jobs to attend the Convention, no more having to lose your shirt at Las Vegas Gaming tables. No more expensive booth rental for one week of Demonstrations to a very select few.

Now, for a nominal fee, you can let the whole world view your new products, and you can even take orders OnLine and/or build mailing lists and answer customer questions WITHOUT LEAVING THE COMFORT OF YOUR HOME OFFICE.

If you want more information call (408) 423-8580, Lighthouse Productions the ComOnLine Trade Show organizers or to view how its building more and more exhibitors, point your WWW to <http://www.awa.com>. Browse through Main Street of Downtown Anywhere until you come to the Convention Center, then go right in, and see the potential that this OnLine Trade Show has for your company. Leave a msg here or lite@netcom.com and well get back to you to talk about your participation in the Trade Show of the Future.

If you have any kind of Hi-Tech Product or service you should be here. The sales you make at ComOnLine will probably outweigh the costs of being here and in the process everyone in the world with an InterNet Account can see your products or services LIVE IN ACTION.

FREE BULLETIN BOARDS

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FREE BULLETIN BOARD SERVICES
////////////////////////////////////

NOTE: I have placed BBSs whose main goal is to entertain or serve as a forum for people to get together here.

BULLETIN BOARDS OR BBSes for those who do not know, are computers that have special software so that anyone with a modem can call them and partake of their services. BBS Sysops or system operators as they are called, number in the neighborhood of 50,000 in this country and they are as varied as any group of people can be. Check out some of these and then find others in your neck of the woods and chances are you will find a community of people with your same interests. BBSes are not what you call the InterNet, but they are all soon to be connected in one way or another, making the InterNet even larger and more viable.

\\EBBS/PIRATE BBS\\

Friendlier than it sounds.

Takes advantage of VT100 and up with a full-screen environment.

All offer Boards (message areas), Mail, and Talk.

Some offer Files and IRC connections.

One minor problem: The majority of these BBSes are limited to only 800 or so users (that's total, not online) at any given time.

Auggie BBS

bbs.augsburg.edu

141.224.128.4

bbs

More boards than ever, Real-time and IRC-like chat, 4m, and BillyNet, a link to plenty of other BBSes. I read the InternetStuff board to pick up on most of the new BBSes.

Eagles' Nest BBS

seabass.st.usm.edu

131.95.127.2

bbs

NSYSU-BBS

cc.nsysu.edu.tw

140.117.11.1

bbs

Taiwanese. Don't let the strange characters fool you. :)

CIS-NCTU

bbs.cis.nctu.edu.tw

140.113.23.3

bbs
Taiwan.

TTIT CSE BBS
140.129.25.100
bbs
Taiwan.

Viking BBS
viking.dana.edu
192.189.65.10
bbs

LIANE BBS
bbs.cslib.cz
147.230.16.2
bbs
Czech Republic.

\\CITADEL\\

Citadel is a message-only system.

Boards using this are highly active with the exchange of messages in various "rooms", sometimes as varied as MST3K>, NetLife>, and Spam! Spam! Spam!>. Plenty of information can be had on these boards, though no files are available.

Another feature of these boards is that each one has added a little flavor to the stock Citadel code, so none of them are quite the same.

Quartz BBS
quartz.rutgers.edu
128.6.60.6
bbs

The granddaddy. Interesting and spontaneous conversation found at any hour of the day or night. On the other hand, there are only 10 users allowed at any one time.

Prism BBS
bbs.fdu.edu
132.238.2.10
bbs

This one is based on 'floors'. Also very hard to get into on a regular basis.

Sunset BBS
paladine.hacks.arizona.edu
128.196.230.7

bbs

Another variation of the normal Citadel, somewhere between the original and DOC.

Monsoon BBS

rtd.com

198.102.68.2

bbs

The second Citadel in Tucson. They must like it a little there. :)

The Ragged Edge

wagner.musicnet.ua.edu

130.160.156.75

bbs (bbs)

It was a Citadel, then it wasn't, now it is. So there.

\\DOC\\

Dave's Own version of Citadel.

Best-known as the software ISCA BBS runs.

No files can be had on these, either.

Also, as is programmer's nature, each of these BBSes now have their own added features.

ISCA BBS

bbs.isca.uiowa.edu

128.255.200.69 <-Note new IP address!

The biggest BBS on the net. Period. 15,000 users a day are calling ISCA.

The user count is now over 100,000.

This BBS is literally six times as large as the first time I reviewed it.

During periods of heavy use, expect to wait in a queue just to get in.

Hint: Get the ISCA BBS Client via FTP for more ease of use. Look in FTP sites for more info.

SkyNet

hpx6.aid.no

128.39.145.226

skynet

Norway. Close to 20,000 users here, with up to 48 online at a time.

I post this list on INet> upon release.

CetysBBS

infrs.mx1.cetys.mx

158.122.1.3

bbs

Mexico. Mostly Spanish, with a few rooms for English speakers.

Shadow

shadow.acc.iit.edu

192.41.245.143

bbs

This is quickly becoming huge.

Shadow was originally geared toward being a technical BBS, but it's now popular pretty much all around.

Club BBS

club.gdl.iteso.mx

148.201.1.18

bbs

If you're looking for a 100% Spanish BBS, it's here.

Brinta BBS

brinta.ptf.hro.nl

145.24.149.50

bbs

The new one, and the first DOC BBS to run off of a PC.

The Netherlands.

BBSs USING OTHER SOFTWARE:

OUBBS

oubbs.telecom.uoknor.edu

129.15.3.15

TBBS

A very attractive BBS catering to University of Oklahoma students.

Offers a lot of services typical to non-Net BBSs, including Internet and FidoNet mail. Both Mac and IBM files available.

Monochrome

(quark,muon,gluon,electron,neutron,proton).city.ac.uk

138.40.17.(4,5,6,1,10,11)

(You only have to pick one of them.)

mono

Mail monoadm@city.ac.uk for an account.

It was gone and now it's back and better than ever.

Except for that chat thing, but beggars can't choose, huh? :)

BOX

tolsun.oulu.fi

130.231.96.16

box

Finland.

DUBBS

tudrwa.tudelft.nl
130.161.180.68
bbs
BBS in the Netherlands with an almost-WWIV look.

yabbs
phred.pc.cc.cmu.edu
128.2.111.111
bbs
Messages and a few text files. Lots of computing areas.

tiny.computing.csbsju.edu
152.65.165.2
bbs
A graphical BBS, like a hybridization of Pirate and Monochrome.

The Endless Forest
forest.unomaha.edu
137.48.1.4
ef
A neat little hangout. Usually you can find some pretty good authors on here.
Hint: On your first logon, remember your user NUMBER, not just your user name.

BBS-Olohof
morra.et.tudelft.nl 2993
130.161.144.3 2993

Tele-Chat
ns.speedway.net 8888
ns.speedway.net 5010
Two new chat services. For those who don't like or can't use IRC, start filling these places up.

NCCU
suncc.ccu.edu.tw
140.123.1.2
guest
IRC access and similar facilities. Much like a basic UNIX account.

Agora Telematica
agora.stm.it
192.106.239.3
Italy. I'd have to say this is one of the finest boards on the Net right now, barring any I haven't seen.

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On-line
connect.on-line.co.uk
193.114.232.1
connect

Internet Direct
indirect.com
198.99.146.65
Phoenix.
I personally like this interface. An excellent service.
\$20/month flat rate.

Mindvox
phantom.com
38.145.218.228
New York City. \$10/month for service access, \$17.50/mo for telnet and
ftp access.
Rumored to be a hangout for the elite. Featured in _Rolling Stone_.
Well, kinda. :)

The World
world.std.com
192.74.137.5

Boston. Public dial-up internet site since 1989, Usenet, FTP, Telnet, Clarinet/UPI and Reuters news, IRC, Gopher, Online Book Initiative (large etext archive), Compuserve Packet Network long-distance access (\$5.60/hr, USA). \$5/mo+\$2/hr or \$20/20 hours.

Eskimo North BBS
eskimo.com
192.195.251.13
Washington State. Features Usenet, including several readers, shell access, and files.

Netcom
netcom.com
192.100.81.100
guest (guest)
California, statewide.

HoloNet
holonet.net
157.151.0.1
holonet
California. Usenet, connectivity with MS Mail, cc:Mail and the like... news, files, FTP and Telnet access, fairly low-cost, hundreds of access points via SprintNet.

Telerama
telerama.lm.com
192.231.221.1
new
Pittsburgh. A very inexpensive site, especially considering the services provided.

Net Access
netaxs.com
192.204.4.1
Philadelphia.
FTP, IRC, Telnet, Gopher, email, MUD/MUSE, and Usenet.

Texas Metronet
feenix.metronet.com
192.245.137.1
info(info) or signup(signup)

Dallas/Fort Worth, Texas. Good interface. Fairly expensive, though.

Pipeline

pipeline.com

198.80.32.3

NYC. This one has its own interface for Microsoft Windows users. Makes it worth the relatively high cost.

ON-LINE STORES

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ONLINE STORES

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The NETCENTER BOOKSTORE

NEWEST ELECTRONIC TITLES

Point your URL to: <http://netcenter.com/netcentr/bookstor/index.html>

For the Best in Electronic Books.

The NETCENTER VIDEO STORE

For a complete catalog of Special Interest, How-To Videos.

All Categories.

Point your URL to: <http://netcenter.com/netcentr/mall/videos/clark.html>

COMPUTER UPGRADES - NEW SYSTEMS

FOR LOWEST PRICES AND HIGHEST QUALITY COMPUTER PARTS AND
SYSTEMS YOU NEED TO CALL. BEST PRICES ON ANY
CONFIGURATION.

MOTHERBOARDS & CONTROLLERS & ETC.

1-800-998-4359

Book Stacks Unlimited

books.com

192.148.240.9

CDC

holonet.net

157.151.0.1

cdc

Compact Disc store.

E-MAIL TIPS

Millions of us are signing up on the Information Superhighway just for the E-mail which is far cheaper than telephone charges and much more efficient. But what are E-mail addresses? There are many different flavors depending on how you got your InterNet Service.

Here are a few of the examples of formatting your addresses based on the service you subscribe to:

Lets look at my E-mail address first:

Netcom

lite@ix.netcom.com

CompuServe: 72254.16@compuserve.com

GEnie: J.Jones@genie.geis.com

America Online: UserName@aol.com

Delphi: Username@delphi.com

Applelink: Username@applelink.apple.com

AT&T Mail: User@attmail.att.com

MCI Mail: 1234567@mcimail.com

User_Name@mcimail.com

BIX: User@dcibix.das.net

Bitnet: user@SITE.BITNET is

user%site.bitnet@cunyvm.cuny.edu

or @mitvma.mit.edu

Prodigy: UserID@prodigy.com

Prodigy users can now mail out from Prodigy. Info is available
by JUMPing mail manager.

Now, that you have an address you can use your editor that comes with your service to write notes to anyone in the world, no matter what service they have. Dont worry, your return address will be automatically inserted so that people can respond to you at their leisure.

This ability to send messages and then wait for a response is one the best features of the Information Superhighway. Its like having a universal Answering Service for everyone in the world who may know about you.

The Editors

A/Z LISTINGS

APPENDIX -- A - THE INTERNET MARKETING RESOURCE LIST.

This Appendix is a listing of many of the best places on the Internet for conducting market research or the promotion/advertising of your own products or services or for finding those important business alliances that can help you with your overall gameplan. The list should be used as a jumping off point because from here, you will find many thousands of other useful places on the Internet as you explore.

