

THE OFFICIAL ROADMAP to

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

the Netsurfers Blessing

SUBSCRIPTION INFORMATION

GETTING AN INTERNET ACCOUNT

GETTING STARTED - INTRODUCTION

WHATS NEW - WHATS HOT

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PART TWO

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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.

You should also know that we are one of the first books of this kind. Here you have a book you can read at your convenience on your computer screen. We also support this book ONLINE with an ONLINE version. All the information in this book is just the tip of the iceberg and we are constantly adding new information for you in our NETCENTER, the Center of the Internet. To get lots more of this kind of information just point your WWW browser to

<http://netcenter.com>
Were the Center of the Internet.

If you dont already have an Internet access account, just go to the section above about how to get Internet Access and youll find how you can get one up and running within a few minutes.

INTRODUCTION

Businesses are just now waking up to the enormous marketing potential represented by the Internet - the Mother of all computer networks. In this chapter, we will start by briefly looking at the history of the Internet so you can better understand the Internet culture and heritage.

Then we will see why so many major companies (computer related and not) are jumping on the Internet and beginning to reach whole new markets. We will cover the basic Internet functions that allow you to both receive and distribute information. We will consider just how many people are really on the Internet, how fast the user base is growing, and the user demographics to help you evaluate the marketing potential offered by the Internet. Then we will look at how some businesses are marketing over the Internet. Finally, we will help you answer the question, "Should we be marketing our products/services over the Internet?"

Part One

Let's get familiar with the TOP TEN most popular Internet services today:

- * Electronic Mail
- * Telnet 5
- * File Transfer Protocol (FTP)
- * Mailing Lists
- * Usenet Newsgroups
- * Gopher and Veronica
- * The World Wide Web (WWW)
- * Archie
- * Wais
- * IRC (Internet Relay Chat)

Electronic Mail

One very common use of computer networks (including the Internet and OnLine services) is for one user to send mail (e.g. a note written within a word processing program) to the computer mail box of another user. This function is called Electronic Mail or simply Email. If you have ever played "Telephone Tag" with someone you really wanted to talk to, you know how frustrating that can be. Email offers an alternative to telephone tag. When you send an Email message, the addressee's mailbox receives the message even if the addressee is not available. Later, when that person returns from their meeting, lunch, a coffee break or whatever, they look in their Email-box and receive the message. Figure 1.1 shows a screen from a typical Email session.

It is also quite easy to respond to an E-mail message sent to you because a return message can be automatically addressed and referenced with a couple of key strokes. You can respond immediately or wait for a more convenient time. Not only can you send messages using Email but you can also send computer files. Files are the electronic "containers" in which information is stored inside a computer system. For example, I sent computer files containing the chapters of this book to my publisher over the Internet using Email. Since computer files can contain any type of information, you can also send spread sheets, computer graphics, recorded sound, computer programs, video, etc. to anyone else or any group on the Internet via Email.

In addition to exchanging messages and computer files with another Internet user, Email allows you to send (or broadcast) a message or file to many people simultaneously - a very powerful feature. I use the Email feature quite often to send hundreds of messages to the same group of people, thus expanding the reach of my announcements from a few to

hundreds of similar recipients. For example, I have used Email to automatically send Press Releases to hundreds of Media outlets. We will teach you later how to use Email to distribute your Press Releases and sales literature to thousands of interested people who request this information from you as a result of the Internet promotions we will outline in Chapters 3, 4, and 5.

Once you get used to using Email, it's difficult to go back to the old-fashioned way of receiving messages via the telephone or what's often called "Snail Mail" - the US Postal Service. To me, it would be like going back to the way the Native Americans used Smoke Signals. It's very liberating to be able to go have lunch or play a round of golf and know that the important people in your life will be getting the Email message you sent them before you left and that their reply may be available to you upon your return all taking place at everyone's convenience. Oh sure, you can always use an answering machine to answer the phone, but Email is far more useful than an answering machine in many ways. For example, answering machines can't automatically respond to inquiries while you are away Email can. With Email, I can effectively "handle" communications with hundreds, even thousands of people in a day without the use of anything other than my own desktop computer. Try to do that with an answering machine or even with a staff of people. Email is the Internet's most widely-used feature. But this is only because it takes new users a while to find the necessary software and learn how to use the other Internet functions. The software provided on the diskette in the back of this book gives you everything you need to use the Internet's Email function.

One of the most useful facilities of the Internet is Telnet. Figure 1.2 above is a picture of a typical Telnet session. The Internet's Telnet function provides a method of making your computer a terminal (a device used to interact with a computer) on any Telnet-compatible computer on the Internet. Telnet allows you to do anything any other user of that distant computer can do including execute programs, participate in OnLine "chat" sessions with other users, play games, send and receive files, etc. In most cases you are required to know the User ID (sign-on name recognized by the distant computer) and must be assigned a password (like a personal identification number, you might use on your automated teller machine card) to get into most Telnet systems. Conversely, you can use Telnet to allow people all over the world to gain access and work directly with your computer network as if they were in the same room on your keyboard.

The Telnet function is most often used to log onto a commercial service such as Netcom, an Internet Dial-Up Provider of Internet services, and have the full benefit of all their services such as Newsgroups, Email, FTP, Finger, Wais, and more. With Telnet, you have the ability to have your local computer behave as if it were directly connected to the computer network at the other end. This can be very useful for technical support, or just gaining access to information in databases on the other end of the Telnet session.

Telnet provides a remote access to thousands of other computer services on the Internet. Libraries of information and huge databases (electronic repositories of information stored in a

computer) of research material are available through Telnet. Each database may contain thousands of files you can use on your computer.

Telnet is easy to learn and easy to use. If you want to learn how to use it, just log-in to your Internet account (We will tell you all about how to get an account in Chapter 4 for those who don't already have one) until you see the prompt which should look something like "%" or "\$" and is often blinking. When you see the prompt, you can type Telnet and press the enter key. If you have this service a new prompt will appear that looks like this: Telnet>. From here, you would type in the address of the library, catalog or database you wanted to search. In this example, you would type at the prompt, "open books.com" This is the address for an OnLine bookstore called Books unlimited. At this point, you would see their menus with lots of categories of book titles to search. When you have found what you want you can order or, in many cases, retrieve the book, or publication over the phone lines to be read at your convenience off-line.

Telnet lets you have a conversation with a server at the target machine. By default, this conversation is a login session; if you type (netcom:521) telnet Mikes.stanford.EDU you will see a login prompt. You can only log in if you have a user account on Mikes. You can also use telnet to connect to other services; for example, you can get a weather report by (netcom:53) telnet ad.merit.edu

If you need to telet into NETCOM from another machine on the internet, its address is netcom.com.

FTP - File Transfer Protocol

FTP stands for File Transfer Protocol. Using FTP you can access an FTP server (another computer on the Internet who is set up to offer information to other Internet users via the FTP protocol) and actually become a user of that distant computer as with Telnet. However, with FTP, the only thing you are allowed to do on the FTP server is download files (copy files from the FTP server to your computer) or upload files (copy a file from your computer to the FTP server).

As in Telnet, during an FTP session, once again, your Email address is the Password. Most FTP sessions allow for Anonymous logon, ID. Once, connected you choose files that you want transferred to you or from you to the other party. There must be an FTP Client on one end, shown above, and an FTP Server at the other end of each session.

After you get to know FTP, you will likely find yourself using this feature of the Internet quite often to transfer files (containing anything from news stories to Hubbell Space Telescope images) from one computer to another. Many computer systems that won't let you use the Telnet function will let you use FTP to upload and download files.

With some older FTP programs, you must still master a few commands (computer words or phrases that instruct the computer to do something) involved when establishing

and conducting an FTP session. However, there are many newer FTP programs (including the FTP program provided on the diskette in the back of this book) available now for IBM compatible Personal Computers (running Microsoft Windows) and Apple Macintosh computers that make FTP as easy as using a word processor. With these new programs, the user merely uses a mouse to "point and click" at menu choices to establish FTP sessions. When used in conjunction with a computer program called ARCHIE, (Archie is merely a program that lets you type in a search word you use to search for things), you can use FTP to search thousands of databases all over the world for the file or files which contain the information you are looking for. Most directories (a list of the files stored in the computer) have a special file called an Index File that you can open first that will tell you what information is contained in each file on that particular server. The software provided on the diskette in the back of this book gives you everything you need to participate in an FTP session.

