INFORMATION ABOUT THE INTERNET part 1
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A brief primer for searching the Internet

How do you search for things on the Internet without aimlessly surfing?
Wandering the Internet highway is part of the fun - but sometimes you need
specific information and can't afford to cruise all day trying to find it.

Here are a few ways to accomplish a 'net search.

Using Archie to search for files.

A SLIP/PPP connected Mac user has GUI Archie client software that is easy
to use and so we'll address the Unix dial up account holders. At the Unix
prompt enter "archie -s <name of what you want searched>. This will search
for what you entered without regard for case (capitals or small letters).
You can also type archie prog to progress a search. Prompts for the search
will be put up onscreen. If Archie isn't on your local server then try
Tenetting to a public Archie site. Telnet to "archie.internic net" or try
Telnetting to "archie.ans.net". Log in as Archie and follow the onscreen
prompts for directions on using Archie.

Using Veronica to search the Internet for resources is a farly easy
process. Point your Gopher client to the University of Minnesota
(gopher2.tc.umn.edu) and select "Other Gopher and Information Servers" and
then select "Search titles in gopherspace using Veronica". There are many
other Veronica servers out there. Try browsing any gopher until you see
an online menu that has the "Search titles... using veronica" in it.

Using Gopher to browse through "subject trees" can be just what you need
to do sometimes. Gopher to "gopher.sunet.se" and select "Subject Trees"
to find a long list of Internet Sites on every subject you could possibly
imagine. Choose one that seems right and go from there.

Using "whois" is another way to find individuals on the Internet. Telnet
to --> rs.internic.net and type in "whois" followed by a name.

Using Netfind can also be done via any Internet connection. Simply Telnet
to --> mudhoney.micro.umn.edu   logon as netfind and you'll be shown a
fairly simple menu of choices. Choose "Search" and you'll then be prompted
to enter the person and "keys". What is wanted here is the person's name
or email handle and keywords to help locate them. A report is then issued
when Netfind "fingers" the person you're seeking or will let you know if
the search has turned up nothing.

Using Hytelnet to help you search is another good idea yet it is not used
by many Internet travellers. Hytelnet lets you surf through computers
that are accessible via Telnet. Start your search by entering "hytelnet"
at the Unix prompt. If you have no success then Telnet to "access.usask.ca"
and log-in as "hytelnet"

Users who have access to the Web (use Lynx if connected via dial-up shell)
can use many web search engines. These search engines are found further in
this document. Happy search surfing!