This Appendix is also part of the Official Roadmap on the Diskette on the back of this book. With it, you can find many more important resources for your marketing effort.

This is the most complete list I know and is current as of this writing. But we also publish this as a Newsletter that you can subscribe to for monthly updates of all marketing information in this book. If you have an Internet Account, you can get download electronic versions of the "The Official Road Map of the Information Superhighway" which are updated monthly. The address is <http://netcenter.com>. Go to the Roadmap. The Windows Help File Version, called the Official Roadmap to the Information Superhighway can also be found at your local BBS. If they don't have it ask them to get it for you. Any individual or BBS can retrieve the latest list at EXEC-PC. By Modem: 1-414-789-4360 (9600 BD), and 414-789-4210 (2400 Bd) 1414- 789-4500 28800BD Internet Access 1-414-789-4600

Menus choices are: F, (Files) F, (Free Area) L, (Lighthouse Books) L (List All). Telnet Address is: bbs.execpc.com. The Exec PC Web page is at WWW.EXECPC.COM. EXEC-PC is the most advanced of all BBS services with over 400 phone lines and now a Direct Internet Service. Most all other BBSes will have to follow along in their path.

NOTE: no login names or passwords are required unless otherwise stated!

ALSO NOTE: for ftp sites, login as anonymous, password is your email address

This section primarily serves as a reference point to put some of the techniques of the developing your market cycle to work for you on the Internet.

As you have completed reading the entire book by now, you should be able to reference any of these places listed here to accomplish any part of the research you may need to do. Remember, Chapter One gives details on how to FTP, Telnet, Gopher, Etc.

Below you will find an alphabetical listing of files and resources that I have found on the Internet. Many of these you will find will save you plenty of time and money.

Agricultural Info.,__TELNET psupen.psu.edu or TELNET 128.118.36.5__
__Family Issues,____PENpages_(Login: = Enter your twoletter state abbreviation.)
__Food_&_Nutrition.____TELNET caticsuf.csufresno.edu or TELNET 129.8.100.15

_____ CSU Fresno ATINET _____ (Login: =
super)
_____ TELNET eureka.clemson.edu or TELNET 130.127.8.3
_____ CUFAN_ (Clemson U Forestry_ &_ Ag_ Net.)_ (Login: = PUBLIC)
_____ TELNET empire.cce.cornell.edu or TELNET 132.236.89.2
_____ CENET_ (Cornell Extension NETwork)_ (Login: = guest)
_____ FTP FTP.sura.net_ (get file pub/nic/agricultural.list,
it contains agricultural email lists_ &_ services.)
_____ TELNET idea.ag.uiuc.edu_ (Login: = flood)_ See FLOOD

Below

_____ TELNET cicp.biochem.vt.edu or TELNET 128.173.52.243
_____ Global Integrated Pest Management Information System
_____ TELNET/GOPHER usda.mannlib.cornell.edu
_____ USDA Economics and Statistics GOPHER_ (Login: = usda)
___ Offers: Agricultural info_ (livestock reports,_ current market prices,_ etc.)

Agricultural Market News

___ commodity reports
___ Wais to: agricultural-market-news.src

Almanac mail servers_ mail almanac@esusda.gov or mail almanac@ecn.purdue.edu
mail almanac@oes.orst.edu or mail almanac@ces.ncsu.edu
mail almanac@silo.ucdavis.edu or almanac@joe.uwex.edu
_____ mail almanac@empire.cce.cornell.edu
mail almanac@acenet.auburn.edu
___ Offers: USDA market news,_ articles about use of computer in agricultural
science,_ and Extension Computing Technology Newsletters._
___ In body of letter: send guide_ Other cmds: send catalog,_ send help haylist

Almanac of Events finger copi@oddjob.uchicago.edu
___ Offers: Daily list of events and bdays in history,_ and sports schedules.

Am._ Philos._ Assoc. GOPHER apa.oxy.edu or GOPHER 134.69.1.2
___ Offers: _BBS for philosophers.

Amateur Radio_ mail info@arrl.org_ /_ FTP oak.oakland.com_ (pub/hamradio)
___ Offers: Ascii files about Amateur Radio and electronics.
___ In Body of letter: help,_ info,_ send_ <filename>_ or quit_ (ie send prospect)

Archeological Dbase_ TELNET cast.uark.edu or TELNET 130.184.71.44
___ Offers: National Arch._ Database information management system._ (Login: = nadb)

APOLLO ADVERTISING

___ This is one of the few advertising agencies who will help you put your ads on the
WWW, small ads are free. Europe and North America
___ WWW TO: http://apollo.co-uk/home.html

ASIA PACIFIC BUSINESS AND MARKETING RESOURCES

__Gopher to: hoshi.cic.sfu.ca

AT&T Internet Directory of Directories. Use this as a beginner on the Internet to find just about anything.

Email: admin@ds.internic.net
Request the Directory Listing Form

Phone: 1-800-862-0677 or 1-908-668-6587
Fax: (908) 668-3763

Gopher: is.internic.net

FTP: is.internic.net
anonymous
cd /infoguide/faq directory

WWW: <http://www.internic.net/infoguide.html>

This is really exciting Cyberspace. Get a Mosaic Viewer and visit this spot first to learn about the Internet. This is the best single resource, next to my own, that I have seen.

???? Email to:
refdesk@is.internic.net

AT&T Toll Free Directory is at: <http://www.internic.net/800dir/800dir.html>

AVIATION

__Aviation GOPHERs__GOPHER av.eecs.nwu.edu
____GOPHER GOPHER.unomaha.edu_(Select UNO Student Org...)
____Offers: Acts as a repository for things on rec.aviation._(pics,_stories...)

__DUATS TELNET duat.gtefsd.com or TELNET 131.131.7.105
TELNET duats.gtefsd.com or TELNET 131.131.7.106
____Offers: Aviation weather,_flight planning._(Login: = <last name>)
____The first address is for certified pilots,_the second for uncertified.

BANKING - THE FIRST VIRUAL HOLDING CORPORATION

Everyone should open an Internet Banking Account. Free to the Buyer.
Only 2% charge to seller. 1st Internet Bank System and viable.
Also look for DIGICASH to come along too.
Point your URL to: <http://www.fv.com>

BBS - Bulletin Board Systems

- __ WWW to: <http://netcenter.com/roadmap/bbses.html>"
- __ A listing of the most popular Bulletin Boards around the world.

BOOKS

- Lighthouse Books.
- www to: <http://netcenter.com/bookstor/index.html>

BRANCH MALL

- __ WWW TO: <http://Branch.com:1080>
- __ Provides Online Shopping Services

Calif. Institute of Technology

- __ Reports and updates on research and applications from this high-tech powerhouse.
- __ URL: <http://gatekeeper.doc.com/archive/pub/DEC/DECInfo/html/home.html>

CALIFORNIA YELLOW PAGES

- __ WWW TO: <http://www.research.digital.com/SRC/virtual-tourist/CaliforniaYP.html>

Career Centers Online GOPHER GOPHER.msen.com and GOPHER GOPHER.msen.com 9062

- mail occinfo@mail.msen.com
- __ Offers: Jobs database, resume listing service, search by location/keyword
- __ H.E.A.R.T. TELNET career.com or TELNET 157.151.160.1
- __ Offers: Search for jobs by company, position, or state.

CIA World Fact Book

- __ Demographic, geographic, social and monetary information.
- __ FTP to: [nic.funet.fi](ftp://nic.funet.fi)
- __ Telnet to: [info.rutgers.edu](telnet://info.rutgers.edu)

City of Palo Alto: On WWW: <http://www.city.palo-alto.ca.us/home.html>

- __ Maps, Chamber of Commerce, stores. Other Business information.

SANDRA'S CLIP ART SERVER

This exhaustive selection has nearly 1500 files of GIF-format clip art, plus links to several other clip art repositories. Sandra Loosemore has assembled a number of special topic clip art links (Golf, Age of Sail, Caving, Medical/Human Anatomy Clip Art, etc.). Another great effort from the creator of the Froggy Page.

"<http://www.cs.yale.edu/HTML/YALE/CS/HyPlans/loosemore-sandra/clipart.html>"

Collectors Net - Antiques & Collectibles.

- __ email to: collectors-net-request@netcom.com .

Corporate Net: WWW to: "<http://tns-www/cs.mit.edu/commerce.html>">Commercial Services on the WEB. This important World Wide Web page provides corporate, non-profit and government links.

Commerce Net

WWW to: "<http://www.commerce.net>">Commerce Net
The site, under development, Offers a good indication of what we can expect from commercial Internet in the Future. One of the first to come up with Encrypted files for complete security. This is supported by some of the largest companies in the country, so this could grow to be very big.

CARL TELNET database.carl.org or 192.54.81.128
___ Offers: Online database, _book reviews, _magazine fax delivery service.

COMPUTERS

Here's a link to hundreds of computer companies and their products.
___ WWW to: "<http://www-atp.llnl.gov/companies.html>" Computer and Communications Company
___ Web Page. This page is a good source of links to high-tech firms.
___ This is a tremendous resource for finding information from thousands of companies all around the world!

Macintosh Usergroup ___ TELNET amdalinz.edvz.unilin.ac.at or 140.78.5.55

IBM PC Usergroup See Newsgroup alt.ibm.pc.hardware.
___ Windows Users See Newsgroup alt.os.windows
___ Latest Prices on Parts
___ On World Wide Web: <http://netcenter.com/netcentr/mall/techmart/hightech.html>
DataBase Via Finger ___ finger help@dir.su.oz.au
___ Offers: Query databases, _find newsgroups, _access archie, _etc., _via finger.

DIAL-UPS Getting connected to the Internet.

___ ALTER-NET 800-4UUNET3 Email to: alternet-info@uunet.uu.net
___ Global services
___ ANS CO+RE 914-789-5300 Email to: info@ans.net
___ BIX 800-695-4775 Email to: bix@genvid.com
___ Digital Express 301-220-2020 Email to: info@digex.com

__DMConnection. 508-568-1618 Email to: info@dmc.com

__MSEN 313-998-4562 Email to: info@msen.com

__NETCOM - 40 - 50 cities around the world. about \$20/mo. Great reliability. has all services required for dial-up as well as business accounts.
1-800-501-8649

__PANIX. 212-877-4854 Email to: info@panix.com

__PSI. 703-620-6651 Email to: info@psi.com

__THE WORLD - 617-739-0202 or Email to: office@world.std.com
Special services for Corporate customers.

Dow Jones News Retrieval

__Fee Based. Investment, economic, and business article abstracts and full text.

__Telnet to: [djnr.dowjones.com](telnet:djnr.dowjones.com)

__See also Free Newsgroup. Clari.biz.market.dow. Stock & Bond closing prices.

Directories

AT&T Internet Directory of Directories. Use this as a beginner on the Internet to find just about anything.

