

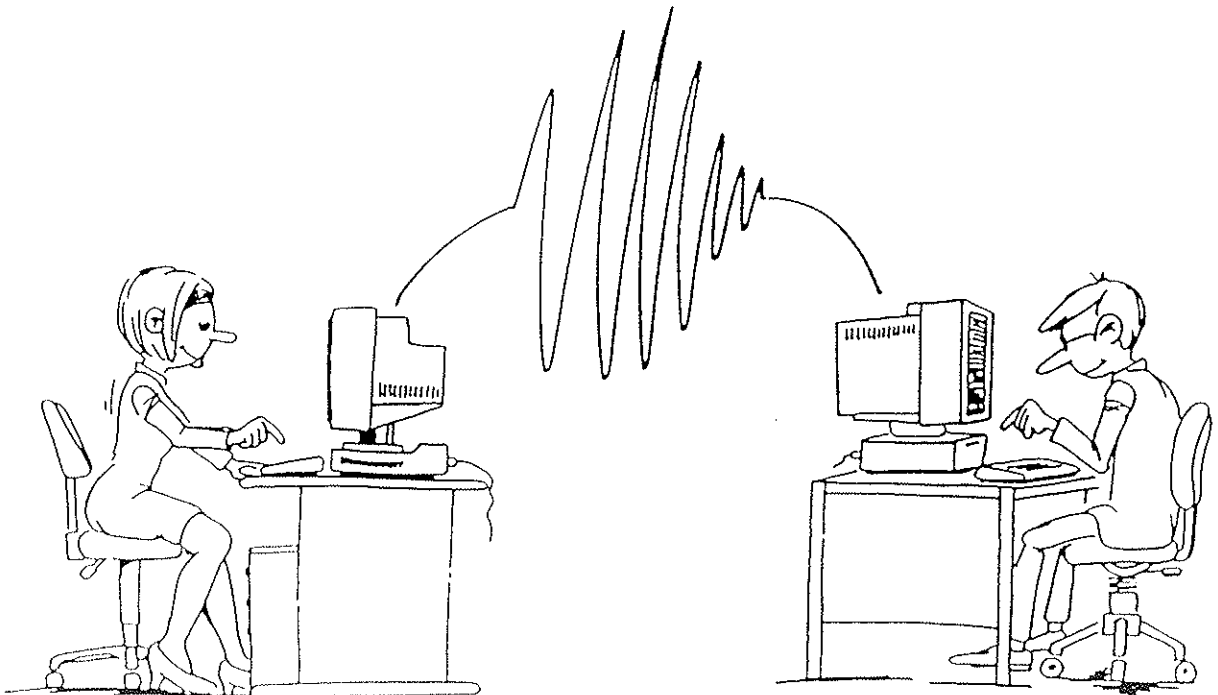
Das Internet für Bibliothekare

Fortbildungsveranstaltung
"Die Nutzung Neuer Medien in Theorie und Praxis"

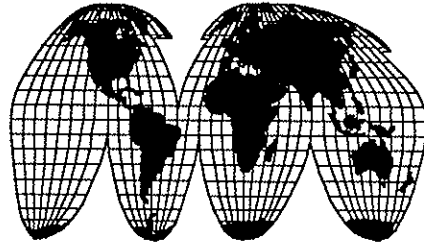
18. - 19. April 1996, Weiden

Uta Grothkopf
ESO Bibliothek
European Southern Observatory
Karl-Schwarzschild-Str. 2
85748 Garching bei München

Tel.: 089 / 320 06-280
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E-Mail: esolib@eso.org



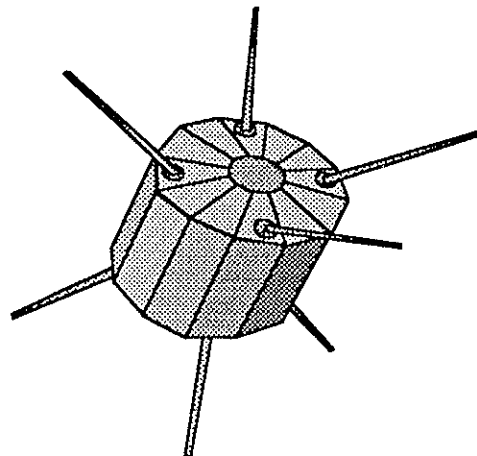
Das Internet



- **Was ist das Internet?**
- **Nutzungsmöglichkeiten**
 - E-Mail: Nachrichten, Mailing lists, Newsgroups
 - Telnet
 - FTP (File Transfer Protocol)
- **“Tools”:**
 - Archie
 - Gopher
 - Veronica
- **WAIS (Wide Area Information Servers)**
- **World Wide Web (WWW)**
- **Zusammenfassung**