A list of many active ARCHIE servers:

```
    archie.au                    139.130.4.6      Australia
    archie.edvz.uni-linz.ac.at   140.78.3.8       Austria
    archie.univie.ac.at          131.130.1.23     Austria
    archie.bunyip.com             132.206.44.2     Canada
    archie.cs.mcgill.ca          132.206.51.250   Canada
    archie.uqam.ca                132.208.250.10   Canada
    archie.funet.fi             128.214.6.102    Finland
    archie.univ-rennes1.fr       129.20.128.38    France
    archie.th-darmstadt.de        130.83.128.118   Germany
    archie.ac.il                132.65.16.18     Israel
    archie.unipi.it             131.114.21.10    Italy
    archie.wide.ad.jp            133.4.3.6        Japan
    archie.hana.nm.kr             128.134.1.1      Korea
    archie.sogang.ac.kr           163.239.1.11     Korea
    archie.uninett.no            128.39.2.20      Norway
    archie.rediris.es           130.206.1.2      Spain
    archie.luth.se              130.240.12.30    Sweden
    archie.switch.ch             130.59.1.40      Switzerland
    archie.ncu.edu.tw             192.83.166.12    Taiwan
    archie.doc.ic.ac.uk          146.169.11.3     United Kingdom
    archie.hensa.ac.uk            129.12.21.25     United Kingdom
    archie.unl.edu              129.93.1.14      USA (NE)
    archie.internic.net         198.49.45.10     USA (NJ)
    archie.rutgers.edu           128.6.18.15      USA (NJ)
    archie.ans.net              147.225.1.10     USA (NY)
    archie.sura.net             128.167.254.179 USA (MD)
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You can also use "Jughead" to perform Internet searches. Jughead is fast
and performs searches on high-level menu topics (it quickly searches for
gopher menu titles with the same keyword as you entered and does not try
to search inside documents or deep inside directories - that's why it's
fast). After Jughead is done the search you requested it returns a custom
Gopher menu of all the sites that fit your description based upon the
search keyword or criteria you gave it. Pick the gopher sites you want
off the list - and away you go - burrowing through Gopher space to find
more about the topic you picked...

Here's one way to access Jughead
Gopher to: liberty.uc.wlu.edu   in the --> Finding Resources menu
find "Jughead" and start using this search engine to help you find
what you're looking for. It's really easy to use.

Archie by Email
Send e-mail to archie@archie.rutgers.edu with a blank subject line and
nothing but "help" in the body.   You'll get a complete description of how
to do it, including directions on finding other archie e-mail sites.

Send mail to:

archie@archie.rutgers.edu

In the body of the message write:

find wincode
quit

An hour or so later, you will receive mail with a list of sites
and directories where the windcode program can be found.   If you
write:

find win
quit

you will be mailed a list with every program containing the string
"win" in its name.   If you write:

help

in the body of the message, you will be mailed detailed
instructions on how to use archie, and and a list of archie
servers worldwide.

I hope this will be of help.

Here is a list of available ftpmail-servers.

Use these servers to FTP via email.
You must have the correct ftp address and pathway (directory path)
to the file(s) you wish to obtain.

ftpmail@cs.uow.edu.au
ftpmail@grasp.insa-lyon.fr
ftpmail@ftp.uni-stuttgart.de
ftpmail@doc.ic.ac.uk
ftpmail@ieunet.ie
ftpmail@lth.se
ftpmail@sunsite.unc.edu
ftpmail@ftp.uu.net
ftpmail@decwrl.dec.com

Understanding The Internet - WWW Site & Video For Beginners
http://www.screen.com/start

"Understanding the Internet" is a new WWW site which provides over 200
references for beginners, including links to the latest Internet
software, background guides, and several lists of online resources.

It was developed as an online companion to a television documentary
about the history and growth of the Internet, produced by Andrew Cochran
Associates in association with The Discovery Channel (Canada). The
documentary features interviews with pioneers of the Internet and WWW
sites of significance. A full list of the people interviewed, together
with corresponding links, is included in the site. Copies of the video
are available for sale.

CERN
http://www.cern.ch

If you want to *really* find out about the web - go here. This is the
birthplace of the WWW and it remains the site to visit to obtain almost
every available bit of information on the web that's out there. Too much
to list here - but your travels here will be info-abundant.

WebChat
http://www.irsociety.com
http://www.irsociety.com/webchat/webchat.html

The Internet Roundtable Society has created WebChat server software for