Mailing Lists

A Internet mailing list is a file that stores a group of names (and associated Internet Email addresses) with a common interest in a particular topic. Once a mailing list is started, any Internet user can add his or her name and Email address to the list (called subscribing to the

list). By doing so, you are asking that you be included in the distribution of any information related to the mailing list's subject area. It's great because you just start getting lots of messages from your subscribers in your mail box and all of them, presumably, are interested in your product or service. Mailing lists are started by Internet users who wish to share information related to their particular area of interest with other Internet users.

As of this writing, there are about 100,000 mailing lists pertaining to virtually any subject imaginable - and the number of mailing lists is growing all the time. There are mailing lists used by scientists to keep each subscriber informed of scientific discoveries and theories. There are mailing lists used by government people to keep each other informed of important events. There are mailing lists used by computer technicians to learn more about the computers they work with. There is even a mailing list on how to make beer, even Japanese Beer, or Australian beer. Oftentimes, mailing list subscribers will spin off sub-lists to discuss a separate issue related to the original.

To subscribe to a list, you send Email to a list server - an automated computer program on the network whose job it is to allow Internet users to subscribe and unsubscribe to the list in question. When you find a list that interests you, you can subscribe by sending an e-mail message to the list owner's address. You are then automatically added to the mailing list. From then on, you will automatically receive a copy (in your Email box) of any message posted to that list by any other subscriber of that list. It's like subscribing to an electronic newsletter to which everyone can contribute.

There are lists of people, reference lists of programs, documents and books and nearly anything else you can imagine.. There are even lists of lists! Once you subscribe to a mailing list, you can learn more about a mailing list's subject area by reading the messages posted to them by others or by posting your questions and watching for responses from other list subscribers. Each time you go into a mailing list and read the messages left behind by others, you learn more and more about the people in the list and the issues most important to them as a group. We will tell you how to find

appropriate mailing lists for your business in Chapter

4.

I recently started a mailing list regarding advertising on the Internet and it is developing into one of my main projects for finding new customers for my services. In

Chapter 4, we show you how to set up your own mailing lists to find people with the interests that identify them as good prospects for your products or services. If you handle your mailing list(s) properly, you can build it up to eventually have thousands upon thousands of subscribers each having demonstrated an interest in your mailing list's topic without much effort on your part. These mailing list subscribers can be thought of as your prospects just as you would consider a mailing list that you purchase today with Cheshire labels to paste onto your mass mailers. You should consider a mailing list like your very own mass mailer without the postage, printing or stuffing.

Creating a mailing list has traditionally been a carefully guarded secret by the Internet Guru's and wizards, who would rather think of themselves as having superior knowledge than you. We will dispel all this secrecy, in this book, in Chapter 4 and show you how you can set up your own mailing lists with your own rules of operation.

One note of caution - you want to be careful as to how many mailing lists you subscribe to because they can become very big and you may run out of hard drive space very quickly because just one subscription can result in many messages coming into your Email box each day. A good rule of thumb is to stay clear of any list that is larger in megabytes than your hard drives free space, or you'll soon be overwhelmed. By browsing in a list first to read the general thread (stream of past messages) taking place, you can eliminate this problem. The Chameleon Mail Manager program provided on the diskette included with this book allow you to subscribe, unsubscribe, and participate in Internet mailing lists. In fact, the Chameleon Mail Manager is one of the easiest to use programs for this purpose on the Market today. Other programs provided on the diskette will allow you to retrieve many hundreds of other programs that will simplify your Internet experience in many ways. (See Appendix D for more on this subject.)

Usenet Newsgroups

Called Online Conferences by some, Usenet Newsgroups are just like mailing lists in usage and appearance. The only way to tell them apart is by the way they are accessed. Newsgroups are found by using a Newsgroup Reader program provided by the Internet Service of choice. Mailing Lists are accessed via Email. Mailing Lists, since they are accessed by Email have a far larger potential audience of some 30 - 40 million Email users. Newsgroups, since they are accessed only with full Internet accounts have a far smaller potential audience of only about 10 million Full Internet users with Newsgroup Readers installed. Only a few of the more popular Newsgroups can have as many as 300,000 subscribers at any particular time. A more common number for Newsgroups would average around 5,000 to 10,000 subscribers. Mailing Lists can frequently have millions of subscribers, and an average might be something like 20,000 to 50,000 subscribers.

Following is the list of the seven major Newsgroup categories making up the top level of this hierarchy. While there are other categories, most of the major Newsgroups are found

within these seven categories. Each of these seven categories has hundreds or even thousands of sub-Newsgroups within the hierarchy.

COMP - Computer related topics
MISC - Miscellaneous topics
REC - Recreation related topics
SCI - Science topics
SOC - Social related issues
TALK - Like Talk Radio - anything goes.
NEWS - News
ALT - Alternate topics that don't fit in elsewhere.

This category alone has approximately 10,000 sub topics.

The COMP group above is divided into hundreds of sub-groups. You can get some idea as to the subject of a given sub-group by the nature of the Newsgroup's title. For example, the newsgroup entitled "Comp.IBM.pc.multi-media" covers multimedia issues as they relate to IBM personal computers.

As with mailing lists, you gain access to the information distributed via Newsgroups by subscribing to that newsgroup. As a subscriber, you can read messages read posted by other subscribers and leave messages for the other subscribers to see. Others, in the group, doing the same thing will eventually respond to your questions or comments.

There are literally millions of messages added to Internet Newsgroups daily. Some groups are moderated, meaning there is an administrator who filters through all the messages and only posts the ones he or she thinks appropriate to his/her group. An unmoderated newsgroup means that no one is in charge and all messages left by group members are posted.

Newsgroups are very useful in learning about almost any topic. If the society as a whole is interested in a subject, you can bet there is a Newsgroup devoted to that subject.

Mailing lists and Newsgroups are the best way to get your feet wet in the Internet. As soon as you get your Internet Account, you should join appropriate Newsgroups to see how they work and to see what kind of interests they may hold for you or your business. The rules of Netiquette (jargon for etiquette on the Internet) don't allow you to post advertising in Newsgroups. When it is done anyway, many subscribers find it very annoying because it's like junk mail in their Email boxes and any single group could be comprised by a hundred thousand people at a time. Annoying your potential customers is not a good way to start your Internet marketing efforts. However, there are ways to carefully and effectively use Newsgroups to market your products and/or services as we will see in a later chapter.

Gopher and Veronica

As the name implies, Gopher is a computer program designed to "go-for" things you ask for. The Gopher program is designed to search through Gopher Servers for the information you desire. A Gopher Server is a computer system resident on the Internet that is set up to service the information requests issued by the Gopher program. Gopher servers house all kinds of information. For example, some bookstores maintain Gopher servers that provide information on the books they carry.

The Gopher program works best when it is used in conjunction with another program called Veronica which provides another method for searching for information on Gopher servers. You will usually see Gopher teamed up with

some kind of

Gopher search program like Veronica because Gopher itself is merely a way to list information in an organized fashion. In Chapter 4, you will learn how to set up your own Gopher server containing information about your products and services.

When you start up the Gopher program on your computer, it presents you with a list of Gopher servers that are available to be searched. You then select the Gopher server of interest. If you pick the University of Illinois's Gopher server for example, the Gopher program presents you with a list of the files available to you on the University's Gopher server.

To demonstrate how a Gopher search works, let's look at a quick example. I used the Gopher client on my computer to search for books about the Microsoft's "Windows for Workgroups" computer program. All Gopher servers are linked to one another, so by searching and browsing one Gopher Server after another, I finally found the following notation in a booksellers gopher server: With this hierarchy on the Internet, if you find one Gopher server, you will soon find them all.

