

ACCESS TO PHARMACEUTICAL SOURCES VIA INTERNET

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INTERNET

The Internet is a large network of networks. It is a cluster of networks brought together into one great living body, communicating at amazing speeds with a common protocol. All activity takes place in real-time¹.

ANONYMOUS FTP

FTP (File Transfer Protocol) is the primary method of transferring files over the Internet. On many systems, it's also the name of the program that implements the protocol. Given proper permission, it's possible to copy a file from a computer in South Africa to one in Istanbul at very fast speeds (on the order of 5-10K per second)^{2,3,4}.

ARCHIE

A service which provides lookups for packages in a database of the offerings of countless of anonymous FTP sites⁵.

ARCHIES

archie.ans.net (New York, USA)
archie.rutgers.edu (New Jersey, USA)
archie.sura.net (Maryland, USA)
archie.unl.edu (Nebraska, USA)
archie.mcgill.ca (the first Archie server, in Canada)
archie.funet.fi (Finland)
archie.au (Australia)
archie.doc.ic.ac.uk (Great Britain)

WHAT IS USENET?

Usenet is the set of machines that exchange articles tagged with one or more universally-recognized labels, called newsgroups (or groups for short)⁶.

DOMAINS

The general form: A person's e-mail address on a computer:

user@somewhere.domain

A computer's name:

somewhere.domaincom

Usually a company or other commercial institution or organization, like Convex Computers (convex.com)⁷.

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edu

An educational institution, e.g. Gazi University, named gazi.edu.

org

This is a domain reserved for private organizations, who don't comfortably fit in the other classes of domains. One example is the World Health Organization named who.org.

mil

A military site, like the Air Force (af.mil).

gov

A government site; for example, tubitak is tubitak.gov, fda.gov, nasa.gov, etc.

net

Gateways and other administrative hosts for a network(it does not mean all of the hosts in a network).

Each country has its own top-level domain^{6,7}. For example, the US domain includes the fifty states. Other countries represented with domains include:

- au** Australia
- ca** Canada
- fr** France
- tr** Turkey
- uk** The United Kingdom.

comp

Topics of interest to both computer professionals and hobbyists, including topics in computer science, software sources, and information on hardware and software systems.

sci

Discussions marked by special knowledge relating to research in or application of the established sciences.

soc

Groups primarily addressing social issues and socializing. Included are discussions related to many different world cultures.

talk

Groups largely debate-oriented and tending to feature long discussions without resolution and without appreciable amounts of generally useful information.

news

Groups concerned with the news network, group maintenance, and software.

rec

Groups oriented towards hobbies and recreational activities

biz

Business-related groups.

alt

True anarchy; anything and everything can and does appear; subjects include sex, the Simpsons, and privacy.

Telnet

Telnet is the main Internet protocol for creating a connection with a remote machine. It gives the user the opportunity to be on one computer system and do work on another, which may be across the street or thousands of kilometers away.

telnet - II

Where modems are limited, in the majority, by the quality of telephone lines and a single connection, telnet provides a connection that's error-free and nearly always faster than the latest conventional modems.

GOPHER

It is a program system for reaching the addresses in Internet. It presents menus and various facilities in this regard. This is a very user friendly system.

VERONICA

(Very Easy Rodent-Oriented Net-wide Index to Computerized Archieves)

It is a program used for searching for subjects with keywords in gopherspace.

CompuServe (CIS)

It is the largest commercial organization in cyberspace. It is a broad-range meeting ground for people. It has members from all over the world (Over 1.2 million). Inside, it has over 600 forums covering almost every subject from arts to science, to politics to, news, to travel reservations, etc. It also has discussion and chatting regions. It also has e-mail facilities (as well as fax). You can even send a message to Mr. Clinton, if you like! To reach CompuServe through Internet:

telnet compuserve.com

(Make sure you have your credit card ready. Basic membership fee is 8.95 Dollars)

BIX

Bix is another commercial network similar to CompuServe. Users on BIX (the Byte Information eXchange) can be reached through the DAS gateway at

user@cibix.das.net.

FidoNet

The FidoNet computer network is usually named as "Poor man's net!".