Email: admin@ds.internic.net

Request the Directory Listing Form

Phone: 1-800-862-0677 or 1-908-668-6587

Fax: (908) 668-3763

Gopher: [is.internic.net](gopher:is.internic.net)

FTP: [is.internic.net](ftp:is.internic.net)

anonymous

cd /infoguide/faq directory

WWW: <http://www.internic.net/infoguide.html>

Downtown Anywhere

__WWW to: "<http://www.awa.com>" DOWNTOWN ANYWHERE A very lively community of booksellers, store owners, with a real Cyber Economy. It's worth a visit to Downtown Anywhere. Nice graphics. Etc

ECONOMICS/BUSINESS

__ECHO_____TELNET [echo.lu](telnet:echo.lu) or TELNET 158.64.1.36 or 158.64.1.51

Offers: European Commission Host Org.,_free databases!_(Login: = echo)

Economic Bulletin Board

___RUN BY THE COMMERCE DEPARTMENT, THIS SYSTEM PROVIDES
ACCESS to more than
___700 files that are updated daily in 20 subject areas. They cover current economic
___conditions, employment, foreign trade, and more more. <P>
___Phone 202- 482-1986<P>
___Faxback system: 900-786-2329<P>
___Gopher to Gopher.lib.umich.edu<P>
___Look in Social Sciences Resources, Economics<P>
___Telnet to: ebb.stat-usa.gov<P>

Economics GOPHERs___GOPHER GOPHER.lib.umich.edu

___Choose: Social Sciences Resources_|_Economics
___GOPHER niord.shsu.edu_(Choose: Economics)

___Stock Market Reports TELNET a2i.rahul.net or TELNET 192.160.13.1
___mail Martin.Wong@eng.sun.com to receive daily quotes
___Offers: Select n,_"Menu: Current Info",_then_"Market Report"_(Login: = guest)
___Vienna Stock Exchange TELNET fiivs01.tugraz.ac.at__(Login: = BOERSE)

___Stock Market Simul. _TELNET castor.tat.physik.unituebingen.de
___Offers: Gigabucks game,_stock market simulation. _ (Login: = games)

Economic Information in Newsgroups

___Newsgroup: Clari.biz.market.dow. Stock & Bond closing prices. Also
___Clari.biz.market.ny, New York Stock Exchange: Clari.biz.market.etc. Most ___active
Over-the Counter stocks, trends etc. Clari.biz.report - Mutual Funds.
___Clari.biz.economy - articles of interest t the business community, Mortgage ___rates,
Farm Price report, GNP, Jobless Rate, CPI, etc.

EDUCATION

___Distance Ed. _Dbase___TELNET acsvax.open.ac.uk or TELNET 137.108.48.24
___(Username: ICDL ___Account Code: usa ___Password: aaa)

___Education GOPHERs___GOPHER ernest.ccs.carleton.ca 419___[Canada's SchoolNet]
___GOPHER GOPHER.ed.gov_____[U.S. _Dept. _of Education]
___GOPHER chronicle.merit.edu_____[Merit Computer
Network]
___GOPHER gaia.scied.fit.edu_____[Florida Tech
Edu. _GOPHER]
___GOPHER informns.k12.mn.us_____[Internet for Minn. _Schools]
___GOPHER goldmine.cde.ca_____[California Dept. _of Education]

___ Empire Schoolhouse TELNET nysernet.org or 192.77.173.2 (Login: = empire)
___ Offers: K12 resources, discussion groups, etc. (Also see: Econ. BBS)

___ FEDIX/MOLIS/HERO TELNET fedix.fie.com or TELNET 192.111.228.33
___ Offers: info. on scholarships, minority assistance, etc.

___ IKE TELNET isaac.engr.washington.edu or 128.95.32.61
___ Offers: IBM Kiosk for Education User Discussion Forums. (Login: = register)

___ Internat'l Ed. BBS TELNET nis.calstate.edu or TELNET 130.150.102.39
___ Offers: Program listings, resources, government information. (Login: = intl)

___ KidLink GOPHER TELNET kids.ccit.duq.edu or TELNET 165.190.8.35
___ Offers: Telecomm. project aimed at 1015 year olds. (Login: = GOPHER)

___ KiwiServer - Not from Australia!
___ WWW to: "http://kiwiclub.bus.utexas.edu/finance/kiwiserver/kiwiserver.html"
___ Kiwi Web Server from U of Texas. Source of great economic data and a very useful
___ Online Library.

___ Learning Link TELNET sierra.fwl.edu / 198.49.171.2 (Logn/pwd:newuser)
___ TELNET 152.4.101.50 (Login: = slonc Password: guest)
___ Offers: Electronic info. & communication service for educators.

___ MicroMUSE TELNET michael.ai.mit.edu or TELNET 128.89.2.153
___ MariMUSE TELNET pc2.pc.maricopa.edu 4228 or 140.198.16.12
4228. Offers: Educational MultiUser Simulated Environments. (Login: = guest).

___ Nat'l Education BBS TELNET nebbs.nersc.gov or TELNET 128.55.128.90
___ Offers: A limitedaccess system for NESP educators. (Login: = new)

___ Nanaimo SchoolsNET TELNET crc.sd68.nanaimo.bc.ca or TELNET 134.87.120.1
___ Offers: Educationbased BBS (Login: = GUEST) (See also: NICOL)

___ Newton TELNET newton.dep.anl.gov or TELNET 130.202.92.50
___ Offers: BBS for those teaching/studying sci., CS, math. (Login: = bbs)

___ QUERRI TELNET exnet.iastate.edu or TELNET 129.186.20.200
___ Offers: Questions on Univ. Extension. Regional Research Info(Login: = querri)

ELECTRONIC COMMERCE & WWW RESOURCES.

___ This is a fantastic list of places on the Internet, you could spend weeks browsing, it
is so full of great marketing information. One of the best places on the Internet for
Business service listings and other Information.

___ Point your WWW URL TO: http://biomed.nus.sg/people/commmenu.html

Environmental GOPHERs GOPHER GOPHER.econet.apc.org
_____TELNET envirolink.org or TELNET 128.2.19.119
____Offers: Info._on current environment concerns,_voting records,_etc.

EXEC-PC Greatest Shareware Resource I know.

EXEC-PC. By Modem: 1-414-789-4360 (9600 BD), and 414-789-4210 (2400
Bd) 1414- 789-4500 28800BD Internet Access 1-414-789-4600

Fax via Internet_____mail info@awa.com_("HELP"_in body of message)
_____FTP FTP.pandora.sf.ca.us_(get pub/elvis/faxgate.help)
_____mail tpcfaq@town.hall.org_(FREE fax to ltd._locations)

Finger via TELNET_____TELNET site 79____(example: TELNET csd4.csd.uwm.edu 79)
"site" _is the what you are fingering.__after connection,_type the username._
via Mail_____mail jfesler@netcom.com w/_subj: "#finger user@site"
_____mail dlangley@netcom.com_/w subj: "#help"

FIND ANY E-MAIL ADDRESS

The Four11 Online User Directory provides an efficient way to search
for someone's E-Mail address. The directory includes almost 500,000
listings and all Internet users are provided a free listing and
unlimited searching. E-Mail: "free@Four11.com"

"http://www.Four11.com/"

FTP

____Archie TELNET archie.au or 139.130.4.6 _____[Aussie]
_____TELNET archie.edvz.unilinz.ac.at or 140.78.3.8
_____TELNET archie.univie.ac.at or 131.130.1.23 _____[Austria]
_____TELNET archie.funet.fi or 128.214.6.102_____ [Finland]
_____TELNET archie.thdarmstadt.de or 130.83.128.111__ [Ger.]
_____TELNET archie.kuis.kyotou.ac.jp or 130.54.20.1_[Japan]
_____TELNET archie.sogang.ac.kr or 163.239.1.11 _____[Korea]
_____TELNET archie.nz or TELNET 130.195.9.4 _____[New Zealand]
_____TELNET archie.inesc.pt or 146.193.0.153 _____[Portugal]
_____TELNET archie.luth.se or TELNET 130.240.18.4 _____[Sweden]
_____TELNET archie.ncu.edu.tw or TELNET 140.115.19.24__ [TWN]
_____TELNET archie.doc.ic.ac.uk or 146.169.11.3_[UK/Ireland]
_____TELNET archie.hensa.ac.uk or 129.12.21.25__ [UK/Ireland]
_____TELNET archie.sura.net or 128.167.254.194_____ [USA_[MD]]

_____ TELNET archie.unl.edu or 129.93.1.14 _____ [USA_[NE]]
_____ TELNET archie.ans.net or 147.225.1.10 _____ [USA_[NY]]
_____ TELNET archie.rutgers.edu or 128.6.18.15 _____ [USA_[NJ]]
_____ TELNET ds.internic.net or 198.49.45.10
_____ [AT&T] Offers: Searches all FTP sites for any program you
want. __ (Login: = archie)

__ Archie Mail Servers __ mail archie@<INSERT ONE OF ABOVE ADDRESSES
HERE> Subject: help __ Offers: alternative Archie access to those w/o FTP or TELNET.

__ FTP via EMail mail FTPmail@decwrl.dec.com or FTPmail@cs.uow.edu.au
mail bitFTP@pucc.princeton.edu or FTPmail@lth.se
_____ mail bitFTP@dearn or to bitFTP@vm.gmd.de _ (Europe only)
_____ mail FTPmail@FTP.unistuttgart.de
_____ mail FTPmail@grasp.insalyon.fr or FTPmail@ieunet.ie
_____ mail bitFTP@plearn.edu.pl or bitFTP@plearn _ (Europe)
_____ mail FTPmail@doc.ic.ac.uk or
FTPmail@sunsite.unc.edu
_____ Bodyofletter: help or FTPlist for a list of anon. _ FTP sites.

__ FTP Sites/Archives __ FTP ocf.berkeley.edu or FTP 128.32.184.254
_____ Offers: cd _/pub/Library for great lib. _of docs, _bible, _lyrics, _etc.
_____ FTP wuarchive.wustl.edu or FTP sunset.cse.nau.edu
_____ Offers: Gifs, _Sights, _& _Sounds!
_____ FTP FTP.uu.net or FTP rtfm.mit.edu
_____ Offers: You name it, _it's here! _ (Archives, _FAQs, _howto's, _etc.)
_____ FTP archive.umich.edu or sumexaim.stanford.edu
_____ Offers: Software for MSDos computers, _Mac, _Amiga, _Apple2, _Apollo...
_____ FTP oak.oakland.edu
_____ Offers: A huge software archive for PCs and UNIX.
_____ FTP FTP.sura.net _(/pub/nic) _or FTP quartz.rutgers.edu
_____ Offers: Howto's about internet _ (email, _FTP, _TELNET, _etc.) _(/pub/internet)
_____ FTP quartz.rutgers.edu or FTP cathouse.org
_____ Offers: All the text/humor files you'd want _ (tv, _sex..) _cd pub/humor

__ FTP via TELNET _____ TELNET grind.isca.uiowa.edu or TELNET 128.255.200.3
_____ Offers: Access UIowa's huge FTP site via TELNET!