There was another choice presented to me by this Gopher server menu where I could fill out an order form and order this book, which I did. The bookseller asked for my business information such as Name, Address, Shipping Address, Credit Card Number which I typed in and about a week later, the book arrived via UPS. This is but one of many ways of marketing over the Internet you will learn how to do later in this book.

The Gopher services on the Internet are very popular because they are very easy to use and learn. You don't have to be a genius to use Gopher. And it's quick so you can find things fast. The Internet is not perfect and you may have difficulty getting into many Gopher servers during highusage periods. This is probably due to the traffic congestion caused when many users try to access the same Gopher server or perhaps just due to the amount of traffic on the Internet in general. Peak usage times usually coincide with normal business hours in North America. If you have trouble finding what you want or getting through to any particular Gopher server on the Internet, don't despair that is the nature of the Internet. Try again during off peak hours (say a late-night session).

The Internet's Gopher service will probably expand and improve greatly over the next few years because it is a very popular, intuitive, and useful tool. Everything on Gopher is presented in a logical, easy-to-use list of categories or other choices. However, each time a new Gopher server is added to the Internet, it must appear in the list of Gopher servers. This means that the list may expand one day to include thousands and even millions of computers making the list extremely unwieldy. For now, however, it's a very useful and easy way to move around the Internet, going from one particular project to another with very little effort or bother.

We will teach you in Chapter Four how to create a Gopher Server for your own Marketing use. One of the most important things you can do today because if you have useful information to offer on your Gopher Server, it may be copied or mirrored by

thousands of other Gopher Servers on the Internet, making it easier and easier for people to find

your information. We will teach you how to use the

Gopher in your overall marketing plan. The programs provided on the diskette included with this book allow you to download free copies of the software needed to access Gopher servers and start your own Gopher (See Appendix D). server.

The World Wide Web

The World Wide Web (also known as W3 or WWW) is newest and most significant development in the realm of the Internet. It is also the fastest growing segment of the Internet as well as the most user-friendly. It can contain your text, pictures, video and sound information where all other Internet

Services are limited to text only.

As with other Internet services, the World Wide Web consists of a group of servers on the network that are programmed to handle your information requests. You need a special program called a WWW browser to interact with WWW servers. Mosaic is an example of a popular and easy-to-use (via a graphical user interface) World Wide Web browser. Mosaic was written by a group of college students at the University of Illinois and is published as shareware which means that you can get it at no charge (we show you how in Appendix D).

You can think of the WWW as a vehicle through which anyone can publish the electronic equivalent of magazine pages. Then

any computer on the Internet equipped with a WWW browser can view these pages. Like magazine pages, WWW pages can present pictures and text in an attractive, even artistic, manner. It's the best form of electronic publishing on the Internet today.

One other interesting feature of a WWW "magazine page" is that the publisher can build in links from one WWW "magazine page" to other WWW magazines so that the reader can easily navigate through multiple WWW "magazine pages" containing related information. For example, my company's WWW server (with the front page shown in Figure 1.5) called the NETCENTER links to thousands of other publications on the Web. That's why I called it the NETCENTER.

Chapter 5 is devoted to the World Wide Web and how you can market your products or services by creating your own World Wide Web Server. Over time, providing your own WWW server will likely become the single most powerful way to market your products and services on the Information SuperHighway.

In addition to Mosaic, there are currently plans for dozens of commercial versions including Chameleon's Mosaic and one called Netscape by the original inventor of Mosaic sold by his new business called Netscape Communications. Netscape is one of the nicest WWW browsers to hit the market so

far. Looking farther down the road, there is a newer generation of WWW browsers coming from companies like Book Link who provide you with a universal browser that can seamlessly handle Gopher, FTP, Veronica, Wais as well as World Wide Web browsing. Look for more of these in the future and don't buy anything until you've seen how this new kind of universal Internet Viewer works. When they arrive, they promise to save money and make you more effective in your overall understanding of the Web.

One of the first things you should do as soon as you get an Internet Account is to use the diskette in the back of this book to find other programs such as the ones we just mentioned and others throughout this book. The BookLink Universal Viewer can be downloaded via FTP ... at ftp.booklink.com Change to the /lite directory and you will find their Shareware version. (Don't worry all of this and more program downloading is included in Appendix D, How to use the Diskette in the Back of the Book! We obviously cannot fit everything we'd like you to have on the diskette in provided with this book. However, the programs provided on the diskette do allow you to download free copies of the software needed to access WWW servers and to start your own WWW server.)

A glance at the Internet's Future

The Internet today provides the world with a new kind of broadcast medium there for the asking. The Internet functions outlined in this chapter provide very powerful communications tools that you can use right now to market products and services as well as learn more about your customers. Today, the Internet's most popular feature is Email. The power to do much more is sitting there today and we are all slowly but surely learning how to use it. If you are a publisher, you can distribute your books in electronic form over the Internet. If you're a radio talk show personality, you can record a radio talk show, convert the recording to a computer file, and distribute it over the Internet. The possibilities are endless and it's really the combination of the power on our desktops as well as the power of the Internet that is what has captured the imaginations of so many people.

And while there is plenty of marketing you can do over the Internet today, the future of the Internet holds even greater promise. I expect that the Internet will evolve the same way that the Television Industry evolved in the 50's and 60's. In those days even television was alien, boring and difficult for many folks to understand. Now, we all have a remote control unit in our homes and the trusty TV has become like a member of the family. I believe the Internet is now in the early stages of a similar adoption cycle. There are will always be companies busy developing completely new ways of using the Internet, continually making it more user-friendly as Microsoft and others market newer and better Internet software. A good example of this is the Mosaic Windows browser that was just recently introduced and is already being used by millions of people to view the World Wide Web, the most graphical of all Internet systems. When these highly creative and technical people put their talents together, as happened with the TV industry in the 50's, only then will we start to see the full potential of the Internet.

Someday, using the Internet will be as easy as sitting on your sofa using your remote control to flip through channels or "channel surf" through its many services. We can do some interesting things with this power, such as show graphics and sell products, yes, but the real potential will come when we are all glued to our monitors the way we are all glued to our TV sets. I believe this is where our Entertainment as well as our Information SuperHighway is going. To coin a phrase as well as to better grasp this potential, one might call it the "Infotainment SuperHighway." If you start working on the Internet now, you will be better positioned to

effectively use new Internet capabilities as they arise.

How fast is the Internet Growing?

Now that we have established our estimate of 20 million current Internet users (not to mention 10 million more BBS users), we must consider the growth rate of the Internet to continue our assessment of the marketing potential offered by the Internet. One measure of the growth rate of the Internet is the rate at which a copy of the popular Mosaic (the easy-to-use World Wide Web browser) program is downloaded. The World Wide Web is the most commercial part of the Internet. This makes the proliferation rate of Mosaic a good indicator of the commercial usage growth of the Internet.

By all reports of services who track this sort of thing, about 10,000 people request a copy of the Mosaic program every day! This amounts to a growing base of Internet users that is increasing by about 300,000 people per month! Now, please don't forget that Mosaic is only one of several dozen World Wide Web browsers alternatives in wide-spread use today. There are now at least two dozen companies soon to deliver a proprietary version of Mosaic. There are also completely different programs that accomplish the same thing, such as NETCRUISER from Netcom.

The growth of Mosaic is only an indicator of how fast World Wide Web access is growing. You must first have an Internet account to be able to use Mosaic. Therefore, this growth rate of 300,000 people per month is only in the number of people who can see the Internet in its premier, graphical way.

I mention this figure because if you extrapolate backwards over the preceding year or so for example, 300,000 new users per month represents over three and one half million people out there who are just getting started exploring the World Wide Web. And remember that this is just one of the Internet's many areas and as such only represents a subset of the growth of the Internet.

Another way the Internet grows is via the growth of membership of the Online Services Providers. As of this writing, American Online had tripled its membership in the preceding year and advertise that they have just crossed the million user mark. One year ago they had only 300,000 members so they have experienced a massive growth rate of 300% per year. All of these users have access to at least Internet Email and Newsgroups - with more Internet capability coming along all the time.