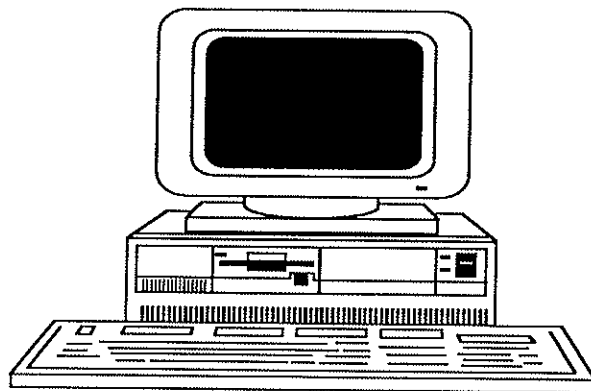
Was ist das Internet?

- **Kommunikationsmittel; Zugriff auf (rein) elektronische Dokumente**
- **ca. 20 Jahre alt; hervorgegangen aus ARPAnet**
- **“Netzwerk der Netzwerke”**
- **TCP/IP (Transmission Control Protocol / Internet Protocol)**
- **Jeder kann Nutzer und Anbieter sein**



Wichtigste Nutzungen

- **Electronic (E-) Mail** **MAIL**
- **Bulletin Boards** **MAIL**
- **Mailing Lists** **MAIL**
- **Remote login** **TELNET**
- **File Transfer** **FTP**



E-Mail

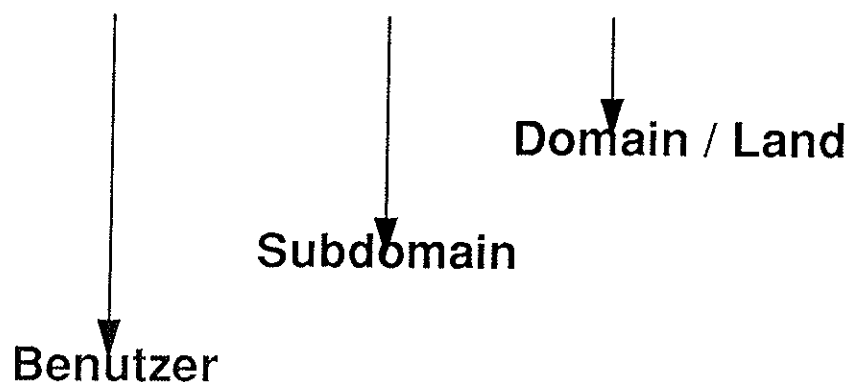
Anwendungen für Bibliothekare:

- Informationsaustausch
- Kommunikation
- Serviceverbesserung: Schnelle Beschaffung von
 - Informationen und
 - Dokumenten

Beispiel:

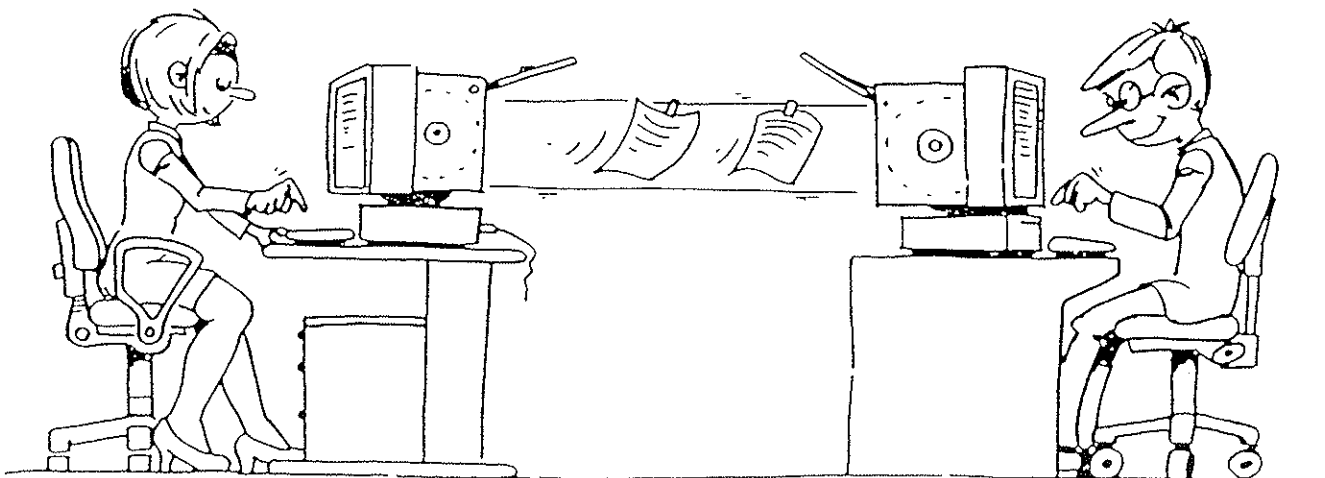
esolib@eso.org

president@whitehouse.gov



E-Mail Kommandos

- **mail <address>** schicken
- **inc** neue Mail einlesen
- **show <#>** bestimmte Mail anzeigen
- **show / print** drucken
- **forw** weiterschicken
- **repl** antworten



Mailing Lists / Listservs

- offenes Forum
- moderiert / unmoderiert
- Fragen, Hinweise, Probleme, Erfahrungen
- viele Kollegen erreichen

Beispiel:

**listserver@listserver.lib.muohio.edu
subscribe sla-pam**

sla-pam@listserver.lib.muohio.edu

...

**listserver@listserver/lib.muohio.edu
signoff sla-pam**

Newsgroups Bulletin Boards

- **ähnlich Mailing lists, aber keine automatische Lieferung per E-Mail**
- **Zugang bestimmt durch System Manager**
- **leichtes Auffinden der vorigen Nachrichten zum gleichen Thema**
- **FAQ = Frequently Asked Questions**

Bulletin Board Kategorien:

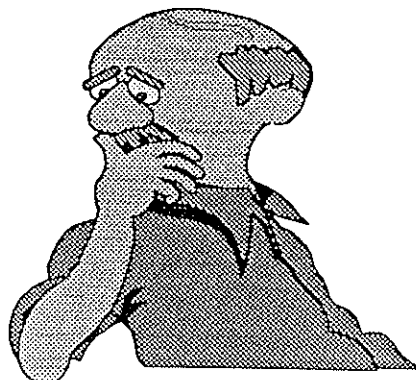
•comp	Computers
•misc	Miscellaneous
•news	News
•rec	Recreation / Hobby
•sci	Science
•soc	Social Issues

Beispiele:

- **comp.internet.library**
- **comp.infosystems.www.users**
- **alt.books.technical**

“Netiquette”

- Gebrauch des Internet ist ein Privileg, kein Recht
- Elektronische Nachrichten sollen kurz und präzise sein
- Ein Thema pro Nachricht
- Vorsichtige, sachliche Wortwahl
- Vorsicht bei Humor und Sarkasmus (:->)
- Kommunikation per Internet ist niemals privat
- FAQ-Datei lesen



Telnet (Remote Login)

- Verbindung zwischen Rechnern
- “interactive session”
- Client-Server Prinzip
 - Client = anfragender Computer
 - Server = Computer, der das gewünschte Programm/den Service zur Verfügung stellt

Bibliothekskataloge im Internet:

- Bibliographieren
- Katalogisieren
- Bestandsaufbau
- Leihverkehr / Fernleihe
- Testen von Bibliothekssoftware

Beispiel:

telnet 140.147.254.3	Library of Congress
telnet libhost.hq.eso.org	ESO Library
telnet database.carl.org	CARL Uncover
telnet melvyl.ucop.edu	Univ. California

FTP: File Transfer Protocol

- Dateien kopieren
- Konto / “anonymous ftp”
- Größe der Dateien beachten!