GALAXY - One of the finest searchable databases with great subject indexing.
__ WWW to: <http://galaxy.einet.net/galaxy.html>

GAMES/RECREATIONAL/FUN

__ Backgammon Servers __ TELNET fraggel65.mdstud.chalmers.se 4321 _ (Login: =
guest)

__Battle_____finger battle@cygnus.cp.tn.tudelft.nl

__Bridge Server_____TELNET 140.117.11.33_(Login/Password: okbridge)

__Bolo Tracker TELNET gwis.circ.gwu.edu 1234 or 128.164.140.37 1234

____Offers: Location of current bolo games.

__Chat Clients_____FTP FTP.santafe.edu_____ (4M Chat Service: /pub/SIG/4m)

_____FTP cs.bu.edu_(IRC: cd_/irc/clients____ICB: cd_/irc/icb)

____Get chat client program from FTP sites, compile program_(make)_and execute.

_____TELNET sci.dixie.edu 1_|_sh or 144.38.16.2 1_|_sh

_____TELNET rush.cc.edu 1_|_sh or TELNET 140.104.4.169 1_|_sh

____NEW!_The above gets AND compiles automagically an IRC client for UNIX.

__Chat Servers__IRC__TELNET sci.dixie.edu 6677 or TELNET 144.38.16.2 6677

_____TELNET exuokmax.ecn.uoknor.edu 6677 or 129.15.20.11

_____TELNET caen.fr.eu.undernet.org 6677 or 192.93.101.16

_____TELNET caen.fr.eu.undernet.org 7766_(For dumb terminal)

_____TELNET obelix.wuwien.ac.at 6996 or 137.208.8.6 6996

_____TELNET irc.tuzvo.sk 6668 or TELNET 192.108.157.3 6668

_____TELNET irc.nsysu.edu.tw_(Login: = irc)

____TRY compiling own client rather than using these.__(See above)_(Login: = irc)

__Chat Services_____TELNET englishserver.hss.cmu.edu

_____TELNET explorer.clark.net 1420

____Somewhere_____TELNET 129.118.41.9 2010

____FootHills_____TELNET marble.bu.edu 2010 or TELNET 128.197.10.75

2010

____The Coffee House_____TELNET 128.198.1.116 2525

____Olohof's BBS_____TELNET morra.et.tudelft.nl 2993

____DS9_____TELNET 128.8.11.201 3000

____Mansion II_____TELNET 163.200.97.1 4000

____Elec. Night Club_____TELNET 129.215.162.64 4001_(Evenings Only)

____CyberEden_____TELNET rivendel.slip.umd.edu 5000 or 128.8.11.201 5000

____Davenport Beach_____TELNET 129.74.80.116 7777

____TeleChat_____TELNET speedway.net 7777

__Chess Servers TELNET rafael.metiu.ucsb.edu 5000 or 128.111.246.2 5000

_____TELNET ics.uoknor.edu 5000 or 129.15.10.21 5000

__Chinese Chess_____TELNET coolidge.harvard.edu 5555 or 128.103.28.15 5555

TELNET hippolytos.ud.chalmers.se 5555 or 129.16.79.39

__Cookie Servers TELNET astro.temple.edu 12345 or TELNET 129.32.1.100

_____TELNET argo.temple.edu 12345 or TELNET 129.32.32.102

____Offers: Funny quote or saying everytime you TELNET there.

__Crossword Server__ TELNET next7.cas.muohio.edu 8888 or 134.53.14.117 8888
__Offers: Internet server devoted to crossword games such as Scrabble.

__CyberSleaze Report__ finger hotlist or adam@mtv.com_ (Also: GOPHER mtv.com)
__Offers: Daily reports on entertainers and such.

__Diplomacy__ mail judge@morrolan.eff.org or judge@dipvax.dsto.gov.au
mail judge@shrike.und.ac.za or judge@u.washington.edu
__Offers: Play the Avalon Hill game Diplomacy via email. _Bodyofletter: help

__Fingers for Fun__ finger info or drink or graph@drink.csh.rit.edu
finger coke@cs.cmu.edu or finger coke@xcf.berkeley.edu
finger pepsi or coca cola@columbia.edu
__Offers: Status of drink and candy machines for fun.
finger cyndiw@magnus1.com or cyndiw@198.242.50.4
__Offers: Weekly Trivia

__Game Server__ TELNET herx1.tat.physik.unituebingen.de
__Offers: Tetris, _Moria, _Nethack, _MUDs, _Text Adventures, _etc. __ (Login: = games)

__GO Server TELNET hellspark.wharton.upenn.edu 6969

__MultiTrek__ TELNET mtrek.netsys.com 1701 or TELNET 192.215.1.4
1701 Offers: Multiuser treklike game.

__Othello/Reversi__ TELNET faust.unipaderborn.de 5000 or 131.234.28.29

GEOPHYSICAL/GEOGRAPHICAL/GEOLOGICAL

__Earthquake Info. __ finger quake@geophys.washington.edu __ [Wash., _Oregon]
finger
quake@fm.gi.alaska.edu __ [Alaska]
finger quake@scec2.gps.caltech.edu __ [Southern Calif.]
finger quake@slueas.slu.edu __ [Southern Illinois]
finger quake@seismo.unr.edu __ [Nevada and
California]
finger quake@andreas.wr.usgs.gov __ [Northern California]
finger
quake@eqinfo.seis.utah.edu _ [Utah, _Wyo., _Montana]
TELNET geophys.washington.edu _ (Login/password: quake)
TELNET bison.cc.buffalo.edu _ (select INDX 4 Bib. _server)
__Offers: Recent quake info _ (location, _time, _magnitude, _etc.)

__Geographic Server__ TELNET martini.eecs.umich.edu 3000 or 141.212.99.9 3000
__Offers: Info by city or area code _ (Population, _Lat./Long., _Elevation, _etc).

__Geological GOPHER__ GOPHER info.er.usgs.gov

___ Offers: US Geological Survey GOPHER

___ Global Land Info Sys TELNET glis.cr.usgs.gov or TELNET 152.61.192.54

___ Offers: Land use maps of U.S., _graphs/data of geological info_ (Login: = guest)

Global Electronic Market Service (Gems)

___ Like the Sunday Newspaper with sections on business, travel, real estate, and other subjects.

WWW TO: www.gems.com/index.html

Global Online Home Page

___ WWW to: "<http://www.cityscape.co.uk>". This U.K. based World Wide Web page points to a number of other useful sites including an excellent Internet search page. And they have that marvelous British Acent.

GNN, Global Network Navigator

___ Offered by O'Reilly & Associates, this online hypertext navigator helps Internauts navigate the Net efficiently.

___ WWW to: "<http://nearnet.gnn.com/gnn/GNNhome.html>". Excetional design and content make this World Wide Web site one of the most frequently visited.

___ URL: <http://nearnet.gnn.com>

GOPHER

Here's a list of very useful Gopher Servers

Microsoft - Download very useful Windows Files
gopher.microsoft.com

Art Gallery
world.std.com

INFOMARK
marketplace.com

Altech Howe
world.std.com

International Discount Computer
gopher.qnet.com

Berkeley Unix
gopher.bsdi.com

Moon Travel Handbooks
gopher.moon.com

CD Publisbing Corp
gopher.cdpublishing.com

Numerical Recipes
cfata4.harvard.edu

Computer Express
cexpress.com 2600

Online Bookstore
marketplace.com

Computer Modeling
telerama.lm.com

O'Reilly & Associates
ora.com

Config.sys gopher.wariat.org,	Pathfinder Press gopher.std.com
DirectWARE gopher.nstn.ns.ca	The Programmer's Shop world.std.com
Disk-O-Tape branch.com	Quantum Books of Cambridge world.std.com
Document Center doccenter.com	Sagacity Learning Universe tmn.com
FitzGerald Webber Marketing owl.nstn.ns.ca	Seaside Book @ Stamp gopher.nstn.ns.ca
Harmony Games marketplace.com	The Virtual Record Store gopher.nstn.ns.ca
Infinity Link Network Services columbia.com	Wordsworth Books gopher.wordsworth.com
InfoBook gopher.interlink.net	1-800-JUDAISM judaism.com

GOPHER Sites _____ TELNET consultant.micro.umn.edu or TELNET 134.84.132.4
 _____ TELNET seymour.md.gov or TELNET 128.8.10.46
 _____ TELNET GOPHER.msu.edu or TELNET 35.8.2.61
 _____ TELNET twosocks.ces.ncsu.edu or TELNET 152.1.45.21
 _____ TELNET cat.ohiolink.edu or TELNET 130.108.120.25
 _____ TELNET wsuaix.csc.wsu.edu _/ 134.121.1.40(Login: wsuinfo)
 _____ TELNET TELNET.wiscinfo.wisc.edu _____(Login: = wiscinfo)
 _____ TELNET infoslug.ucsc.edu or
 128.114.143.25 ____ [INFOSLUG]
 _____ TELNET infopath.ucsd.edu ____ (Login: = infopath)
 _____ TELNET sunsite.unc.edu or TELNET 198.86.40.81
 _____ TELNET ux1.cso.uiuc.edu or TELNET 128.174.5.59
 _____ TELNET panda.uiowa.edu or TELNET 128.255.40.201
 _____ TELNET inform.umd.edu or TELNET 128.8.10.29
 _____ TELNET solar.rtd.utk.edu or TELNET 128.169.112.24
 _____ TELNET grits.valdosta.peachnet.edu or 131.144.8.206
 _____ TELNET GOPHER.virginia.edu _/ 128.143.22.36(Login: = gwis)
 _____ TELNET ecosys.drdr.virginia.edu or 128.143.96.10
 _____ TELNET nicol.jvnc.net or 128.121.50.2 ____ (Login: =
 NICOL)
 _____ TELNET finfo.tugraz.ac.at or 129.27.2.4 ____ (Login: = info)

_____ TELNET info.anu.edu.au or 150.203.84.20 ____ (Login: = info)
_____ TELNET tolten.puc.cl or TELNET 146.155.1.16 ____ [Chile]
_____ TELNET GOPHER.denet.dk or TELNET 129.142.6.66 ____ [Denmark]
_____ TELNET GOPHER.thdarmstadt.de or TELNET 130.83.55.75
_____ TELNET ecnet.ec or TELNET 157.100.45.2 ____ [Ecuador]
_____ TELNET GOPHER.uv.es or TELNET 147.156.1.12 ____ [Spain]
_____ TELNET GOPHER.isnet.is or TELNET 130.208.165.63 ____ [Iclnd]
_____ TELNET siam.mi.cnr.it or TELNET
155.253.1.40 ____ [Italy] _____ TELNET GOPHER.torun.edu.pl or
158.75.2.5 ____ [Poland] _____ TELNET info.sunet.se or TELNET
192.36.125.10 ____ [Sweden] TELNET GOPHER.chalmers.se or
129.16.221.40 ____ [Sweden] _____ TELNET hugin.ub2.lu.se or TELNET
130.235.162.12 [Sweden] _____ TELNET GOPHER.itu.ch or TELNET
156.106.4.76 ____ [Switz.] TELNET GOPHER.brad.ac.uk or 143.53.2.5 ____ (Login: =
info) Offers: Access to other services, _GOPHERs, _documents, _etc. ____ (Login: =
GOPHER)

____ GOPHER _____ GOPHER englishserver.hss.cmu.edu
____ Offers: Most comprehensive GOPHER I've seen so far, _it gets its own entry!
____ GOPHER cns.csens.com
____ Offers: ASCII Clip Art, _UPI News, _Commerce Biz Daily, _Classifieds

____ GOPHERMail _____ mail GOPHERmail@ncc.go.jp or
GOPHERmail@calvin.edu
____ mail GOPHER@solaris.ims.ac.jp or mail GOPHER@earn.net
____ Offers: Email access to GOPHER for those with email only access to Internet

Ham Radio Callbooks ____ TELNET callsign.cs.buffalo.edu 2000 / _128.205.32.2 2000
____ TELNET ns.risc.net or 155.212.2.2 ____ (Login: = hamradio)
____ TELNET pc.usl.edu 2000 or TELNET 130.70.40.3 2000
____ Offers: National ham radio call-sign callbook. ____ (Also: Amateur Radio above)

Harvest is a site and a set of tools designed to suck up online info.
Think of it as giant and more capable Archie. With modest effort,
users can tailor Harvest to digest information in many different
formats and offer custom search services on the Internet. Moreover,
Harvest makes efficient use of network traffic, remote servers, and
disk space. Demos include AT&T's 1-800 phone numbers, an index of WWW
home pages, 24,000 Computer Science technical reports, and six PC
software FTP sites. There's also technical info about Harvest itself.
Try a search using your URL to see how many people have links to yopage.