CompuServe currently boasts slightly over 2 million members and they had about one million a year ago. Therefore, CompuServe is growing at about 100% per year. Prodigy has about 2 million users and they had about half that many a year ago. So, they are also growing at about 100% per year. Another new service from Apple Computer, called Eworld, is adding thousands of Macintosh users each month to their roles. Eworld could have as many as 5 million subscribers in a couple years because it will cater to the Macintosh crowd. Competition may present a limiting factor to the growth of these Online services. So far, however, the rate of growth is actually expanding overall.

A smaller factor to consider, but an important one in terms of rate of growth are the dial-up

Internet providers.

The

Internet dial-up service providers such as Netcom and UUnet are currently signing up about 500 new members per day per each company! There are about 100 of these companies that we know of in the world today, few of them, as big as Netcom and UUNET, however. Conservatively, we could put this new direct dial-up figure at 100,000 more Internet accounts per month.

Now, here's the wild card in this equation. How many of these new accounts are personal and how many are businesses each bringing in multiple users is unclear at this time.

Still another engine for Internet growth is laying in the wings, namely, Bulletin Board Systems (BBSes). Today, there are about 50,000 BBS in existence in the United States alone (again, we're being conservative. I've recently seen numbers as high as 70,000 in trade magazines). Remember, A BBS is a computer system set up by your local computer guru who has connected several phone lines to his computer and invites people to call him and use his local computer services. Many people got their first introduction to networking this way. To do this, he must acquire a program, called a Bulletin Board program that allows multiple people to call in on the phone lines and meander throughout his hard disk, simultaneously.

The Bulletin Boards Systems will likely become part of the Internet in the near future because it will provide a way for more users to conveniently access their BBSes and conversely allow their users to get Internet access right through the BBS! However, very few at this point in time are actually connected to the Internet in any way. To connect to a Bulletin Boards System, your computer dials the phone number and is connected via telephone lines and modems to the Bulletin Boards System computer in someone's office or home. These range from hobbyist Bulletin Boards Systems to professional ones such as EXEC-PC or Channel 1.

If you consider Bulletin Board System to be a growth component of the Internet, you have to include all of these Bulletin Boards Systems (big or small) when considering the

Internet's growth rate. Some of the larger BBSes have thousands of callers per day. How much of it is repetition, the same folks dialing back up the next day is not easy to determine. This could arguably add another 10 - 15 million new Internet users. Judging by the 30 million modems that have been sold in the last few years, I don't feel that an estimate of 10 million individual BBS users is anything but conservative also. The BBS trade magazines all use this figure also.

The same thing is happening in the Internet technology, as we will explain more fully as we go along. Right at the moment, we have millions of people with modems who don't want to pay for the Internet connection but are willing to pay for a local BBS service to get the same kind of information. Most of us are realizing that the Internet provides much more than any BBS system and is priced about the same. So, we're all gradually moving over to the Internet directly. This is a gradual evolution and will not be completed overnight. My estimate is that by the end

of 1996, most everyone will have made the jump. Even if it means that the BBS operators themselves connect up to the Internet and bring their subscribers with them in mass. This

is happening too.

Thus, the last Internet growth area to consider and quite possibly the largest contributor to the Internet's growth, is the corporate connection. When a new company signs onto the Internet, they usually bring with them, their entire employee population. When a small company installs a modem onto their Local Area Network, they usually enable all employees with computers to be able to use this modem. That means that even if there are only 5 - 10 users on average for each Local Area Network, our most conservative industry figure, it could mean that the Internet population is doubling or even tripling every year! If you look at the growth of all these facets of the Internet, the BBSes, the Online services, the Internet itself, you come up with an average growth rate of about 15% per MONTH, or about 150% per year.

Remember, what's driving much of this growth is the desire to control costs and when you consider that a single 60 Minute International Phone connection costs about \$40.00 and an

Internet Account would allow for thousands of these types of communications for about \$30 per month, you can easily see why most if not all business interests with any kind of market exposure will be or are currently connected to the Internet.

Remember, I will tell you in several places that the Internet is still in transition. This means that someday, we'll all be using the same kind of networks, just as we all use the same kind of TV broadcast signals all over the world. Yes, there's European TV and there's North American TV signals, but it still winds up being TV programs that we all watch.

If the Internet is not yet at 20 million users, it soon will be based on any of these growth estimates. This is why I feel comfortable in using the 20 million figure. In fact, it has been said, that at its present rate of growth, every man, woman and child on the face of the Earth will have direct access to the Internet by the year 2,000, five short years away. One would have to conclude that since this is impossible, the rate of growth must slow down somewhere between now and then. So far, however, the rate of growth is increasing every month! No matter what figures you choose to use, it's safe to say that the next generation of Humanity (arriving now about every 25 - 30 years) will regard the Internet as a basic 'Life Support' utility like Heat, Light, Food, Water.

The above are excerpts from my book, 'Marketing on the Internet.' a Proven 12 Step Plan to Creating, Promoting and Marketing Your Products and Services to the Millions of Users of the Information Superhighway.'

To order the rest of this book.

Call 800-989-6733 (mention Source 382)

Available in April a new book entitled, "Marketing on the Internet, a Step-By-Step Guide to

Marketing Your Products and Services on the Internet". If you would like to learn about how to market your products on the Internet, this is the most complete book on the subject. Published by Maximum Press with over 400 pages of information on how to create an Internet Presence for your company, with complete instructions and dozens of illustrations. Nothing left to the imagination. Order now to reserve your copy due out in April 1995. Order today, we will fill orders on a first-come, first-served basis.

This is the only book about Marketing on the Internet written by someone who is successfully marketing their products, not only their books, on the Internet, Mike Mathiesen, Founder of the Netcenter & with a Foreword by Vinton Cerf, the 'Father of the Internet' If you have a product or service you would like to market on the Internet you need this book.

The book also contains a disk with SPRY's award winning "Mosaic on a Disk". This program is complete with a dialer, a graphics viewer, an Internet Hotlist, and has everything required to set up an Internet account by typing 'Install'. Everything is automatic to log-on. All other Internet Windows and Mac software provided at your first Home Page, the authors NETCENTER, filled with hundreds of updated references re: Marketing on the Internet from hundreds of different points of view on the Internet. (Internet Provider is Compuserve Network, the most reliable of all Internet networks. Cost is only \$7.95/mo with first month waived.) This disk alone represents a \$149 Retail Value.) Place your order now to be the first to receive the most comprehensive package on Internet Marketing so far.

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To order INTERNET ON A DISK. A complete Internet Account in one Phone Call and the newest and fastest Mosaic Browser, call 800-664-9042 with a credit card. The cost of the Diskette without the book is \$29.95 (includes Shipping & handling.) It also is included in the book, Marketing on the Internet for free. In retail stores this disk sells for \$99 and more.

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 you on the INFORMATION SUPERHIGHWAY in several different ways. We now have 100,000 browsers per day in our InterActive Yellow Pages on the Netcenter. This means we have one of the most highly trafficked locations for you. Accept no Substitute, advertise in our Interactive Yellow Pages, in the Center of the Internet, the NETCENTER. We still have special low introductory rates at a fraction of the other guys on the Net.

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.

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CALL (916) 395-2240 if you want to advertise on the Net.
or Email to: infodir2u@aol.com

THE INTER-ACTIVE YELLOW PAGES

You should advertise in the Interactive Yellow Pages (Tm) in the Netcenter, the Center of the Internet. The most faithful tried and true of American Directories, this is the ONLINE EDITION of the Directory of Directories. When you want to find things fast, youll find it in the Interactive Yellow Pages. We have 100,000 visitors per day, browsing through our Online Directory looking for products or services like yours.

Any company interested in the most modern and COST-EFFECTIVE way to reach millions of consumers should also look for this publication and call us to add your listing. Fees start at only \$50/mo. 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.

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 nn 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 nn, 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, nn 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 nn 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

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 andarchie, 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@mailier.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 laserdisk, 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](ftp://gopher.consultant.micro.umn.edu)

If you don't have Gopher, you can use these to get in:

[telnet consultant.micro.umn.edu](telnet://consultant.micro.umn.edu), login gopher

[telnet rs.internic.net](telnet://rs.internic.net)

Special thanks to Gopher goddess Sue Steele for her assistance.