free Web distribution. The software resides on a web server and includes
such features as multiple chat rooms and different levels of discussion
moderation from no moderation to heavily moderated. Since the software
exists entirely on the web server it requires no download to the users
and no software learning curve for users. Once the software is installed
on a WWW server it works with any web browser that can support forms. Most
new versions of web browsers (Netscape, Mosaic, etc.) can support forms.
A great idea whose time has come. It gives an easy to use interface much
like AOL chat rooms and does away with often cryptic IRC sessions. No
special client software is needed by users. WebChat software is available
for download (free) in versions for Macintosh and Unix. WebChat can easily
be setup on a Mac web server using MacHTTP and the total cost is... free.

Net-happenings (info from around the Internet World)
note: this is great K-12 resource AND a great general resource!

email (listserv)
send email to: majordomo@is.internic.net
Subject: <blank - no subject>
Message body: subscribe net-happenings
Message body: subscribe net-happenings-digest

(The "digest" list is a condensed and abbreviated version of the full mail
list. Subscribe to this if you wish to receive fewer messages.)

gopher to: guru.med.cornell.edu
look in the /Academic Computing/E-Mail Lists/Net-Happenings

gopher to: samizdat.unh.edu
look in the   /The Internet/InterNIC resource announcements

WWW URL (2 sites)
http://www.internic.net/htbin/search-net-happenings
http://www-iub.indiana.edu/cgi-bin/nethaps

To search the net-happenings archives -
Telnet to: gopher.cni.org
log in as "brsuser" and follow the on-screen directions

NewbieNEWZ Roadmap

http://www.brandonu.edu/~ennsnr/Resources/Roadmap/Welcome.html

RoadMap URL - a very good way to find out where to go on the Internet. This URL list is constantly updated and maintained. A good general selection of various sites should have something for everyone. Also contains helpful information for all those "newbies" out there. Not a devoted Mac online publication - but VERY good and very well done. Worth a look-see.

Usenet FAQs (Primary Site)
ftp to: rtfm.mit.edu
gopher to: rtfm.mit.edu

This is the primary site for Usenet FAQ docs (Frequently Asked Questions) Every frequenter of Usenet should get here a few times a year to read the FAQs - even seasoned "Net Pros" come here to browse the offerings.

Web info via email
WWW by email is possible... kind of

send email to: listserv@mail.w3.org
include the complete URL in the message body and you'll receive the complete text of the page sans graphics and pictures. All the links on the page you request are numbered so it's easy to follow one. As you want to go on through the links send email again for the URL to the new links and repeat as necessary.

For further info on this service contact the following web site (or get a friend that has web access to get the info for you). It's at...
http://www.w3.org/hypertext/WWW/MailRobot/send.html

Computer Mediated Communications (CMC)
http://www.rpi.edu/~decemj/cmc/mag/current/toc.html

CMC reports on people, events, technology, public policies, practices, research, techno-culture, and anything else that has to do with computer mediated discussions or publicly accessable online forums. Whew!

Commercial Internet Services
http://www.directory.net/

A large listing of computer vendors' Web sites and home pages.

Listserv of Top-Ten URLs
To get the listserv documents follow this format:
Subject line: Subscribe top-ten
Message body: subscribe top-ten <your email address>

mail the message off to: listserv@clark.net

You'll get constant updates and new URLs that the keepers of the listserv deem as worthy of top-ten status. Always something new and interesting.

Best of Web 1994 Awards
http://wings.buffalo.edu/contest

The best of the Web as voted by more than 5000 net peers.

PC Week's Best of the Web
http://www.ziff.com/~pcweek/pcwbests.html

This is a great place to start your web surfing adventures. Launch a Net
surf from here and you may never come back. Surf's up!

ZDnet (Ziff-Davis Interactive)
http://www.ziff.com

This is a great resource for computer and technology information that
includes all of Ziff-Davis publications online, downloadable software,
computer industry news and analysis, story updates, special articles that
are not to be found in printed editions and more! The included publications
are: MacUser, MacWEEK, PCWeek, PCMagazine, ComputerLife, PC Computing,
InterActive Week, Computer Gaming World, Windows Sources, ZD Europe and
other informative links. A growing service that needs to be seen!

Aether Madness: An Offbeat Guide to the Online World
http://www.aether.com/Aether/

This book by Gary Wolf and Michael Stein is published by Peachpit Press and