Beispiel “anonymous ftp”:

```
ftp ftp.sura.net  
login: anonymous  
Password: <your e-mail adress>
```

```
230 guest login ok, access restrictions apply
```

ftp	
dir	full directory
ls	list of files in this directory
cd	change directory
ascii	text files
bin	binary files (images, software)

```
get <filename> <newfilename>  
get <filename> - (Ctrl-S / Ctrl-Q)  
cd.. / cdup  
bye / quit
```

ARCHIE

- **Software finden**
- **durchsucht Indices der öffentlichen Dateien**
- **Anfrage nach Dateinamen oder Teilen daraus**
- **gefundene Dateien mit ftp kopieren**

Archie-Server:

archie.rutgers.edu

archie.sura.net

archie.funet.fi

archie.doc.ic.ac.uk

Nordost USA

Südost USA

Europa

UK

Sucheinstellungen: exact / sub

Beispiel:

```
telnet archie.rutgers.edu
```

```
login: archie
```

```
Password: <your e-mail address>
```

```
archie> show search
```

```
archie> set search sub
```

```
archie> prog biologist
```

```
archie> quit
```

```
mc8(esolib)45: telnet archie.sura.net
Trying 128.167.254.195 ...
Connected to archie.sura.net.
Escape character is '^]'.

```

```
SunOS UNIX (yog-sothoth.sura.net)
```

```
login: archie
Last login: Thu May  4 10:48:42 from MVR29.CIT.CORNEL
SunOS Release 4.1.3 (NYARLATHOTEP) #3: Thu Apr 22 15:26:21 EDT 1993

```

```
        Welcome to Archie!
        Version 3.2.2

```

```
SURAnet is pleased to announce the release of archie with a new version of
archie software.

```

```
If you need help with the interactive client type 'help' at the 'archie>'
prompt. If you have any questions, please read help >>FIRST<<, then if
your question was not answered send e-mail to 'archie-admin@sura.net'

```

```
archie-admin.

```

```
" Bungip Information Systems. 1993, 1994

```

```
" Terminal type set to 'xterm 24 80'.

```

```
" 'erase' character is '^?'.

```

```
" 'search' (type string) has the value 'sub'.

```

```
archie> prog newsgroups
```

```
Location: /doc/FAQ
s  DIRECTORY   drwxrwxr-x   512 bytes  20:00 24 Aug 1994  active-newsgroup

```

```
Host ftp.gmd.de (129.26.8.84)
Last updated 06:13 17 Apr 1995

```

```
Location: /usenet/news.answers
s  DIRECTORY   drwxr-xr-x   512 bytes  18:00 11 May 1994  active-newsgroup

```

```
Host ftp.univ-lyon1.fr (134.214.103.240)
Last updated 05:43 13 Apr 1995

```

```
Location: /nfs-mounted/grasp.insa-lyon.fr/faq-by-newsgroup/news/news.announce.newusers
s  DIRECTORY   drwxrwxr-x   512 bytes  19:00 31 Mar 1994  active-newsgroup

```

```
Host ftp.cs.ruu.nl (131.211.80.17)
Last updated 09:59 13 Apr 1995

```

```
Location: /pub/NEWS.ANSWERS
s  DIRECTORY   drwxrwxr-x   512 bytes  18:00 28 Jun 1993  active-newsgroup

```

```
archie> █
```

Gopher

- “Goes for” information
- menügeführtes Informationssystem; hierarchisch
- Suche ist an vorgegebene Optionen gebunden
- vom Speziellen zum Allgemeinen
- nutzt TELNET und FTP

Gopher nutzen:

- Client-Server-Prinzip
- Gopher Software:
“public domain”
ftp boombox.micro.umn.edu
directory: pub/gopher
- public gopher:
telnet gopher.ebone.net
login: gopher

Internet Gopher Information Client v2.0.16

Home Gopher server: gopher.sunet.se

1. #Information about gopher/
2. Nordic Information Services/
3. BASUN, The SUNET Info Server/
4. Ebone Information/
5. Eurogopher mailing list index <?>
6. Eurogopher mailinglist/
7. Infoservers in European Countries/
8. Internet Information/
9. LISTSERV Archives and services/
- > 10. Library Services/
11. Other Gopher and Information Servers/
12. PD Software FTP Archive/
13. Phone Books and E-Mail addresses/
14. Requests for Comments (RFC)/
15. Subject Tree/
16. Veronica (search menu items in most of GopherSpace)/
17. WAIS databases/
18. World Wide Web/