"http://harvest.cs.colorado.edu/"

High Tech Research

___ Here's a link to hundreds of computer companies and their products.
___ WWW to: "<http://www-atp.llnl.gov/companies.html>" Computer and Communications Company
___ Web Page. This page is a good source of links to high-tech firms.
___ This is a tremendous resource for finding information from thousands of companies all around the world!

History Databases TELNET ukanaix.cc.ukans.edu or TELNET 129.237.33.1
___ Offers: _History databases_ (Login: = history) _and CIS info_ (Login: = exussr)
___ [FTP byrd.mu.wvnet.edu /_FTP 129.71.32.152\(/pub/history\)](http://ftp.byrd.mu.wvnet.edu/pub/history)
___ TELNET clus1.ulcc.ac.uk or TELNET 192.12.72.60
___ Offers: Docs,_archives,_comprehensive history server(Login/Password: ihruk)

HOW TO FTP

___ WWW to: <http://netcenter.com/roadmap/howtoftp.html>"
___ A brief refresher on how to transfer files on the Internet.

HOW TO GOPHER

___ WWW to: <http://netcenter.com/roadmap/gopher.html>"
___ A brief refresher on how to use a gopher on the Internet.

HP Calculator BBS TELNET hpcvbbs.cv.hp.com or TELNET 15.255.72.16
___ Offers: _BBS for HP Calc._users,_with chat mode._ (Login: = new)

Hpcwire TELNET hpcwire.ans.net or TELNET 147.225.1.51
___ Offers: Excellent menudriven information searches._ (Login: = hpcwire)___

HyTELNET Servers_____ TELNET access.usask.ca or TELNET 128.233.3.1
_____ TELNET info.ccit.arizona.edu or 129.196.76.201
_____ TELNET laguna.epcc.edu or 192.94.29.3___ (Login: = library)
_____ TELNET info.anu.edu.au or 150.203.84.20_ (Login: =library)
_____ TELNET library.adelaide.edu.au_ (Login: = access)
_____ TELNET nctucca.edu.tw or 140.111.1.10_____[TAIWAN]
_____ TELNET info.mcc.ac.uk or TELNET 130.88.200.15
_____ TELNET rsl.ox.ac.uk or TELNET 129.67.16.31
___ Offers: univ._&_ library catalogues around the world._ (Login: = hyTELNET)

IEEE SPAsystem_____ TELNET stdsbbs.ieee.org or TELNET 140.98.1.11
___ Offers: Standards Process Automation System._ (Login: = guest)

INTERNATIONAL TRADE DIRECTORY

Very important resource of hundreds of companies in the Far East wanting contacts to expand their import or export business.

WWW to: <http://FarEast.Com/HongKong/directory.html>

INTERNET AD EMPORIUM

- __Advertising for all kinds of businesses. Classified and business dossiers.
- __WWW TO: <http://mmink.cts.com/mmink/mmi.html>

INTERNET BUSINESS PAGES

- __Directory used like White Pages and Yellow Pages.
- __Contact them with email to: netpages@aldea.com or info@aldea.com

INTERACTIVE YELLOW PAGES.

- __WWW TO: <http://netcenter.com/yellows.html>
- __Listings of many companies doing business both on and off the Internet.
- __Part of the NETCENTERS Directory capabilities
- __Provides advertising space on Internet and outside the net as well.

THE INTERNET COMPANY

- __Will assist a company in bringing various projects to the net.
- __Manages several mailing lists. Also email forwarding. Consulting services to setup Gopher, FTP sites, WWW and more.
- __for more info send email to: consulting@internet.com

Internet Distribution Services, Inc.

- __Electronic marketing, publishing, and distribution services on the Internet.
- __WWW TO: <http://www.service.com/>

Internet Guides/Docs __GOPHER una.hh.lib.umich.edu (Select: inetdirs)

Internet Mall_____finger taylor@netcom.com or FTP [netcom.com_/pub/Guides](http://netcom.com/pub/Guides)
__Offers: List of commercial products orderable online, _from CDs to Sunglasses

Internet Town Hall

- __The town square where Internauts meet and browse general Internet information.
- __WWW to: "<http://www.town.hall.org/>"> An offering of the up and coming Internet Multicasting Service, the Town Hall provides business and other information. There's a restaurant menu too.

Internex Information Services

- __Rental space on the Matrix Marketplace.
- __email to: internex@internex.net

InterNIC TELNET rs.internic.net or TELNET 198.41.0.5

- __Offers: GOPHER, _WAIS, _Whois, _finger, _TONS of Internet info, _book orders, _etc

IP Address Resolver__mail resolve@cs.widener.edu

_____mail dns@grasp.insalyon.fr__(body of letter: help)

__usage: in body of letter: site_ <address here> __Mails you IP address of site.

KiwiServer - Not from Australia!

__WWW to: "http://kiwiclub.bus.utexas.edu/finance/kiwiserver/kiwiserver.html"

__Kiwi Web Server from U of Texas. Source of great economic data and a very useful Online Library.

LAW

__Access_____TELNET access.uhcc.hawaii.edu or TELNET 128.171.7.167

__Offers: Legislative Info. _Service, _Hawaii State Legislature.

GOPHER LAW Servers_____TELNET fatty.LAW.cornell.edu or TELNET 132.236.108.5

_____TELNET GOPHER.LAW.csuohio.edu or TELNET 137.148.22.51

_____TELNET acc.wuacc.edu or 192.104.1.2__(Login: = washlaw)

__Offers: Law info. _via GOPHER.__(Login: = GOPHER)

__Law Library_____TELNET liberty.uc.wlu.edu or TELNET 137.113.10.35

FTP sulaw.law.su.oz.au_(cd_/pub/law)

__Offers: Law libraries and legal research.__(Login: = lawlib)

__Offers copies of laws for each state/computer laws,_and more!

__LawNet_____TELNET lawnet.law.columbia.edu or TELNET 128.59.176.83

__Offers: Law/Judicial info and catalogs access.__(Login: = lawnet)

__Supreme Court Rulings FTP FTP.cwru.edu

__Offers: ASCII files of Supreme Court rulings in directory_/hermes

__WWW Law Servers_____TELNET WWW.LAW.indiana.edu or TELNET 129.79.131.170

_____TELNET fatty.LAW.cornell.edu or TELNET 132.236.108.5

__Offers: Hypertext access to legal documents_(Login: = WWW)

Le Louvre

__See the most famous paintings in the world on your Screen from the Louvre in Paris.

__WWW TO: "http://mistrat.enst.fr/~pioch/louvre/". This won the best use of MultiMedia Aware Documents on the Internet. You'll see why as soon as you go to WebLouvre. C'est Marveilleuse!

(If you want to see how to make artistic presentations on the Internet, this is the place to start.)

LIBRARIES

THE LIBRARY OF CONGRESS:

- ___ With links to many other related resources for finding books.
- ___ WWW to: "<http://lcweb.loc.gov/homepage/lchp.html>"

SEE ALSO - ONLINE BOOKSTORES

- TELNET info.anu.edu.au or TELNET 150.203.84.20
- _____ TELNET nessie.cc.wvu.edu or TELNET 140.160.240.11
- _____ TELNET garam.kreonet.re.kr or 134.75.30.11 (Login: = nic)
- ___ Offers: Access to nearly all online services seen in this list (Login: = LIBS)

- List of Lists _____ FTP crvax.sri.com or FTP 128.18.30.65
- ___ Offers: List of interest groups/email lists in interestgroups.

LITERATURE/BOOKS

NETCENTER BOOKSTORE

- ___ An Online Bookstore with Electronic Books.
- ___ WWW TO: <http://netcenter.com/netcentr/bookstor/index.html>
- ___ Dartmouth Library _____ TELNET library.dartmouth.edu or 129.170.16.11
- ___ Offers: Divine Comedy and reviews. _____ (connect dante)
- _____ Read/Find passages in the King James Bible (select file bible)
- ___ Read/Find passages in Shakespeare's plays (select file s plays)
- ___ Read/Find passages in Shakespeare's sonnets (select file s sonnets)
- ___ Leeds Db of Verse _____ TELNET bcmsv.leeds.ac.uk or TELNET 129.11.128.108
- ___ Offers: Database of Eng. poetry in the 17/18th c. (Login/Password: bcmsv)
- ___ Project Gutenberg _____ FTP mrcnext.cso.uiuc.edu or FTP 128.174.201.12
- ___ Offers: Many books in print and almanac files. ___ cd pub/etext

Lighthouse Productions

- ___ Will set up your Storefront, Classified, HomePage, FTP or Gopher in the NETCENTER, the CENTER of the Internet. To see what were building, WWW TO: <http://netcenter.com>. For more info email to: lite@netcom.com. Assistst all kinds of business categories. Home of the Interactive Yellow Pages and the Official Roadmap to the Information Superhighway.

MARKETING RESEARCH

MARKETBASE ONLINE CATALOG OF GOODS AND SERVICES

- ___ Online service for businesses who want to set up a store front presence.
- ___ GOPHER TO: mb.com port 70.
- ___ Telnet to: mb.com login: = mb
- ___ Extensive.

MarketPlace from Cyberspace

- ___ Another Shopping Mall. They will assist you in placing your Storefront here.
- ___ Brochures, Information Center, or Storefront.
- ___ email to: info@marketplace.com

MEDICAL/HEALTH/BIOLOGY/GENETICS

- ___ Anesthesiology GOPHER GOPHER_eja.anes.hscsy.edu
- ___ Offers: Lots of medical info, archives, and positions.
- ___ Biology GOPHERs GOPHER_fragrans.riken.go.jp
- ___ GOPHER_dna.cedb.uwf.edu
- ___ Biological Services mail_grail@ornl.gov ("help" in body of message)
- ___ Offers: Service predicting intron-exon splice sites in vertebrate genes.
- ___ [TELNET atcc.nih.gov](tel:156.40.144.248) or [TELNET 156.40.144.248](tel:156.40.144.248)
- ___ Offers: American Type Culture Collection (Login: = search Password: common)
- ___ GOPHER_life.anu.edu.au
- ___ Offers: Access to lots of biological sciences information.
- ___ CancerNets mail_cancernet@icicb.nci.nih.gov
- ___ Offers: Cancer info, statements thru email, Body of letter: help or spanish
- ___ GOPHER_nih.gov (Health & Clinical Information/)
- ___ GOPHER_gan.ncc.go.jp
- ___ [TELNET txcancer.mda.uth.tmc.edu](tel:129.106.60.97) or [TELNET 129.106.60.97](tel:129.106.60.97)
- ___ Offers: Texas Cancer Data Center. (Login: = TCDC) (See also: NICOL)
- ___ CHAT [TELNET debra.dgbt.doc.ca](tel:142.92.36.15) or [TELNET 142.92.36.15](tel:142.92.36.15)
- ___ Offers: Interactive AIDS & Epilepsy docs, simulated conversation (Login: = chat)
- ___ Educational Tech Net [TELNET etnet.nlm.nih.gov](tel:130.14.10.123) or [TELNET 130.14.10.123](tel:130.14.10.123)
- ___ Offers: Forums and discussion groups on medical tech. and edu. (Login: = etnet)
- ___ Genetics Banks mail_geneserver@bchs.uh.edu
- ___ mail_retrieve@ncbi.nlm.nih.gov
- ___ mail_blast@ncbi.nlm.nih.gov ("help" in body of message)
- ___ mail_genmark@ford.gatech.edu
- ___ mail_blocks@howard.fhcr.org
- ___ mail_cbrg@inf.ethz.ch ("help" in body of message)
- ___ mail_QUICK@EMBLHeidelberg.DE
- ___ mail_NETSERV@EMBLHeidelberg.DE
- ___ Subject: help Offers: genetic database/nucleic acid/protein sequence.
- ___ Genomic Database [TELNET morgan.jax.org](tel:192.233.41.26) or [TELNET 192.233.41.26](tel:192.233.41.26)
- ___ Offers: Genomic Database of the Mouse. (Login: = guest)
- ___ Handicap/Med. Sites [FTP handicap.shel.iscbr.com](tel:129.189.4.184) or [FTP 129.189.4.184](tel:129.189.4.184)

____ Offers: anonymous FTP of software and medical info.____
____ TELNET bongo.cc.utexas.edu or TELNET 128.83.186.13
____ Offers: Aids user in finding disability assist. equip. & serv. (Login: = tatp)

____ Healthline Info. DB TELNET selway.umd.edu or GOPHER selway.umd.edu 700
____ Offers: Drug & alcohol info, sexuality/AIDS info, etc. (Login: = health)

____ Nursing GOPHER GOPHER nightingale.con.utk.edu
____ Offers: Nursing info on research, practice, education, publications, etc.