the company has decided to put the complete book online. It is essentially
the same as the hard-copy published version except this hypertext version
contains scads of links to referenced services and selections discussed
throughout the book. Way cool! Take a surf here and enjoy the reading!

O'Reilly's Global Network Navigator
http://nearnet.gnn.com

Index of Net resources. Travel info, financial, weather and a host of other
links and info make this a good place to surf to.

Internet Access Using SLIP or PPP
file://ftp.digex.net/pub/access/hecker/internet/slip-ppp.txt

Frank Hecker's well written and easy to follow online document that covers
SLIP/PPP protocols and how to get connected to the Internet. The focus in
this document is non-Unix platforms (Mac, DOS/Windows, etc). Also contains
many "tips and tricks" for those already connected but would like to tweak
their connections or software for better performance.

PCLT Exit Ramp WWW site
http://pclt.cis.yale.edu/pclt/

Hypertext tour of how to properly set up Internet access. Mostly devoted

Windows and OS/2 users there are still many good points about this page.

CharmNet's Learning Page
http://www.charm.net/learning.html

Contains a plethora of links to many resources devoted to help teach and
inform how to become better connected to the Internet. A great resource!
One of the best "help centers" for understanding Internet access and 'net
protocols. This is a fine place to start learning more about the Internet.

The Websurfer's Handbook
http://www.galcit.caltech.edu/~ta/handbook.html

This is exactly how your mother didn't teach you to surf.

Global Network Navigator Help Desk
http://nearnet.gnn.com/gnn/helpdesk/index.html

This is one of the premier and best surfing start points for finding out
and understanding all about how the Internet works. Easy and breezy, this
page is clear and concise and contains many links to other great help
sites. In fact, this page is so good I've listed it as a start point in
the other section of this BIGSurf Net-List. Every 'netter should get here
at least once to check up on how the 'net works. It's a good idea to have
an understanding of the waters you'll be surfing in - get here soon!

Glossary of Internet Terms
http://www.matisse.net/files/glossary.html

So you're connected to the 'net but don't quite understand all the jargon?
No problem! Surf on over to this site to learn all about the various terms
and meanings of all those acronyms and geeky words. Hey - pretty soon YOU
will be using these terms and names like a pro wondering why everyone else
doesn't know them! This is great resource! An "Internet Dictionary" online!

Dictionary of Computing
http://wombat.doc.ic.ac.uk/

Another good computing jargon dictionary that has glossaries of Computing
and technology related terms and their meanings. Get computer literate!

How to select an Internet Provider
http://web.cnam.fr/Network/Internet-access/how_to_select.html

A good descriptive page designed to inform folks of how to best choose an
Internet service provider. Even if you're connected - see how your service
"measures up". A good document to download and send to folks who are trying
to decide which service will best suit their needs.

NetGain Newsletter

email to: netgain@netweek.com
include your name, company name (if applicable) and street address

Send a message to the above address to inquire about this unique newletter
service which provides info on domain names registry. Check out domain
names on the Internet or see if one you've been thinking about is already
taken. Info on domain registry is also available.

Internet Society Home Page
http://www.isoc.org

Internet Society's Domain Survey
http://www.nw.com

The Internet Society has always been known for its ability to glean info
from the Internet concerning facts and figures about its existence and
other things such as a continual listing of registered hosts using the
Domain name survey. Here is where you will find info that is not readily
available elsewhere. Many net-gods are members of the society so the info
here is correct, up to date, relevant and useful.

ISDN Connections Information sites

ftp://info.bellcore.com/pub/ISDN/
Bellcore's FTP server site. Has lots of ISDN related information.

telnet://isdn@bbs.combinet.com/
The Combinet ISDN BBS via telnet. Discussions, forums and all sorts of
information available on how best to connect using ISDN.

http://alumni.caltech.edu/~dank/isdn/
Dan Kegel's web page devoted to ISDN connections and how best to pick a
service provider along with many other ISDN issues and links to other
related ISDN information - well done!

http://www.crimson.com/isdn/isdnFAQ.txt
This is the web address of the FAQ archive of the Usenet newsgroup