Press **?** for Help, **Q** to Quit

Page: 1/1

Internet Gopher Information Client v2.0.16

Library Services

1. Databases via telnet/
2. Document Delivery Services/
3. Gateways/Bulletin Boards/
4. International Library Services (local mirror of yaleinfo)/
5. International Library Services (rock.concert.net)/
- > 6. Library of Congress/
7. Newsletters & Journals/
8. Nordic Library Services/
9. Selected Library Services/
10. yaleinfo.old/

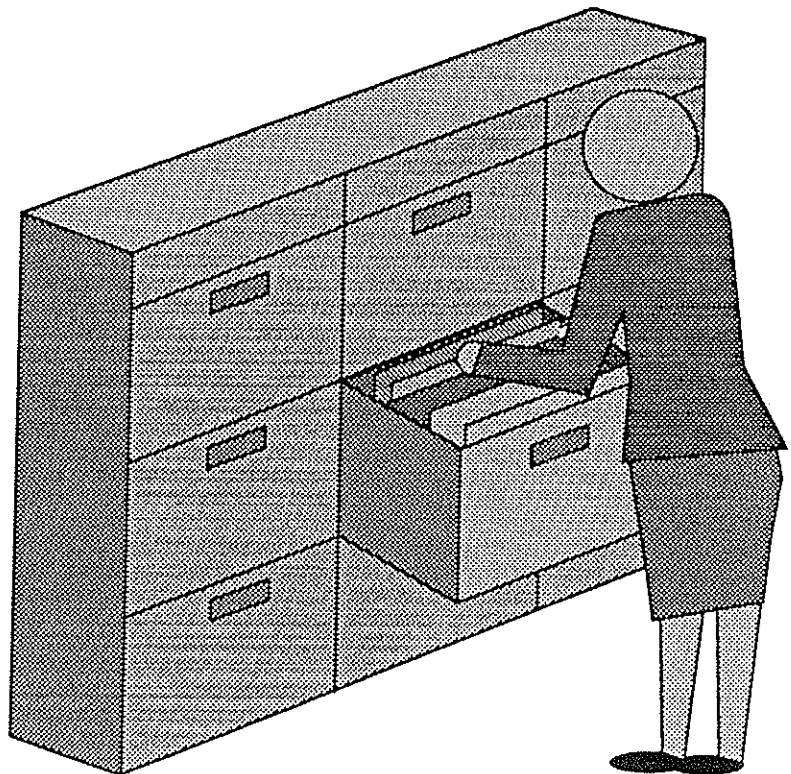
Press **?** for Help, **Q** to Quit, **U** to go up a menu

Page: 1/1

Veronica

(Very Easy Rodent-Oriented Net-Wide Index to
Computerized Archives)

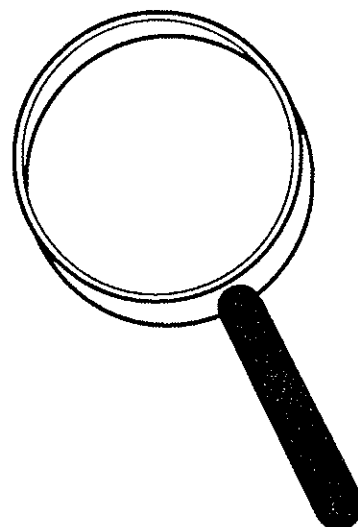
- durchsucht Titel der Gopher-Systeme
("Keyword-Titles-Search")
- erreichbar durch Gopher-Systeme ("Other
Gopher and Information Servers")
- Antwort: Liste mit Optionen



WAIS

(Wide Area Information Servers)

- **Indexierungs- und Suchsystem**
- **durchsucht indizierte Dateien /
Datenbanken (ANSI Z39.50)**
- **freie Texteingabe**
- **vom Allgemeinen zum Speziellen**



WAIS

(Forts.)