Monochrome TELNET mono.city.ac.uk or TELNET 138.40.17.11
____ Offers: Multiuser messaging system (w/ chat) (Login/Password: mono)

MOSAIC - WHERE TO GET IT

NCSA Mosaic for WINDOWS
<http://www.ncsa.uiuc.edu/SDG/Software/WinMosaic/HomePage.html>
FTP to ftp.nc.uiuc.edu
Directory: /PC/Mosaic/
File: wmos20a5.zip

NCSA Mosaic for the Macintosh
FTP to ftp.nasa.uiuc.edu
Directory: /Mosaic/Mac/

DirMosaic demo version
FTP to ftp.spry.com
Directory: /vendor/spry/demo/

EInet MacWeb
MacWeb is a World-Wide Web, hypertext browser
FTP to ftp.einet.net
Directory: /einet/mac/macweb/
File: macweb.latest.sea.hqx

Movie Database Request movie@ibmpcug.co.uk with "HELP" in body of message
____ Offers: Info on actors, directors, movies, etc.

MUSIC

____ Billboard Charts finger buckmr@rpi.edu
____ Offers: U.S. Top Pop singles for the week.

____ Guitar Chords/TAB FTP FTP.nevada.edu or FTP 131.216.1.11
____ Offers: Tablature/Chords for guitar in /pub/guitar. Also at FTP.uu.net

____ Offers: Lyrics, chords/tablature, and music pictures. (/pub/music/...)

Music & Brain Dbase TELNET mila.ps.uci.edu or TELNET 128.200.29.81

Offers: Research on music related to behavior.(Login: = mbi Password: nammbi)

__Music Newsletter mail listserv@vm.marist.edu (internet)_or
 mail listserv@marist (bitnet)

Body of letter: SUBSCRIBE upnews_<your full name>_ Offers: Reviews, intviews

__Sid's Music Server__ mail ssowder@copper.ucs.indiana.edu

Subject: BOOTHELP Offers: Lists of rare live recordings, cd's for sale.

__Used Music Server mail usedmusicserver@wang.com w/_subject: help

Offers: Users can buy/sell/trade CDs/LPs/Tapes or subscribe to the list.

__Music List of Lists__ mail mlolrequest@wariat.org_(music list of lists)

NEWS

Electronic Journals GOPHER GOPHER.cic.net or GOPHER 192.131.22.5

TELNET enews.com or TELNET 192.215.1.51_(Login: = GOPHER)

Offers: Access to MANY electronic journals (Select Elec. Serials)

Global News Navig. URL for <http://nearnnet.gnn.com/gnn.html>

Offers: O'Reilly's GNN, accessible with URL above via Mosaic or Lynx.

ListPeriodic Posts finger.nichol@stavanger.sgp.slb.com

Offers: Listing of all FAQs, lists, and periodic postings to Usenet news.

News Mail Servers mail newsgroupname@cs.utexas.edu

mail news.group.name.usenet@decwrl.dec.com

Offers: Post to Usenet news via email.

Nntp Server List fingerlesikar@tiger.stcloud.msus.edu

Offers: A list of publicly accessible NNTP news servers.

Russia/America News TELNET solar.rtd.utk.edu or TELNET 128.169.112.24

Offers: Provides news, weather, geog., etc for each nation. (Login: = friends)

UPI News Index GOPHER cns.cscns.com (Select: CNS/ | News UPI News/)

USA Today TELNET freenetin[a,b,c].cwru.edu or 129.22.8.51

TELNET yfn2.ysu.edu or 192.55.234.50 (Login: = visitor)

Offers: USA Today Headline News, Sports, etc...

The Bible of Usenet aspires to be THE newsgroup reference. It will present info on every newsgroup out there: descriptions, FAQ files, moderators, archives, and traffic volume. You can help by contributing a newsgroup description or archived site.

Read the FAQ. The work in progress can be reached at the URL below, but careful - it's 500 K and growing.

"ftp://ftp.clark.net:/pub/usenet-b/info/bible-faq"

"ftp://ftp.clark.net:/pub/usenet-bible/report/"

Nielsen TV Ratings finger normg@halcyon.halcyon.com

___Offers: Weekly TV ratings according to the Nielsen rating system.

Oracle mail oracle@cs.indiana.edu __w/_subject: help

___Offers: The Usenet Oracle answers all your questions!_

Non-Profits

WWW TO: <http://www.ai.mit.edu/people/ellens/non.html>."> Non-Profit Organizations on the Internet. The other side of the Internet. Commerce is Internet non-profit and this is a superb collection.

ONLINE TRADE SHOWS

___1st Online Trade Show, ComOnLine (Tm) See demonstrations of the latest computer hardware and software intros. WWW TO: <http://netcenter.com/netcentr/col/index.htm>"

ONLINE CATALOGS

___WWW to: <http://netcenter.com/netcentr/mall/videos/clark.html>"
___A great look at how to set up an Online Catalog.

ONLINE STORES

___WWW to: <http://netcenter.com/netcentr/mall/index.html>"
___A great look at how to set up an Online Shopping presence.

PATENTS

___Patent Titles by E-mail: weekly mailings of al patents issues, information on
___ordering, information on specific patents
___email to: patents-request@world.std.com

Pizza

___How about a Pizza Tonight?
___The PIZZANET. Truly Amazing. Your order gets routed to the Pizza Hut in your area and a fresh, hot Pizza is delivered within minutes. What an Age we live in.
___WWW to: <http://www.pizzahut.com>

POLITICS/GOVERNMENT

___Air Pollution BBS___TELNET ttnbbs.rtpnc.epa.gov or TELNET 134.67.208.177

___Offers: Various BBS' that cover a wide range of Air Pollution information

___Al Gore has a wonderful new initiative to help them 'Reinvent the Government'. Go here with all your ideas and suggestions. Also good research for Political Scientists. Many government agencies are participating. Wait a while for them to let the rest of us in.

WWW to: <http://www.npr.gov>.

___ACE___mail info@ace.esusda.gov w/ "send help" in body of msg

___Offers: Americans Communicating Electronically.__(Gov't docs via email)

___Census Information___GOPHER GOPHER.census.gov

___Offers: Access to U.S. government's census information.

___Congress Email/FTP___mail congress@hr.house.gov and FTP FTP.senate.gov

___FedWorld Gateway___TELNET fedworld.doc.gov or TELNET 192.239.92.201

___Offers: Access to lots of gov't databases, files, libraries, etc.

___Government GOPHERs___GOPHER wiretap.spies.com_(Also see: cns.cscns.com)

___TELNET/GOPHER iitf.doc.gov_(Login: = GOPHER)

___Offers: The latter is the Information Infrastructure Task Force GOPHER.

___Iowa Polit. Stk Mkt___TELNET iem.biz.uiowa.edu or 128.255.44.2

___Offers: Buy_&_sell shares in political candidates and other stuff.

___Israel Info. Service GOPHER israelinfo.gov.il

___Offers: Latest developments in Israel, gov't info., peace relations, maps.

___Library of Congress___TELNET locis.loc.gov or TELNET 140.147.254.3

___Offers: Library of Congress Information System_(LOCIS)_Offers access

___to lib. of congress, legislative info, and copyright info.

___TELNET/GOPHER marvel.loc.gov or TELNET 140.147.2.69

___Offers: LOC GOPHER, with access to lots of gov't docs.__(Login: = marvel)

___White House Releases mail ClintonInfo@Campaign92.Org with the subject: Help

___Offers: Subscribe to White House press releases_(news, speeches, etc.)

___White House Summaries mail almanac@esusda.gov_(in msg: subscribe whsummary)

___Offers: Daily mailing of summary of White House press releases.

___Window on Gov't___TELNET window.texas.gov or TELNET 192.198.66.186

___ Offers: Governmentrelated info, _and lots of info on state of Texas.

Psychology GOPHER ___ GOPHER panda1.uottawa.ca 4010

___ Offers: Psychologyrelated GOPHER.

PublicAccess Unix TELNET nyx.cs.du.edu or 130.253.192.68 ___ (Login: = new)

___ TELNET cyberspace.org or 152.160.30.1 _ (Login: = newuser)

___ Offers: _Free account, _with access to various UNIX features _ (news, _etc)

PublicAccess Unix ___ TELNET hermes.merit.edu or TELNET 35.1.48.150

TELNET mnet.annarbor.mi.us or TELNET 35.208.17.4

___ (Which host: ummnet ___ Enter 'g' _for guest. ___ Login: = newuser)

Recipe Archives FTP gatekeeper.dec.com ___ (cd pub/recipes)

FTP mthvax.cs.miami.edu _ (cd pub/recipes)

___ FTP FTP.neosoft.com ___ (cd pub/rec.food/recipes)

___ FTP cs.ubc.ca ___ (cd pub/local/RECIPES)

___ Offers: Anonymous FTP site for MANY food recipes.

RELIGION/BIBLE

___ Christian Resources ___ FTP iclnet93.iclnet.org

___ Offers: List of WWW, _FTP, _emails _ (/pub/resources/christianresources.txt)

___ Gabriel's Horn ___ TELNET 138.26.65.78 7777 _ (Also see Dartmouth above)

___ Offers: Returns a Bible verse from the Old or New Testament

___ Jerusalem One GOPHER GOPHER jerusalem1.datasrv.co.il

___ Offers: Electronic Jews library, _info on Jewish orgs, _travel, _Israel info.

___ JewishNet ___ TELNET vms.huji.ac.il or TELNET 128.139.4.3

___ Offers: WWW w/_info. _on mailing lists, _restaurants, _etc. _ (Login: = JEWISHNET)

___ NYIsrael GOPHER ___ GOPHER israel.nysernet.org 71

___ Offers: Jewish libraries, _lists, _projects, _holocaust info, _etc.

ROADMAP TO THE INFORMATION SUPERHIGHWAY (OFFICIAL)

___ WWW TO: <http://netcenter.com/roadmap/roadmap.html>

___ Directory of HowTo find your way around the Internet as well as direct links. Help File Found in Compuserve, Winshare Forum, Lib 10 (Gen, Win Apps) and AOL, in Computing Department, Windows Section, Reference Library. Look for Roadmap*.zip (*=latest version number). Also on EXEC-PC, uncer Files, Free Area, Lighthouse Books, List Files. (414-789-4360 9600 BD & 414-789-4210 2400Bd) This list is updated on the Roadmap each month.