[gopher consultant.micro.umn.edu](ftp://gopher.consultant.micro.umn.edu)

The first Gopher and the home of the Gopher project.

[gopher info.monash.edu.au](ftp://gopher.info.monash.edu.au)

Full of neat Gopher tricks. Look around a bit.

[gopher mtv.com](ftp://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](ftp://gopher.gopher.ora.com)

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

[gopher skynet.usask.ca](ftp://gopher.skynet.usask.ca)

Go immediately to the Wrong Side of the Tracks. Do not pass go.

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

gopher ietf.cnri.reston.va.us  
Even more American political information, with press briefings and  
Executive Orders online.

gopher debra.dgbt.doc.ca  
Canadian Gopher. Access to several Canadian information servers.

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

## **CHAPTER 10 -PAGE 2**

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](mailto: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](http://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'

## **PART TWO -PAGE 2**

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](mailto: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](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](mailto:catalog@cucumber.com)' or '[info@cucumber.com](mailto: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](mailto: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](mailto:info@techbooks.com)'



## PART TWO - PAGE 3

### 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](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](mailto: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".

## **PART TWO - PAGE 4**

### Music and Video

Infinity Link Network Services offers a catalog of video tapes, laserdisks, CDs and books accessible by connecting via telnet to [columbia.ilc.com](http://columbia.ilc.com) - log in as 'cas' at the prompt. Alternatively, point your gopher there with 'gopher [columbia.ilc.com](http://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](http://cdconnection.com)'

The Virtual Record Store lists over 3500 CD titles, and can be reached at gopher: [gopher.nstn.ns.ca](http://gopher.nstn.ns.ca) or URL: [gopher://owl.nstn.ns.ca:70/11/e-mall](http://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](mailto:midiwiz@interaccess.com)

Inquiries and orders by email: [midiwiz@interaccess.com](mailto: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](mailto:pink@society.com), and on the way is the new Rolling Stones tour: [stones@society.com](mailto:stones@society.com) for info.

## **PART TWO - PAGE 5**

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 McCreery 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'.

## **PART TWO - PAGE 6**

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](http://gopher.cdpublishing.com) for more information.

## **PART TWO - PAGE 7**

### 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.

## **PART TWO - PAGE 8**

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](mailto:gopher://owl.nstn.ns.ca:70/11/e-mail) or [gopher.nstn.ns.ca](mailto: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](mailto: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](mailto: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](mailto: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](mailto:infotech@fx.net)'

## **PART TWO - PAGE 9**

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](mailto: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](mailto:majordomo@world.std.com) with the message "info intltrade", or drop a note to [usa@world.std.com](mailto: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](mailto: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](http://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](mailto: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](mailto: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](mailto: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](mailto:tabeles@tmn.com) or use gopher to connect to [tmn.com](http://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](mailto: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](mailto: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

////////////////////////////////////  
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.

UTBBS  
utbbs.civ.utwente.nl  
130.89.1.219  
bbs

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

#### FOR-PAY BBSs

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

Most of these services offer telnet and FTP as features.  
All are available via the Internet.  
Certain services offer ClariNet/UPI and/or Reuters news services,  
Usenet, UNIX shells, and real-time chat.  
Tell 'em CC sent you. :)

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

United Kingdom. This one has one of the best online game setups around.  
Flight simulators, role-playing, some that have even come off GENie.  
ú9.99 per month.

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

The WELL  
well.sf.ca.us  
192.132.30.2  
San Francisco.  
The Whole Earth 'Lectronic Link.  
Arguably one of the most interesting places on the Internet.  
Price is quite steep, at over \$20/month for normal use, but this group  
is tightly-knit. Featured just about everywhere they discuss the Net.

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.



## 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](mailto: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](mailto: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](mailto: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](mailto:GOPHER.av.eecs.nwu.edu)  
\_\_\_\_ [GOPHER GOPHER.unomaha.edu](mailto: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](telnet://duat.gtefsd.com) or TELNET 131.131.7.105  
TELNET [duats.gtefsd.com](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](mailto: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](mailto: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](http://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.unilinz.ac.at](http://amdalinz.edvz.unilinz.ac.at) or 140.78.5.55

IBM PC Usergroup See Newsgroup [alt.ibm.pc.hardware](http://alt.ibm.pc.hardware).

\_\_\_ Windows Users See Newsgroup [alt.os.windows](http://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](mailto: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](mailto:alternet-info@uunet.uu.net)

\_\_\_ Global services

\_\_\_ ANS CO+RE 914-789-5300 Email to: [info@ans.net](mailto:info@ans.net)

\_\_\_ BIX 800-695-4775 Email to: [bix@genvid.com](mailto: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

\_\_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

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 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 tpcfqa@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 cocacola@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](http://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://nearnnet.gnn.com/gnn/GNNhome.html>". Excetional design and content make this World Wide Web site one of the most frequently visited.

\_\_ URL: <http://nearnnet.gnn.com>

#### GOPHER

Here's a list of very useful Gopher Servers

Microsoft - Download very useful Windows Files  
[gopher.microsoft.com](http://gopher.microsoft.com)

Art Gallery  
[world.std.com](http://world.std.com)

INFOMARK  
[marketplace.com](http://marketplace.com)

Altech Howe  
[world.std.com](http://world.std.com)

International Discount Computer  
[gopher.qnet.com](http://gopher.qnet.com)

Berkeley Unix  
[gopher.bsdi.com](http://gopher.bsdi.com)

Moon Travel Handbooks  
[gopher.moon.com](http://gopher.moon.com)

CD Publishing Corp  
[gopher.cdpublishing.com](http://gopher.cdpublishing.com)

Numerical Recipes  
[cfata4.harvard.edu](http://cfata4.harvard.edu)

Computer Express

Online Bookstore

|                                                |                                               |
|------------------------------------------------|-----------------------------------------------|
| cexpress.com 2600                              | marketplace.com                               |
| Computer Modeling<br>telerama.lm.com           | O'Reilly & Associates<br>ora.com              |
| Config.sys<br>gopher.wariat.org,               | Pathfinder Press<br>gopher.std.com            |
| DirectWARE<br>gopher.nstn.ns.ca                | The Programmer's Shop<br>world.std.com        |
| Disk-O-Tape<br>branch.com                      | Quantum Books of Cambridge<br>world.std.com   |
| Document Center<br>doccenter.com               | Sagacity Learning Universe<br>tmn.com         |
| FitzGerald Webber Marketing<br>owl.nstn.ns.ca  | Seaside Book @ Stamp<br>gopher.nstn.ns.ca     |
| Harmony Games<br>marketplace.com               | The Virtual Record Store<br>gopher.nstn.ns.ca |
| Infinity Link Network Services<br>columbia.com | Wordsworth Books<br>gopher.wordsworth.com     |
| InfoBook<br>gopher.interlink.net               | 1-800-JUDAISM<br>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 toltten.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 [Icldn]  
\_\_\_\_\_ 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)
- \_\_\_ 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](mailto:netpages@aldea.com) or [info@aldea.com](mailto: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](mailto: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](http://una.hh.lib.umich.edu) (Select: inetdirs)

Internet Mall \_\_\_\_\_ [finger.taylor@netcom.com](mailto: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](mailto:internex@internex.net)

## InterNIC

TELNET [rs.internic.net](http://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 bodyofletter: 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://mistrall.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](mailto: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 or TELNET 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 GOPHER.nih.gov (Health & Clinical Information/)  
\_\_\_\_\_GOPHER gan.ncc.go.jp  
\_\_\_\_\_TELNET txcancer.mda.uth.tmc.edu or TELNET 129.106.60.97  
\_\_Offers: Texas Cancer Data Center. (Login: = TCDC) (See also: NICOL)

\_\_CHAT \_\_\_\_\_TELNET debra.dgibt.doc.ca or TELNET 142.92.36.15  
\_\_Offers: Interactive AIDS & Epilepsy docs, simulated conversation (Login: = chat)

\_\_Educational Tech Net TELNET etnet.nlm.nih.gov or TELNET 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 or TELNET 192.233.41.26  
\_\_\_ Offers: Genomic Database of the Mouse. \_\_\_ (Login: = guest)

\_\_\_ Handicap/Med. Sites \_\_\_ FTP handicap.shel.iscbr.com or FTP 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**

See the chapter on How to Get Internet Access on the Table of Contents for the newest and latest Internet Access Account with Spry Air Mosaic. Voted the Best and Editors Choice by PC Magazine.