WAIS installieren und nutzen:

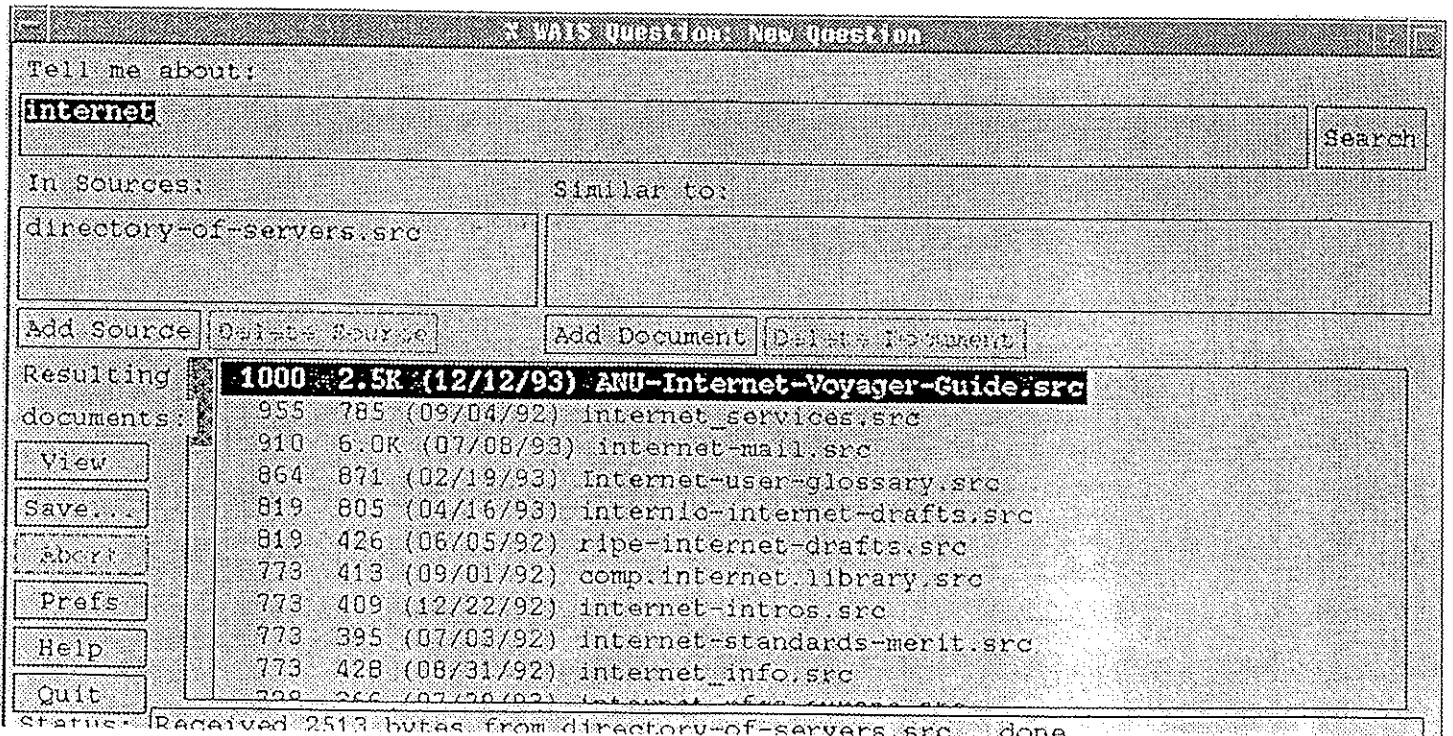
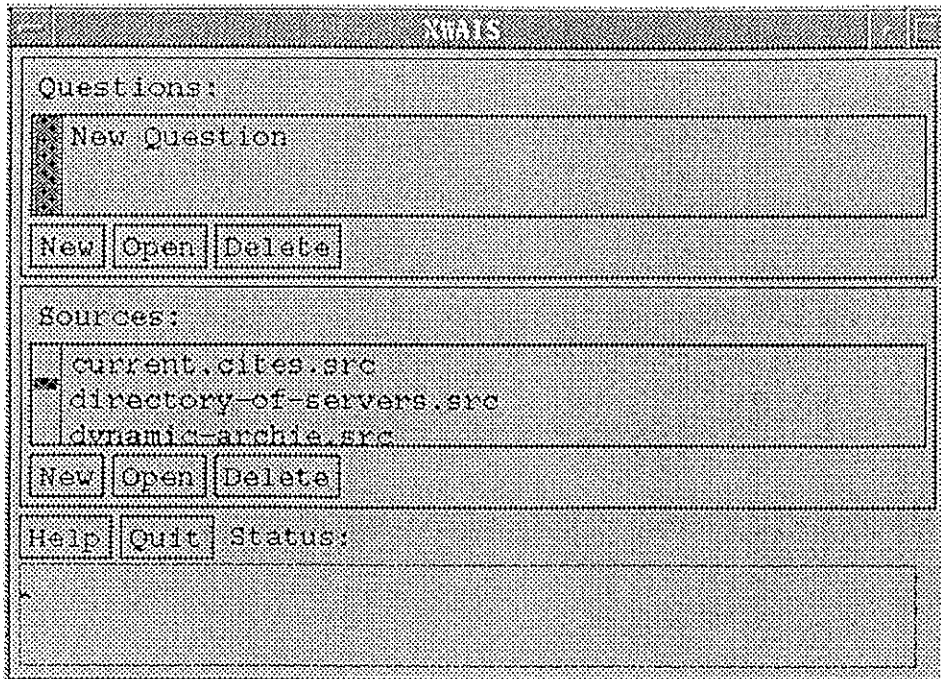
- **WAIS Client: ftp think.com**
directory: wais
- **auch durch Gopher erreichbar**
(“Other Gopher and Information Servers”)