ROLLING STONES, THE BAND

__The World's Greatest Rock N' Roll Band? (Maybe, after the Beattles).
__WWW to: "http://www.stones.com.mbone">Lots of Fun and Marketing hype.

SCIENCE/MATH/STATISTICS

__ASCinfo_____TELNET asc.harvard.edu or TELNET 128.103.41.101
____Offers: Info._relating to Advanced XRay Astrophy._Facility_(Login: = ascinfo)

__EMath_____TELNET emath.ams.com or 130.44.1.100
____Offers:Am._Math._Soc._bbs w/_software and reviews._(Login/Password: emath)

__GAMS_____TELNET gams.nist.gov or TELNET 129.6.80.11
____Offers: _NIST Guide to Available Mathematical Software._(Login: = gams)

__Math GOPHER_____GOPHER archives.math.utk.edu
____Offers: Math archives_(software,_teaching materials,_other GOPHERs)

__NetLib_____mail netlib@ornl.gov or mail netlib@uunet.uu.net
____Offers:Math_(usually Fortran)_programs via email Bodyofletter: send index

__Nuclear Data Center_____TELNET bnld2.dne.bnl.gov or TELNET 130.199.112.132
____Offers: National nuclear data.__(Login: = nndc)

__Particle Information TELNET muse.lbl.gov or TELNET 131.243.48.11
____Offers: Lookup information on any particle!_(Login: = pdg public)

__Periodic Table_____TELNET camms2.caos.kun.nl 2034 or 131.174.82.239 2034
____Offers: electronic periodic table of elements.

__StatLib Server_____mail statlib@lib.stat.cmu.edu
____Mail with line: send index._Offers:Prgms,_Datasets,_etc._for statisticians.

__STIS_____TELNET stis.nsf.gov or 128.150.195.40
____Offers: Science_&_Technology Information System._(Login: = public)

__The Scientist_____FTP ds.internic.net__(cd pub/thescientist)
____Offers: Biweekly paper targeted at science professionals

SERVICES_____TELNET library.wustl.edu or TELNET 128.252.173.4
____Offers: Access to nearly every listed service!_(Login: = hit return)

SFI BBS_____TELNET bbs.santafe.edu_(Login: = bbs)
____Offers: Research BBS provides access to info._on Complex Systems.

SCIENCE AND TECHNOLOGY INFORMATION SYSTEM:

__National Science Foundation information, grant material, and databases.

__Telnet to: stis.nsf.gov login: = public

SCO

The Creators of UNIX. Very good resources for anyone interested in Networks, Mosaic, World Wide Web Servers, Etc.

WWW to: <http://www.sco.com>

SHOPPING MALLS

The Netcenter Shopping Mall. One of the Best.

__WWW to: <http://netcenter.com/netcentr/mall/index.html>

__A great look at how to set up an Online Shopping presence.

The Silver Platter. Search the WWW for subject matter.

__WWW to: <http://www.silverplatter.com>

SOFTWARE/Information SERVERS

__Info/Software Server TELNET rusinfo.rus.unistuttgart.de or 129.69.1.12

___Offers: journals,_unix stuff,_recipes,_online cookbook,_etc._Login: = info

Software Server(ASK)_TELNET askhp.ask.unikarlsruhe.de or 129.13.200.33

___Offers: _Online software search.__(Login/password: ask)

__ZIB Electronic Libr._TELNET elib.zibberlin.de or TELNET 130.73.108.11

___Offers: Library of software,_links to other libraries._(Login: = elib)

SPACE/ASTRONOMY

__CASS_____TELNET cass.jsc.nasa.gov or TELNET 192.101.147.17

___Offers: Center for Advanced Space Studies_(Login: = cass Passowrd: online)

__EnviroNet_____TELNET envnet.gsfc.nasa.gov or TELNET 128.183.104.16

___Offers: Space environment resource.__(Login: = envnet Password: henniker)

__Europe Space Agency__TELNET esrin.esa.it or TELNET 192.106.252.1

___Offers: Access ESA PID_(Prototype Info Dir)_&_ESIS_(Eur._Space Info System)

__FIFE_____TELNET pldsg3.gsfc.nasa.gov or TELNET 128.183.36.16

___Offers: Science,_etc._databases from satellites,_etc._(Login: = FIFEUSER)

__NASA Headline News__finger nasanews@space.mit.edu

___Offers: Recent press releases from NASA.__(See also SpaceNews)

__NASA SpaceLink_____TELNET spacelink.msfc.nasa.gov or TELNET

192.149.89.61 ___Offers: Latest NASA news,_including shuttle launches and satellite updates.

__NASDA TELNET nsaeoc.eoc.nasda.go.jp or TELNET 133.56.72.1
__Offers: National Space Development Agency of Japan_(Login: = nasdadir)

__NED TELNET ned.ipac.caltech.edu or TELNET
134.4.10.118 offers: NASA Extragalactic Database.__Bibliographies,_info._(Login: =
ned)_

__NODIS TELNET nssdc.gsfc.nasa.gov or TELNET 128.183.36.25
TELNET nssdca.gsfc.nasa.gov or TELNET 128.183.36.23
__Offers:Menu driven access to Nat'l Space Science Data Center_(Login: = nodis)

__SDDAS TELNET esp.sun.space.swri.edu 540 or 129.162.150.99 540
__Offers: SW Research Data Display_&_Analysis Center._

__SEDS GOPHER TELNET/GOPHER sed.s.lpl.arizona.edu or 128.196.64.66
ffers: Images,_software,_satellite elements,_etc._(Login/passwd: GOPHER)

__SpaceMet TELNET spacemet.phast.umass.edu or 128.119.50.48
__Offers: Science/space bbs about space exploration w/_info from NASA.

__SpaceNews finger magliaco@pilot.njin.net
__Offers: Weekly publication of space news._(See also Nasa Headline News)

__STInfo TELNET stinfo.hq.eso.org__Also: GOPHER stsci.edu
__Offers: Reports about Hubble Telescope,_press releases_(Login: = stinfo)

SPORTS

__Scores/Standings finger mlb@spam.wicat.com or mlb@192.150.148.62__(Baseball)
finger jtchern@headcrash.berkeley.edu__(Baseball)
__finger nfl@spam.wicat.com or nfl@192.150.148.62__(Football)
__finger nflline@spam.wicat.com_(NFL Line Spreads)
__Offers: Football scores,_standings,_and next weeks schedule.

__Sports Schedules NBA:TELNET culine.colorado.edu 859 /_128.138.129.170 859
__NHL: TELNET culine.colorado.edu 860 /_128.138.129.170 860
__MLB: TELNET culine.colorado.edu 862 /_128.138.129.170 862
__NFL: TELNET culine.colorado.edu 863 /_128.138.129.170 863
__finger copi@oddjob.uchicago.edu for sports schedules
__Offers: Sports schedules online.__help for help,_return for today's games.

STOCKS & BONDS

__Newsgroup: Clari.biz.market.dow. Stock & Bond closing prices. Also
__Clari.biz.market.ny, New York Stock Exchange: Clari.biz.market.otc. Most __active
Over-the Counter stocks, trends etc. Clari.biz.report - Mutual Funds.
__Clari.biz.economy - articles of interest t the business community, Mortgage __rates,

Farm Price report, GNP, Jobless Rate, CPI, etc.

TECHNOLOGY

__ WWW TO: "http://fuji.Stanford.edu/Japan_information_guide.html" U.S.-Japan Technology Management Center. A crucial site for any U.S. firm dealing in Japan. These pages can be found in the X-guide to Japan Information Resources.

TELERAMA

__ Internet Access, Domain name registration, tutorials, Gopher, and FTP space rentals. They also have a mall. Their main menu looks like a city with Bus Stop, Library, Visitor Info, etc.
__ email to: sysop@telerama.pgh.pa.us

TRADE SHOWS

__ 1st Online Trade Show, ComOnLine (Tm) See demonstrations of the latest computer hardware and software intros. WWW TO:
<http://netcenter.com/netcentr/col/index.htm>"

TRAVEL

__ Subway Navigator _____ TELNET metro.jussieu.fr 10000 or 134.157.0.132 10000
__ Offers: Search subway routes of major cities, in French or English.

The Travel Center.

__ Find exotic and interesting places to travel offering special travel bargains.
__ WWW TO: <http://netcenter/netcentr/travel/index.htm>"

__ Travel Info. Library __ FTP FTP.cc.umanitoba.ca or FTP 130.179.16.24
__ Offers: Travelogues, guides, FAQs. __ cd to the directory "rectravel"

UNC BBS TELNET launchpad.unc.edu or TELNET 152.2.22.80
__ Offers: Usenet News, Lib. of Congress, nationwide libs. (Login: = launch)

USER LOOKUP SERVICES/WHOIS SERVICES

__ Mail Srvr/Usr Lookup mail mailserver@rtfm.mit.edu
__ in body of mail message: send usenetaddresses/[name searching for]

__ Netfind User Lookup TELNET bruno.cs.colorado.edu or TELNET 128.138.243.151
_____ TELNET cobber.cord.edu or TELNET 138.129.1.32
_____ TELNET pascal.sjsu.edu or TELNET 130.65.86.15
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 ____ Offers: Weather service for Australia.
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HTML Primer
[http://www.vuv.ac.nz/who/Nathan Torkington/ideas/www-html.html](http://www.vuv.ac.nz/who/Nathan%20Torkington/ideas/www-html.html)

The CyberWeb: Resources for WWW Developers
<http://www.vcharm.net/~web>
Contact: web@charm.net
CyberWeb is an extensive collection of WWW building
tools. Excellent starting point for exploring available WWW design and use.

WWW & HTML Developer's JumpStation
<http://oneworld.wa.com/htmldev/devpage/dev-page.html>

Online Conferences

A list of mailing lists and Usenet News groups related to WW@v
http://www.leeds.ac.uk/ucs/WWW/WWW_mailing_lists.html

Style Guide for Online Hypertext

By Tim Berners-Lee (timbl@info.cern.ch)

<http://info.cern.ch/hypertext/WWW/Provider/Style/Overview.html>

This is essential reading for anyone thinking of designing their own WWW/Mosaic storefront. The Style Guide will show you how to create HTML files.