MCI Mail

MCI also sells email accounts (similar to ATTMail). Users can be reached with

user@mcimail.com.TRNET

This is the Turkish network operated by TÜBİTAK and METU. It started three years ago. It was connected to Internet at April 1993. Membership rates for 1994 is 1.5 million TL for individuals(Cheap!).

Search gopherspace by veronica at NYSERNet: FDA

FDA regulations.

FDA Consumer.

FDA AND FOOD REGULATION/

FDA Anesthesia Apparatus Checkout
Recommendations.

FDA warnings on sun products.

Search gopherspace by veronica at NYSERNet: FDA

About FDA Approved Animal Drug Data
Base.

FDA Approved Animal Drug Data Base/

FDA ROLLS BACK ALLOWABLE SELENIUM SUPPLEMENTATION LEVELS..

Search gopherspace by veronica at NYSERNet: FDA

FDA Seafood Inspection Regulation.FDA Breast Implant Update.

FDA Approves Treatment IND for non-small cell lung

cancer.

Advisory Committee Reevaluates Tamoxifen Prevention Trial.

Search gopherspace by veronica at NYSERNet:pharmacy

Pharmacy Information.

Pharmacy Library (R.O. Hurst Library).

Pharmacy.

SAPH - Social and Administrative Pharm.

PHAR - Pharmacy Practice. PHARMACY PRACTICE (Phar)/

Search gopherspace by veronica at NYSERNet:pharmacy

COLLEGE OF PHARMACY (321 entries)/

CLINICAL PHARMACY (117 entries)/

PHARMACY ADMINISTRATION (31 entries)/

PRE-PHARMACY CLUB.

College of Pharmacy Faculty.

Search gopherspace by veronica at NYSERNet:pharmacy

History of the College of Pharmacy.

Pre-Pharmacy Curriculum.

Welcome to the UGA College of

Pharmacy Gopher/

College of Pharmacy Bulletin/

College of Pharmacy Monthly Newsletter/

Search gopherspace by veronica at NYSERNet:pharmacy

Pharmacy Prescription Dispensation Records.

201. ** There are 447 more items matching the query "pharmacy"

available...

GRANTS

ALKANA, RONALD L.

Low level hyperbaric ethanol antagonism School of Pharmacy
 \$233,284.00 National Institute of Alcohol Abuse and Alcoholism
 04/01/80 to 07/31/95

Search gopherspace by veronica at NYSERNet: Pharmaceutics

DISCUSSIONThe teaching and practice of pharmaceutics./
 Pharmaceutics/

Ph.D Pharmaceutics, MS Pharmaceutics.

Pharmaceutical Microbiologist (PA) .. Pharmaceutics Services.

Search gopherspace by veronica at NYSERNet: nicotine

The-world;-Asia's-having-one-huge-nicoti ne-fit..

Nicotine levels in smokeless tobacco.

Nicotine patch helps some quit smoking.

Nicotine levels in smokeless tobacco.

Nicotine patch helps some quit smoking.

NICOTINE. Search gopherspace by veronica at NYSERNet:

Pharmaceutical

White House: Pryor's Pharmaceutical Restraint Agreements 9/16/93.

Pharmaceutical Remuneration Meeting 2nd Dec 1993.

PHARMACEUTICAL RESOURCES BRANCH - PRB.

KNOWLEDGE INDEX is a service that gives you evening and weekend access to over 100 popular full text and bibliographic databases at reduced rates.

With KNOWLEDGE INDEX, you can access over 50,000 journals on a wide variety of topics.

Many of the KNOWLEDGE INDEX databases have the complete text of articles available online; however, if there is only a citation available, the service has a document ordering capability. When an article is ordered, a printed copy will be mailed or faxed to you.

KNOWLEDGE INDEX is for everyone. Business Professionals can keep up-to-date with text from newspapers and business sources or investigate competition with corporate directories and news databases. Engineers & Scientists can locate summaries of articles in over 4,000 engineering and technical articles.

KNOWLEDGE INDEX offers two methods of locating information in its databases. A menu-based version takes you step by step through a search. All you need to know is the database or databases and the search. KNOWLEDGE INDEX does the rest. KNOWLEDGE INDEX offers three types of databases: bibliographic, full text, and directory.