comp.dcom.isdn which is a newsgroup devoted to the discussion of ISDN.

For MIS/IT professionals

Center for Information Systems Management
http://cism.bus.utexas.edu/issues/iindex.html
Discussion based forum for MIS/IT professionals

InfoSys Junction
http://www.rpi.edu/~okeefe/infosys/IJ.html
The preferred "hangout" of MIS folks

ISWorld Net
http://www.cox.smu.edu/mis/iswnet/home.html
Focuses on MIS training and new-technology topics and issues

MISQ Central

http://amex.cox.smu.edu:80/mis/,isq/central.html
Online version of MIS Quarterly

SECURITY RESOURCES - Leaks, Holes and Cracks in Internet Exchanges

Mailing Lists

Bugtraq
Send e-mail to: bugtraq-request@crimelab.com
Subject line: <blank>
Message body: subscribe bugtraq

CERT Advisory
Send e-mail to: cert-advisory-request@cert.org
Subject line: <blank>
Message body: subscribe cert-advisory

CERT Tools
Send email to: cert-tools-request@cert.org
Subject line: <blank>
Message body: subscribe cert-tools

FTP sites

CERT Advisories
FTP to: ftp.cert.org: in the --> /pub/cert_advisories
see the "01_README" in /cert_advisories for a list summary of advisories
(also ftp.cert.org   in the   /pub)

COAST security FTP archive
FTP to: coast.cs.purdue.edu: in the --> /pub

Security Arcive (University of Tokyo)
FTP to: theta.iis.utokyo.ac.jp   in the --> /pub1/security
A mammoth archive of security info, documents and tools

Security FAQ
FTP to: ftp.santafe.edu:
/pub/SIG/Security/FAQ.Z/rtfm.mit.edu.pub/usenet-bygroup/comp.answers
/computer-secutity
Look at the documents: "anonymous-ftp-faq", "compromise-faq", "security-patches", and "vendor-contacts"

Geez - now *that's* a killer address! Good solid info though makes it
well worth typing in the address. This is a collection of Usenet FAQs.

SPY BBS (via ftp)
FTP to: ftp.spy.org

James Bond would like this one.

GOPHER Security Sites

SPY BBS (via Gopher)
Gopher to: gopher.spy.org

WWW Internet Security Sites

bsy's Security-Related Net Pointers
http://www.cs.cmu.edu:8001/afs/cs.cmu.edu/user/bsy/www/sec.html
Complete Bugtraq archives including Bugtraq mailing list archive, also
deals with a complete Unix discussion and pointers to mounds of other
security related information.

Security HOLES
http://crimelab.com/bugtraq/bugtraq.html
Tons of info and plenty of pointers will keep you on track.

Pilot's Home Page
http://pilot.net

SAIC Waterridge Home page
http://mls.saic.com/mls.text.html

Security Reference Index
http://www.tansu.com.au/Info/security.html

Unix Security Information
http://www.alw.nih.gov/~jbk/security.html

SPY BBS
http://www.spy.org

PGP (Pretty Good Privacy data encryption by Phillip Zimmermann)
Freeware Mac versions of this excellent encryption software are available.

The PGP FAQ
FTP to: ftp.netcom.com   in the --> /pub/gbe
the file name is pgpfaq-<version number>.asc

Complete PGP site list
FTP to: ftp.csn.net   in the --> /mpjftp.csn.net/mpj
FTP to: ftp.csn.net   in the --> /mpj
both addresses (and dirs) have the file "getpgp.asc"

Excellent site and information list on how to obtain PGP. Includes info
on pointers on PGP web sites, BBSs and FTP sites.

PGP Web pages

http://www.mantis.co.uk/pgp/pgp.html
http://www.ifi.uio.no/~staalesc/PGP/

PGP Telnet site
Telnet to: net-dist.mit.edu
log-in as: "getpgp"
You will be asked four questions and then be told where to get the latest
version of PGP via anonymous FTP. If you are not an American citizen an
Archie search is the recommended way to find PGP. Do an Archie search for
pgp262 ("archie -s pgp262") Or try an Archie search for pgp2.3 or 2.3a. If
that still doesn't retrieve anything as a last resort try a search on "pgp"

Public Key Directories
http://www.four11.com
email to: info@four11.com

SATAN (System Administrator Tool for Analyzing Networks)
ftp://gatekeeper.dec.com/pub/net/SATAN/
ftp://ftp.cs.ruu.nl/pub/SECURITY/
ftp://ftp.demon.co.uk/pub/mirrors/satan/
ftp://ftp/lerc.nasa.gov/security/

Written by Dan Farmer formerly of Silicon Graphics Inc., and CERT.
SATAN (a freeware Unix based utility) scans networks looking for
vulnerabilities and misconfigured ftp setups, mail gateways and servers.
A "must have" for all who administer networks of any kind. Especially
networks hooked into the Internet. SATAN can uncover and detect security
flaws on WWW servers, anon FTP servers and POP mail sites. Hosts with
security holes were flagged and then a linked list of on-line docs
was provided by SATAN with recommendations and solutions for fixes.
SATAN uses a WWW browser for it's interface and requires Perl Version 5.

Gabriel
FTP to: ftp.lat.com

A free SATAN detector from Los Altos Technologies Inc.

BABEL: A Glossary of Computer Oriented Abbreviations and Acronyms

Use any of these methods to obtain the latest issue of Babel:

WWW: http://www.access.digex.net/~ikind/babel95b.html