NCSA Mosaic for WINDOWS  
<http://t/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](mailto: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

\_\_\_ Lyric/Music Server      FTP FTP.uwp.edu

\_\_\_ 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)

\_\_\_ Bodyofletter: SUBSCRIBE upnews <your full name> \_\_\_ Offers: Reviews, interviews

\_\_\_ 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 \_\_\_\_\_ finger lesikar@tigger.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.yzu.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](mailto: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](mailto:congress@hr.house.gov) and FTP [FTP.senate.gov](ftp://ftp.senate.gov)

\_\_ FedWorld Gateway \_\_\_\_ TELNET [fedworld.doc.gov](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](http://wiretap.spies.com) (Also see: [cns.cscns.com](http://cns.cscns.com))  
\_\_\_\_ TELNET/GOPHER [iitf.doc.gov](telnet://iitf.doc.gov) (Login: = GOPHER)  
\_\_\_\_ Offers: The latter is the Information Infrastructure Task Force GOPHER.

\_\_ Iowa Polit. \_ Stk Mkt \_\_\_\_ TELNET [iem.biz.uiowa.edu](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](http://israelinfo.gov.il)  
\_\_\_\_ Offers: Latest developments in Israel, \_ gov't info., \_ peace relations, \_ maps.

\_\_ Library of Congress \_\_\_\_ TELNET [locis.loc.gov](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](telnet://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 Beatles).

\_\_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 Astrophysics 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 bnln2.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 Password: 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: Menudriven 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 seds.lpl.arizona.edu or 128.196.64.66  
ffers: Images, software, satellite elements, etc. (Login/passwrd: 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.etc. Most \_\_\_ active  
Over-the Counter stocks, trends etc. Clari.biz.report - Mutual Funds.  
\_\_\_ Clari.biz.economy - articles of interest to the business community, Mortgage \_\_\_ rates,  
Farm Price report, GNP, Jobless Rate, CPI, etc.

## TECHNOLOGY

\_\_\_ WWW TO: "[http://fuji.Stanford.edu/Japan\\_information\\_guide.html](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](mailto: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  
\_\_\_\_\_ TELNET mudhoney.micro.umn.edu or TELNET 134.84.132.7  
\_\_\_\_\_ TELNET redmont.cis.uab.edu or TELNET 138.26.64.4  
\_\_\_\_\_ TELNET ds.internic.net or TELNET 198.49.45.10  
\_\_\_\_\_ TELNET netfind.oc.com or TELNET 192.82.215.88  
\_\_\_\_\_ TELNET archie.au or TELNET 139.130.4.6  
\_\_\_\_\_ TELNET netfind.anu.edu.au or TELNET 150.203.2.14  
\_\_\_\_\_ TELNET netfind.if.usp.br or TELNET 143.107.249.132  
\_\_\_\_\_ TELNET netfind.ee.mcgill.ca or 132.206.62.30  
\_\_\_\_\_ TELNET malloco.ing.puc.cl or TELNET 146.155.1.43  
\_\_\_\_\_ TELNET netfind.vslib.cz or TELNET 147.230.16.1  
\_\_\_\_\_ TELNET nic.nm.kr or TELNET 143.248.1.100  
\_\_\_\_\_ TELNET lincoln.technet.sg or TELNET 192.169.33.6  
\_\_\_\_\_ TELNET nic.uakom.sk or TELNET 192.108.131.12  
\_\_\_\_\_ TELNET monolith.cc.ic.ac.uk or TELNET 155.198.5.3  
\_\_\_\_\_ TELNET lust.mrrl.lut.ac.uk or TELNET 158.125.220.7  
\_\_\_\_\_ TELNET dino.conicit.ve or TELNET 150.188.1.10  
\_\_\_ Offers: Give a name and organization or school, this finds a use for you.. (Login: = netfind)

#### Underworld Industries Shopping Maul

\_\_\_ Online Catalogs for the weird/cool/fringe type. University of Michigan  
\_\_\_ email to: uwi@pobox.pds.med.umich.edu

#### UUCP

\_\_\_ map entries by mail: \_\_\_ mail dns@grasp.insalyon.fr (body: help)  
\_\_\_ usage: in bodyofletter: uucp uucp site \_\_\_ Mails you UUCP map entry

#### Videos

\_\_\_ WWW TO: "<http://netcentr/mall/videos/clark.html>" Special Interest - How-To Videos.  
\_\_\_ Click Here for an extensive catalog of Ho-To Videos in all categories. Entertainment Videos too.

#### Virtual Hospital

\_\_\_ A Consortium of West Coast health care facilities that provide medical news and information for browsers. WWW TO: <http://vh.radiology.uiowa.edu>

#### WAISstation

\_\_\_\_\_ TELNET quake.think.com or TELNET 192.31.181.1  
\_\_\_\_\_ TELNET wais.com or TELNET 192.216.46.98  
\_\_\_\_\_ TELNET swais.cwis.uci.edu or 128.200.15.2

\_\_\_\_\_ TELNET sunsite.unc.edu or TELNET 198.86.40.81  
\_\_\_\_\_ TELNET info.funet.fi or 128.214.6.100 (Login: = info)  
\_\_\_\_\_ TELNET wais.nis.garr.it or 192.12.192.10 (Login: = wais)  
\_\_\_\_ Offers: Wide Area Info. Service. (Login: = swais)

#### WEATHER/ATMOSPHERIC/OCEANIC

\_\_\_\_ Auroral/Solar Report finger aurora@xi.uleth.ca or finger aurora@142.66.3.29  
\_\_\_\_\_ finger solar@xi.uleth.ca or finger solar@142.66.3.29  
\_\_\_\_\_ finger daily@xi.uleth.ca or finger daily@142.66.3.29  
\_\_\_\_ Offers: Auroral activity warnings/watches/sightings, updated hourly.  
\_\_\_\_\_ Solar = 3Hourly solar & Geophysical report, Hourly or Daily

\_\_\_\_ Avalanche Forecast mail snowfall@dcs.glasgow.ac.uk with a blank message

\_\_\_\_ Emergency Info. TELNET oes1.oes.ca.gov 5501 or 134.186.127.1 5501  
\_\_\_\_ Offers: State of Cali. Governor's Office of Emergency Services  
\_\_\_\_\_ GOPHER vita.org  
\_\_\_\_ Offers: Disaster Information Center with disaster reports & data.

\_\_\_\_ Flood GOPHER/Info TELNET idea.ag.uiuc.edu or TELNET 128.174.123.126  
\_\_\_\_\_ TELNET exnet.iastate.edu or TELNET 129.186.20.200  
\_\_\_\_ Offers: Tons of files for coping with floods and hurricanes (Login: = flood)

\_\_\_\_ NOAA TELNET esdim1.nodc.noaa.gov or TELNET 140.90.235.168  
\_\_\_\_ Offers: Nat'l Oceanic and Atmos. Admin. Lots of data! (Login: = noadir)

\_\_\_\_ Oceanic Info. Center TELNET delocn.udel.edu or TELNET 128.175.24.1  
\_\_\_\_ (Login: = info)

\_\_\_\_ Tropicl Strm Forecst finger forecast@typhoon.atmos.colostate.edu  
\_\_\_\_ Offers: Seasonal forecast for Atl. Ocn. Also: finger forecast@129.82.107.24

\_\_\_\_ Weather Services TELNET downwind.sprl.umich.edu 3000 or 141.212.196.177  
\_\_\_\_\_ TELNET wind.atmos.uah.edu 3000 or 146.229.8.2 3000  
\_\_\_\_\_ TELNET nevado.SRCC.lsu.edu (Login: = srcc)  
\_\_\_\_\_ GOPHER wx.atmos.uiuc.edu or GOPHER 128.174.80.10  
\_\_\_\_\_ mail jfesler@netcom.com w/\_subj: "#weather\_{code}"  
\_\_\_\_ Offers: City/State forecasts, ski conditions, earthquake reports, etc.  
\_\_\_\_\_ TELNET vicbeta.vic.bom.gov.au 55555 or 134.178.130.2  
\_\_\_\_ Offers: Weather service for Australia.