ACADEMIC INDEX: Provides one-stop access to general interest, social sciences, and humanities literature with an emphasis on academic journals. 1976 to present. Bibliographic database. EDUC5

AIDSLINE(TM): Provides complete access to the medical literature related to AIDS. 1980 to present. Bibliographic database. MEDI17

ANALYTICAL ABSTRACTS: Comprehensive coverage of analytical chemistry. 1980 to present. Bibliographic database. CHEM2

CHEMICAL ENGINEERING AND BIOTECHNOLOGY ABSTRACTS: Information on industrial practice and theoretical chemical engineering. 1971 to present. Bibliographic database. ENGI2

CONSUMER DRUG INFORMATION FULLTEXT: Complete text of Consumer Drug Digest. Current. Fulltext, directory database. DRUG3

CONSUMER REPORTS: The complete text of the monthly issues of Consumer Reports. 1982 to present. Fulltext database. REFR6

CURRENT BIOTECHNOLOGY ABSTRACTS:

Covers all aspects of biotechnology, including genetic manipulation, monoclonal antibodies, and fermentation technology. 1983 to present. Bibliographic database. BIOL2

DISSERTATION ABSTRACTS ONLINE:

Abstracts of all U.S. dissertations since 1861 and citations for some Canadian dissertations. Also includes selected Master theses since 1962. 1861 to present. Bibliographic database. REFR5

DRUG INFORMATION FULLTEXT:

Complete text of the American Hospital Formulary Service and the Handbook on Injectable Drugs. Current. Fulltext, directory database. DRUG2

EVERYMAN'S ENCYCLOPAEDIA: Comprehensive reference work providing detailed and informative articles that cover the full range of human knowledge. 6th edition of Everyman's Encyclopaedia. Fulltext database. REFR7

FOOD SCIENCE AND TECHNOLOGY ABSTRACTS:

Provides access to research and new development literature in the areas related to food science and technology. 1969 to present. Bibliographic database. FOOD1

KIRK-OTHMER ONLINE: Online encyclopedia of applied chemical science and industrial technology. 3rd edition of the Kirk Othmer Encyclopedia of Chemical Technology. Fulltext database. CHEM5

POLLUTION ABSTRACTS: Information on pollution, its sources, and its control. 1970 to present. Bibliographic database. ENV11

LIFE SCIENCES COLLECTION: Worldwide coverage of research in biology, medicine, biochemistry, ecology, and microbiology. 1978 to present. Bibliographic database. BIOL1

MEDLINE (r) 1966-present: Biomedical literature and research. Bibliographic database. MEDI2

MEDLINE (r) 1983-present: Biomedical literature and research. Bibliographic database. MEDI1

THE MERCK INDEX ONLINE (sm): Updated and expanded version of the Merck Index, an internationally recognized encyclopedia of chemicals, drugs, and biologicals. Late 19th century to present. Fulltext database. DRUG4

INTERNATIONAL PHARMACEUTICAL ABSTRACTS: Research and current health-related drug literature. 1970 to present. Bibliographic database. DRUG1

STANDARD & POOR'S CORPORATE DESCRIPTIONS: Information and news on over 12,000 publicly held U.S. companies. Current. Directory database.

References:

1-Safiye Kürklü, Hüseyin Karayağız, Sevil Ener, Internet Tools Summary, TÜBİTAK Marmara Araştırma Merkezi, Gebze-Kocaeli, 1994.

2-Safiye Kürklü, Hüseyin Karayağız, Sevil Ener, Special Internet Connections, TÜBİTAK Marmara Araştırma Merkezi, Gebze-Kocaeli, 1994.

3-Safiye Kürklü, Hüseyin Karayağız, Sevil Ener, Internet Servisleri, Adres Rehberi, TÜBİTAK Marmara Araştırma Merkezi, Gebze-Kocaeli, 1994.

4-Kürşat Çağıltay, Herkes İçin Internet, TÜBİTAK, Döküman no: IPG-94-01.1d, Ankara, 1994.

5- Brendan P. Kehoe, Zen and the Art of the Internet A Beginner's Guide to the Internet, First Edition , California , 1992.

6-Odd de PRESNO, The Online World Book, Version 1.2, Norway, 1993.

7-Patric J. SUAREZ, The Beginner's Guide to The Internet, Release 1.2, 1993.