FTP: ftp.temple.edu
At Login   : anonymous
At Password: your email address
cd /pub/info/help-net
get babel95b.txt

GOPHER: gopher.temple.edu
From Main Menu select:
Temple University Computer Resources and Information,

Internet & Bitnet Information (Help-Net),
Glossary of......(BABEL95B.TXT)

LISTSERV:
Send e-mail to:
listserv@vm.temple.edu   (for Internet users)
listserv@templevm   (for Bitnet users)

Subject line should be left blank.
In body of message put this command: GET BABEL95B TXT HELP-NET

Help-Net
email to: listserv@vm.temple.edu
in the message body text: subscribe help-net Your name (no don't type "your
name" in there type in your name... like... Jonathan Doe

This is a great listserv offering that is both a good help resource for
info concerning the Internet but it always contains neat and out of the
way places to visit. FTP, Telnet, Gopher and Web sites and tips are more
than abundant. If you have doubts about listservs - don't - this one is
very good and the email it generates is not overwhelming. You'll actually
be looking forward to receiving the mailings and there's always good stuff
to be read and enjoyed here. I recommend this listserv without reservation.

American Journalism Review Web Resource Center (AJR)
http://www.inforM.umd.edu/News/AJR/ajr.html

The Journalism Web Resource Center, set up by American Journalism
Review, has been expanded and updated. Here's what the site contains:

* An extensive guide to journalism-related sites on the World Wide Web,
with commentary to help you decide if you should make the jump. Topics include
publications on the Web, free speech, organizations, hot stuff, j-schools,
the important boring stuff, and articles about online journalism.

* A resource guide for AJR readers. This includes our submission guidelines,
the current Table of Contents and sample articles.

* A list of more than 40 awards, grants and scholarships available for
journalists, with contact information and deadlines.

* A Journalist's Guide to the Internet by E-mail, a story that appeared in
AJR's January/February 1995 issue that has been updated with hyperlinks. It
describes discussion lists that deal with journalism and related topics.

American Journalism Review is a monthly magazine that covers the inner
workings of the media and analyzes coverage of important issues. It's based
at the University of Maryland.

The WWW Virtual Library
http://www.stars.com/Vlib/
http://www.w3.org/hypertext/DataSources/bySubject/Overview.html

A fantastic resource on the WWW designed for info retrieval via a great

database filled with sites and info. Includes a wide array of subjects and
info. You'll use this one again and again...

Virtual Computer Library
http://www.utexas.edu.computer/vcl

Fantastic library site with all sorts of computer and computer/technology
related information. Lots of links to other sites with like interests.
Sections in the library include computing journals, computing magazines,
computing organizations, techno vendors, upcoming conferences and lots
more. A bounty of computer info - right from your easy chair via the WWW.

UnixWorld Online Magazine
http://www.wcmh.com/uworld/

UnixWorld Online (UWOL) is the free Web-based reincarnation of the
technical "Hands-On" section dropped from the McGraw-Hill publication
"Open Computing" which was known as "UnixWorld" Magazine before its name
was changed as of the January 1994 issue. UWOL includes technical feature
articles, practical how-to tutorial articles, Rebecca Thomas' "Wizard's
Grabbag" column, hardware, software, and other product reviews, Ray Swartz'
"Answers to Unix" column, and a media (largely book) review column written
by Walter Alan Zintz. A Unix users paradise.

Internet Smiley Dictionary
http://www.eff.org/papers/eegtti/eeg_286.html#SEC287

Ever wonder what all those "smiley" ascii characters or all those other
little ascii characters mean that folks use in plain text chats or plain
text communication? You'll find all sorts of "smileys" here along with lots
of other commonly used ascii expressions with their meanings. =)

Internet Service Providers List (ISP List)
http://www.primus.com/staff/peggy/provider.html
ftp://ftp.primus.com/pub/providers/isp-list

A complete listing of all the ISPs in the US. Peggy Cheng has made up a
fantastic ISP list that is updated regularly and well maintained. This is
the place you need to go if you want to know of all the offerings of 'net
service providers in your area or state or an area which you will be moving
to. This is a great resource and the 'net community thanks Peggy Cheng.

Other ISP info and lists can be found at:

POCIA Directory
http://www.teleport.com/~cci/directories/pocia/

Yahoo ISP List
http://www.yahoo.com/Regional_Information/States/