\_\_\_\_ Dictionary Servers TELNET cs.indiana.edu 2627 or 129.79.254.191 2627  
\_\_\_\_\_ TELNET chem.ucsd.edu or 132.239.68.1 (Login: = webster)  
\_\_\_\_\_ GOPHER wombat.doc.ic.ac.uk  
\_\_\_\_\_ mail jfesler@netcom.com w/\_subj: "#webster\_{word}"  
\_\_\_\_ Offers: Dictionary/Spelling service. Type "HELP" for info. (ALL CAPS!)

## WHAT'S NEW

- \_\_ Find out What's New on the World Wide Web and elsewhere on the Internet.
- \_\_ Updated every week. WWW to: "<http://www.directory.net>"
- \_\_ Another Great Resource: WWW to:  
<http://www.ncsa.uiuc.edu/SDG/Software/Mosaic/Docs/whats-new.html>
- \_\_ You will also want to list your HomePages here to gain the Maximum exposure.

Whois Services \_\_\_\_\_ TELNET rs.internic.net or TELNET 198.41.0.5  
\_\_\_\_\_ mail service@rs.internic.net \_\_ (w/\_subject: help \_\_ OR  
\_\_\_\_\_ send RFCxxxx.TXT, \_with xxxx being the RFC number)  
\_\_\_\_\_ TELNET info.cnri.reston.va.us 185 \_\_ (Knowbot Info Serv.)  
\_\_\_\_\_ TELNET garam.kreonet.re.kr or 134.75.30.11 \_ (Login: = nic)  
\_\_\_\_\_ TELNET paradise.ulcc.ac.uk or 128.86.8.56 \_\_ (Login: =  
dua)  
\_\_\_\_\_ FTP sipb.mit.edu \_ (pub/whois/whoisservers.list)  
\_\_\_\_\_ Offers: Way to find internet address given a keyword. \_ To access type: whois

## WORLD SOFTWARE TOOL & DIE.

- \_\_ Corporate mailboxes, domain name registration, mailing lists, FTP and Gopher sites.
- On-site Internet Training.
- \_\_ email to: [office@world.std.com](mailto:office@world.std.com)

WorldWide Web \_\_\_\_\_ TELNET WWW.njit.edu or TELNET 128.235.163.2 \_\_ (USA \_[NJ])  
\_\_\_\_\_ TELNET ukanaix.cc.ukans.edu or 129.237.1.30 \_\_ (USA \_[KA])  
\_\_\_\_\_ TELNET WWW.twi.tudelft.nl \_\_ (Login: =  
lynx) \_[NETHERLANDS]  
\_\_\_\_\_ TELNET millbrook.lib.rmit.edu.au \_ (Login: = lynx) \_[AUSSIE]  
\_\_\_\_\_ TELNET info.cern.ch or TELNET 128.141.201.74 \_\_\_\_ [SWISS]  
\_\_\_\_\_ TELNET vms.huji.ac.il or TELNET 128.139.4.3 \_\_\_\_ [ISRAEL]  
\_\_\_\_\_ TELNET sun.uakom.sk or TELNET  
192.108.131.11 \_[SLOVAKIA]  
\_\_\_\_\_ TELNET WWW.edu.tw or TELNET  
192.83.166.10 \_\_\_\_ [TAIWAN]  
\_\_\_\_\_ Offers: Access to various documents, \_lists, \_and services. \_ (Login: = WWW)

## WORLD WIDE WEB RESOURCES

HTML Language Manual  
<http://www.utirc.utoronto.ca:3232/HTMLdocs/NewHTML/intro.html>

HTML Primer  
[http://www.vuv.ac.nz/who/Nathan\\_Torkington/ideas/www-html.html](http://www.vuv.ac.nz/who/Nathan_Torkington/ideas/www-html.html)

The CyberWeb: Resources for WWW Developers

<http://www.v.charm.net/~web>

Contact: [web@charm.net](mailto: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 WWW@v

[http://www.leeds.ac.uk/ucs/WWW/WWW\\_mailing\\_lists.html](http://www.leeds.ac.uk/ucs/WWW/WWW_mailing_lists.html)

Style Guide for Online Hypertext

By Tim Berners-Lee ([timbl@info.cern.ch](mailto: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](http://www.ziff.com/~eamonn/crash_course.html)

The World Wide Web (WWW) FAQ

[http://siva.cshl.org/~boutell/www\\_faq.html](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>

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>

Or FTP to <ftp.rtd.com>

Directory: </pub/tcpip/>

File: [pcnfsfaq.txt](#)



## **PROMOTION**

### **Advertise on the Internet!**

WE CAN PUT YOUR COMPANY ON THE MAP...and IN THE CENTER OF THE INTERNET, the NETCENTER.

**<http://netcenter.com>**

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.
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By going to conferences, getting their files and tutorials, etc., you can learn what kind of electronic publishing is proper for your goals. There are many different ways to go.

But if you EXAMINE this electronic publication you can learn alot. This is one of the best examples of electronic publications we can think of. Probably because its our own. There are many others just as good. It is our purpose here to inform and to educate people about the InterNet, but as you may have noticed we are also trying to turn a profit with advertising.

There are many ways to tie advertising in with the INFORMATION SUPERHIGHWAY and in future issues of the ROADMAP, we will be showing you how. Also look up our sister publication. THE INTERACTIVE YELLOW PAGES FOR MORE IDEAS ABOUT THIS ISSUE.

One thing is clear to us. You will want to publish with the Windows Help File Format such as this one to reach the largest number of people since Windows is the largest common denominator when it comes to operating systems in existence today. And Windows will only increase its share because of the momentum it has gained.

Dont be confused by any other Electronic Publishing techniques. This is the best one for now. And tomorrow, well be using the MULTIMEDIA EDITION OF THE WINDOWS HELP FILE COMING IN THE NEXT VERSION OF WINDOWS 4.0

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THE ROADMAP TO THE INFORMATION SUPERHIGHWAY.

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## Catalog

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V1 <<< HOW TO SAVE \$100,000 OR MORE ON YOUR MORTGAGE & Repair your Credit. \$15.

In this book, we give you hundreds of tips, tricks and ideas about how to save money on your mortgage OR how to save enough money in your daily life so that you can afford to buy that first home.

Most of these ideas will be new to you and if you try them, you will find yourself on the road to financial independence. Written by specialists in all major fields of finance, they are a summary of all the best ideas gathered from thousands of clients over the years, successful in reaching their financial goals.

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V2 The New American Bible Ecology of Mind

THE NEW AMERICAN BIBLE - ECOLOGY OF MIND  
(\$15.00)

Two thousand years ago, people were inspired by the life of a great teacher to write what would later become known as 'The Bible', arguably the most important book ever published by Man. Now, the New American Bible is being compiled by people just as sincere and dedicated to the survival and betterment of

Mankind in the year 1987. It begins with the first part of the Bible, - Ecology of Mind. It was inspired by conversations between the author and 'Universal Mind' a concept new to most of us but soon to become a household word. It is a presence found in everything we can see, hear, touch or taste. It's the

Universal Force of Consciousness that produces every word we speak, every breath we take. It's found in computers, salt, potatoes, cars, animals,

even in the rocks.

If you want to know how you got here, who you are, where you are going, you will want to read this book that will someday be bigger than the original. It's all about the last days of this millennium and the beginning days of the next.

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V3 <<< OPERATION DESERT STORM \$15.00

edited by Edward R. Moro Jr.

The Gulf War as told by the Combatants who were actually there!!