A Beginner's Guide to HTML

<http://www.ncsa.uiuc.edu/demoweb/html-primer.html>

Introduction to HTML documentation

<http://www.utirc.utoronto.ca/HTMLdocs/NewHTML/intro.html>

HTML Documentation Table of Contents

<http://www.utirc.utoronto.ca/HTMLdocs/NewHTML/htmlindex.html>

A Beginner's Guide to URLs

<http://www.ncsa.uiuc.edu/demoweb/url-primer.html>

The World Wide Web - tools for aspiring web weavers

<http://www.nas.nasa.gov/RNR/Education/geninfo/html>

Entering the World Wide Web: A Guide to Cyberspace

<http://epics.aps.anl.gov/demo/guide/www.guide.html>

Crash course on writing documents for the Web

http://www.ziff.com/~eamonn/crash_course.html

The World Wide Web (WWW) FAQ

http://siva.cshl.org/~boutell/www_faq.html

WWW Robots, Wanderers and Spiders

<http://web.nexor.co.uk/doc/robots/robots.html>

Winsock Application FAQ

<http://www.ramp.com/~cs>

A List of Browsers

<http://info.cern.ch/hypertext/WWW/Clients.html>

The Gopher FAQ

[Gopher://mudhoney.micro.umn.edu/00/Gopher.FAQ](http://mudhoney.micro.umn.edu/00/Gopher.FAQ)

PC-Mac TCP/IP & NFS FAQ List
<http://www.rtd.com/pcnfsfaq/faq.html>

Personal IP (Slip, PPP, and Winsock dialup)
<http://www.charm.net/ppp.html>

The PC-Mac TCP/IP FAQ
<http://www.rtd.com/pcnfsfaq/faq.html>
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V7

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V8 Marketing on the Internet - a Step-by-Step guide to marketing your products on the Internet.' \$39.95 (A companion book to the Electronic Bible. Learn how to create books like this one and how to market it over the Internet. Order both for a special price of only \$49.95 Just be sure and specify both Prod. # V7 & V8)

The opportunities to market your products and services on the Internet are astronomical and growing every day. More than 2 million people per month, join the Internet for finding new files and new information. Your book, your consulting services, your art work, or your hardware should be marketed on the Internet because this is the most cost-effective ways to reach millions of people.

The Internet represents a communications tool that rivals the television and will one day merge with television. However, businesses are quickly learning that promoting their products and services over the Internet today can be more effective and much less expensive (sometimes free) than buying television time. The Internet is the next premier international market place. If you have a business, or are planning to be in business over the next few decades, and you have not made plans to participate, you should think again. And you should start thinking now because, in my opinion, the next great economic expansion will happen via the Internet!

All major businesses, even non-profits, are making plans to be Online, if they aren't already. Major museums, restaurants, libraries are Online. Most cities and towns around the world will eventually have their virtual city replica Online to promote their real real estate in the world. Even President Clinton and VP Al Gore have joined the millions of us who are marketing new ideas through the Internet by creating the new White House Server as shown in Figure intro1.1 above. If you found this page on the Internet, you could click on the pictures to hear a speech by the President and/or the Vice President. There s even a sound file of the White House Pet, 'Socks' the cat. You can also do serious things like branch out to all Federal agencies who have Web servers and get information from each. You can sign their guest book. You can have a tour of the White House. There s a map for tourists. You can even learn what it is to be an Interactive Citizen . (This last piece holds great promise for the future of politics. But that s another subject completely.)

In order to be successful, you have to have a guide. I like to think of this book as your guide to your successful marketing on the Internet and a reference work that you can keep on your shelf so that when you are ready to market your products and/or services, you will have a step-by-step tutorial on how to get started and/or how to complete it, and also where to find the tools. I hope that most of my readers will be ready, TODAY, to begin marketing their products and services on the Internet and the good news is that the Internet is ready for you.

I hope you enjoy reading my book and I hope you will use all the techniques and that they all

work for you as well as they have worked for me.

V9 <<< NETCHESS \$15.00 >>>
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with an amazing book about a Park in which Dinosaurs
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in Fossil form, for HumanKind to stumble upon.

In this Super Science Fiction Thriller, Michael
Mathiesen takes us on an equally thrilling journey
into another time zone, another part of the universe
where Humanity is experimenting with its own DNA.

Since there would be far too many objectors on Earth,
NASA commissions a mission to the nearest star with
a solar system and expected conditions of life support
for any creatures that might be genetically altered
along the way by the two Scientists on Board. Dr.
Jerry Blake and his wife Ellie.

This is a knock out punch of a Classic Sci-fi jaunt
through speculative science part of which is now known
and part of which can be guessed at by very special
talents like Michael Mathiesen. This book is a MUST-
READ for anyone interested in the future of the Race,
the Human Race and all the implications that it might
have for the present.

"We are Penetrators of the Field", he said. "There
is no front, back, left or right, in or out, past,

present or future, only the Field. The atoms and sub-atoms that make up our minds and our bodies, live and die, travel throughout the cosmos and are programmed just as all living things are. We penetrate the Field and become more than just the sum of our parts when we are aware of these facts and all others that are part of the act of Creation. But not until."

V11 "How to make a Million Marketing your Shareware Programs."

If you are now a Shareware developer, you need this book. Without it, you don't stand much of a chance to make money at selling your Shareware. If you don't care about making a profit from your labor, then you shouldn't order this book. But if you definitely DO WANT TO MAKE MONEY, and substantial money, creating and marketing Shareware, you definitely must order this book. It will pay you back, 1,000 times over.

After 5 years of research, the authors have discovered all the major places along the Information Superhighway where you can put your Shareware without cost, so that you can be circulated to millions of computer users within days.

The good news is that you don't have to give it away any more and you now have a method of giving the user a chance to Try your program before he Buys, but then when and where you think he's had enough for free, he must purchase it with a credit card or by phone. Imagine having a 24 Hour credit card fulfillment, order-taking computer that is always standing by to fill your orders. Well, now it is all possible. So, If people want your software, now there is an easy way for them to purchase it over an 800# and when their credit card is approved, they get a password that decodes the rest of your program for them automatically.

You don't have to ship any more diskettes. It's all done for you automatically, 24 hrs a day. With this knowledge of how to do all this and or marketing expertise with hundreds of places you can list your Shareware, you can't fail but succeed. You have to have a good, useful program, but we tell you how to plan one of these too.

\$15.00

V12

HOW TO MAKE A MILLOIN WITH 900#S AND
THE INTERNET.

\$39.95

Many people are reaping huge profits from the InterNet and many more are reaping huge profits from the 900# business. We combine both concepts and show you how make money with both great ways of making money in an automated way.

As an information provider, your 900# has to have a good concept behind. You need something of interest to people enough so that they will pay you \$2 or \$3 per minute to get it, whatever IT is. And secondly, you need a way to advertise your 900# for free so that every caller you get is profit and not money to pay your newspaper advertising or TV advertising bills.

Most people with 900#'s don't realize that the only way to really make money is to do it WITHOUT PAYING FORDVERTISING. We got you to find this book without any advertising expense at all. We never spend a dime to advertise our publications. So, it's very easy to extend our knowledge and show you how to do the same thing with a 900#.

We're so sure this formula works, we got a 900# too. Call it and you'll see the kind of information that is both useful and profitable. OUR NUMBER IS THE NATIONAL PEOPLE'S POLL

This book is \$49 because we will save the reader hundreds of hours in searching for the right tools and we save you thousands of dollars if you made the common mistakes.

AND IT WILL MAKE YOU THOUSANDS PER MONTH.

With this book, if you go into the 900# business, you are guaranteed to make money. If you don't, we'll refund the cost of the book.

V13

HOW TO MAKE A MILLION IN MULTI-LEVEL

MARKETING, USING THE INTERNET.

Many people are looking for a great second income. You may have a job that is not paying enough to support your family, but you can not make a switch or move up the corporate ladder because of age or "office politics". You might be a woman who wants to help support the family, but you don't want to go out and take a job paying \$3.50 per hour because you are more intelligent than that and you know your intelligence and skill is worth much more than that.

If you want a second income, or you want to develop a home-based business that you can leave your present employment to pursue Full Time, or if you're in a declining business and you're looking for something new, THIS MAY BE THE BOOK FOR YOU.

This Verbon is a complete How To Manual on how to start your own Health Business and use the business marketing model of MULTI-LEVEL MARKETING. This means that you can have people working for you anywhere in the world. You sell them one pkg of material and as they sell product to their friends and neighbors you get a commission on every dollar of business they do. When they get someone to sell under them, you also get a commission. And so on. Some of the richest millionaires in this country were involved in Multi-Level Marketing, but the key is to get in BEFORE everyone on the block is signed up as a distributor as is the case with almost every Multi-Level product, EXCEPT THIS ONE.

The reason: As the world signs up their friends, more and more of them are part of your 'down-line'. THE COMPUTER TAKES care of all the billing. So, you can just sit by the pool and get a check.

But it's not that easy in the beginning. First you have to find lots of people to talk to. AND THAT'S WHY THIS BOOK IS DIFFERENT THIS MANUAL GIVES YOU A MODEL FOR CONTACTING MILLIONS OF PEOPLE OVER THE INTERNET, JUST LIKE WE CONTACTED YOU.

THE COMBINATION OF INTERNET AND MULTI-LEVEL MARKETING IS FANTASTIC FOR MAKING MONEY. BUT DON'T DELAY, there will come a time when it's all over because the market is saturated, just like anything else.

But that day is 5 - 10 years away. By that time, you can be RICH,
FINANCIALLY INDEPENDENT for the rest of your life.
But you need this book to start.

V14

"HOW TO MAKE IT IN THE STOCK MARKET WITH LESS RISK
& GREATER REWARDS."

By Merrill Armstrong

Pres. Emeritus, The National Stock Market Investors Association

Many people have tried to define a method of making money in the Stock Market THAT REDUCES RISK AND MAXIMIZES REWARD. In this manual, the nation's leading Stock Market Advisor tells us how to make money in the Market by using the OPTIONS ON MOST STOCKS, now listed.

By using OPTIONS CAREFULLY and with a goal and this plan, the average investor stands a chance against the Big Money Interests. The reason you must learn this plan if you hope to make money consistently in the Market is due to the fact that the people managing HUGE ACCOUNTS, in the billions of dollars CONTROL THE MARKET. You can't outwit them. They are going to use you to make a few percentage points each week. This is how they survive. A few points on a Billion dollars is BIG MONEY. Whereas for you it's not enough to pay your Broker's commissions.

So, in order to survive and not worry about your investment every day, you need a better plan. Yes, you can buy a mutual fund, but what fun is there in that? And besides. Mutual funds have been making big profits lately, but that means they can lose huge profits in a down-trending market which means that there must be a better way to make these kinds of profits in an up or Bullish Market, and not lose in a Down or Bearish Market.

Buing and selling Options is just such a technique. But you can't just run out there and start buying them or selling them without knowing what you're doing. This Manual of Option strategies will show you exactly what to do. Then, you can just make a few small investments to test out this system. When they work, you'll more than pay for this book and it will bring you many thousands of times in profits over the years too, if you use it consistently.

If you have any desire to get into the Stock Market, DON'T until you've read this book.

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V15

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V16

<<<< THE ROADMAP TO THE INFORMATION SUPERHIGHWAY
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Written by the publishing pioneer on the Information
SuperHighway, founder of the ELECTRONIC PUBLISHERS
ASSOCIATION, Michael Mathiesen, this book is a Bible
for anyone wanting to learn how to get the most from
the information superhighway in order to promote a
a product or service.

The old ways of doing things are similar to the horse and buggy days. They're gone forever, a bit of nostalgia and Americana. The way of the future is to use the new technology to invent, promote, develop, test, market and advertise one's skills. Laws have to change. Intellectual property rights such as Copyright and Trademark are changing. Everything is changing, but if you're a reader of this book, you can keep ahead of everything to come over the next decade. This book is your Introduction to the Internet, how to use it, how to find the right information to keep you on the cutting edge of marketing and technology.

"This is the best resource available about the Internet."
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To get to Whats New point your Reader to:

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