"OPERATION DESERT STORM is the full story of the Recent Gulf War. It includes the stories of the pilots who flew the missions to destroy the radar sites and missile sites and the ground troops who blew away the Iraqi Soviet-built tanks and

artillery. It's a great story about the most successful war in history. Over in only 100 hours, there has never been so much destruction leveled on so many people in so short a time.

You will also read about the many acts of heroism in piloting the Apache helicopters which were so decisive in this war, the tank commanders who blew away thousands of enemy tanks, artillery, armored personnel carriers with very accurate weapons, as well as the many interesting and intriguing stories of the ground soldiers who had to flush out all the thousands of enemy prisoners of war to rescue the country of Kuwait. You will also learn about the Iraqi atrocities in this war. (Not for the squeamish.)

---

V4 <<<< RE-INVENTING AMERICA >>>>  
\$15.00

President Bill Clinton and Vice President Al Gore, Jr., been traveling all over this nation and talking about the fact that we need to RE-INVENT OUR GOVERNMENT. Well, we agree and we are certain that these two men cannot handle such a large job on their own. This Electronic Book is meant to aid them in their great



cause. With the feedback we get from the readers, and with some of our own ideas we are going to tell the folks in Washington DC just how to RE-INVENT OUR GOVERNMENT.

We desperately need your help on this one because the fools are likely to throw the baby out with the bath water. WE NEED YOU to help us TELL THEM what to keep and what to scrap! We also want them to give the people some new freedoms. We want the ability for all the voters to vote on the issues RIGHT ON THE BALLOT. We can't wait for Congress and all their dirty laundry to get the solutions out in time to solve the problems. All they do is sit around and argue with each other and try to take credit for anything good that comes along. This book teaches us all a way to OVERCOME THIS GRIDLOCK IN WASHINGTON ONCE AND FOR ALL TIME!

MAKE NO MISTAKE, this book is DYNAMITE! Nothing short of a political REVOLUTION. But they are the ones who called for it, not us! But WE THE PEOPLE are the ones who must finish it. If you love America, don't miss out on participating in the new version.

THIS BOOK IS DEMOCRACY IN ACTION .... PLEASE ORDER TODAY. \$15.00

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V5

<<< ELVIS PRESLEY'S GUIDE TO THE UNIVERSE! - (\$15.00)

By Elvis Presley - Post Mortem.

Have you ever wondered why Elvis Presley's spirit seems so Earthbound? Fifteen years after his death, people still see Elvis Presley's spirit walking around. If you read this book, you may agree that it could be because Elvis still has something very important to say.

Well, this author, didn't actually see 'The King', but he was visited by Elvis in his dreams for forty consecutive nights. In these dreams, Elvis explains everything you will ever need now or after death and beyond what our senses can tell us. It's a very good read, a quick tour through some of the most interesting concepts ever talked about. When you finish this book, you actually find

you have been on a trip through the center of the universe and back. You also feel as though you have knowledge that will help guide you through the rest of your life.

Try this one, if you're interested in the ultimate NON-FICTION adventure novel!

One of the greatest thing about this book is your introduction into what is rapidly becoming known as 'Virtual Reality'. This is the - gateway into the next century!

---

V6 <<< TOURS DE FORCE - \$15.00

Finding places to travel to that are a bit of Paradise is

harder and harder since sooner or later everyone finds out about them and then they get crowded and - no more paradise. This guide will keep you updated on places to see that are not yet discovered by everyone and ruined. Everyone thinks that a vacation in paradise is expensive, but you can find in this guide Condos and rooms for less than \$35/nite. The only real expense is the air

fare and these are at an all time low too. With advice in this guide you'll learn how to cut your lowest fare in half.

A very off-the-beaten-path travel guide. The authors take you to places on the Earth where you can finally relax and enjoy the Earth the way God intended it to be enjoyed. Some of the places visited, include the remote parts of Hawaii, Mexico, Bali, Tahiti, Europe, and even places in America where you can get to cheaply, without a great deal of hassle and when you get there, you will honestly believe you're in Paradise.

This guide is not meant for the traveler who wants to find a Hotel with all the amenities and then hang out like most Americans. This travel guide is for the truly adventurous. It is filled with air fares that are generally unknown to the public and much cheaper than what you would find at your local travel agent.

It gives much useful & needed information about what you can expect at each location. Fresh new ideas about how to take the family on an adventure that they will never forget and renew the spirit!

---

V7

<<<< E-BIBLE - \$15.00

THE ELECTRONIC BIBLE

or

HOW TO WRITE AND CREATE 'VIRTUAL BOOKS' LIKE THESE! -By

Michael Mathiesen. The nation's pioneer and most knowledgeable Electronic Publisher. The Founder of the Internet, the Center of the Internet and creator of 'Marketing on the Internet - a Step-by-Step guide to marketing your products on the Internet.' (A companion book to this one. Order both for a special price of only \$49.95)

This book explains everything you need to create 'VERBONS' or the kind of books that you are now reading. They are meant to be read on a computer screen and never actually make it to paper media unless the reader wants or needs to print it on his own personal printer. The implications of this new industry are varied and exciting.

Creating 'Virtual Books' is fun AND PROFITABLE. All you need is a personal computer. You can get ideas at any time and you don't know how to publish them. This book gives you step-by-step procedures for getting your ideas published almost instantly. New York publishers get thousands of manuscripts each day and they must invest between \$50,000 to \$100,000 to manufacture, distribute and promote a book. So, the odds are not great that you or I will ever interest a New York Publishing house. The good news is you don't have to deal with them any more because the personal computer industry has created a completely new market where no huge investment is required to publish your work. With Electronic publishing like the one you're reading now, the entire investment is only a few dollars. And you could earn more than any New York Publisher is going to pay you in royalties.

The Electronic Bible - actually a kit - will give you everything you need to make an electronic book including the program that puts it into the format that you see on your screen!

It's called hypertext.

All you need is an idea for something that lots of people would be interested to know, or be entertained by. That's the first rule! The second rule is, 'Don't try to re-invent the wheel'. Order this kit today and you will avoid all the pitfalls! Well worth the small investment to save you a great deal of time and money. If you're a budding author, you will not regret looking into this.

Oh yes, I should tell you that one of our electronic

books proved itself a hot-seller and now the New York

Publishers are coming to us with offers. So, this is the best way to become published that we know of, unless you're already a celebrity. To make a name for yourself takes years, often decades of hard work. This book will tell you how to cut that down by a large margin.

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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 way 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 is 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 is 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 is 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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Tournament.

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V10 <<< "THE PENETRATORS" Science Fiction Novel \$15.00

In Jurassic Park, Michael Chricton, entertains us  
with an amazing book about a Park in which Dinosaurs  
are re-constructed from their DNA molecules left behind  
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

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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.

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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.

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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

<<<< THE INTERACTIVE YELLOW PAGES. >>>> FREE  
WITH AN ORDER OF ANY OTHER VERBON.

A windows Help Program. Windows 3.0 and above required.  
Very simple and easy to use mouse driven search engine for  
any products for sale nationally in USA.

If you are familiar with the Yellow Pages probably sitting  
on or near your desk, then you know the power of this exciting  
new Publication. The First InterActive Yellow Pages. Currently

there are hundreds of advertisers listed herein with 800#s and  
Fax numbers so that you can easily research that next major  
or minor purchase. Eventually there will be thousands and  
then millions of advertising listings. We will be growing  
by leaps and bounds.

So, in the beginning we are making a very rare offer. This  
InterActive Yellow Pages, the first version, will be given  
away free to anyone who purchases any of our other books

in this catalog. You will also get all the upgrades up to  
but not including the CD-ROM version for free too.

Let your mouse do the walking. Fun program to learn about  
other products coming in the same format. Probably the  
most used of all your programs someday.

THE DISK VERSION IS FREE. THE CD VERSION IS \$15.00  
(ORDER NOW TO GET INTRODUCTORY  
PRICE DUE OUT IN FALL OF '94  
AND THE PRICE WILL GO TO \$39)

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V16

<<<< THE ROADMAP TO THE INFORMATION SUPERHIGHWAY  
FREE WITH ORDER OF ONE OTHER BOOK

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  
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product or service.

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