1. Suche im “Directory of Servers”
2. geeignete Dokumente (= Datenbanken) auswählen und speichern
3. Datenbanken laden (“add source”)
4. gezielte Suche starten

- “relevance ranking”
- “similar to”

Bei nicht-kommerziellem WAIS:

- nur bedingt Boole'sche Operatoren
- keine Kontextoperatoren



WWW (World Wide Web)

- verwendet TELNET, FTP, E-Mail
 - nicht hierarchisch, Navigieren durch Anklicken
 - Hypertext, Multimedia
 - WAIS bedingt erreichbar
- * Sucheinstieg: Search Engines
- * direkte Auswahl: URL

WWW installieren und nutzen:

Client erhältlich von:

anonymous ftp: ftp.ncsa.uiuc.edu

Login: anonymous

Password: <your e-mail address>



WWW testen:

telnet telnet w3.org


Netscap: World Wide Web FAQ

File Edit View Go Bookmarks Options Directory Help

Back Forward Home Reload Load Images Open... Print... Find... Stop

Location:

What's New What's Cool Handbook Net Search Net Directory Newsgroups



World Wide Web FAQ

World Wide Web Frequently Asked Questions (With Answers, of Course!)

Copyright 1994, 1995, Thomas Boutell.

This document is available from many sites, and in several languages. **Please use the site closest to you in the language of your choice.**

This FAQ consists of many files. By popular request, it is now available as an MSDOS .ZIP file, as a Unix compressed .tar file, and as a single, large text file. If you have trouble browsing HTML files offline under Windows, please see the relevant FAQ entry.

Of course, to get the latest and greatest information, it is best to browse it right here on the web!

Contents

- [About this document](#)
- [Recent changes to the FAQ](#)
- [Introduction to the World Wide Web](#)
- [Obtaining and using web browsers](#)
- [Establishing and using web servers](#)
- [Authoring web pages, images and scripts](#)
- [Other resources about the Web](#)
- [Credits](#)

Introduction to the World Wide Web

Contents:

- [What is the Web?](#)
- [What is a URL?](#)
- [What are SGML and HTML?](#)
- [How does the Web compare to Gopher and WAIS?](#)
- [What is the W3 consortium?](#)
- [How can I access the Web?](#)
- [What is available through the web?](#)
- [How do I find out what's new on the Web?](#)
- [Where is the subject catalog of the Web?](#)

Document Title:

Document URL:



Enter some words and start your search:

Find pages with of these words and return results.

[Help](#) · [Facts](#) · [Top 25 Sites](#) · [Submit URLs](#) · [Random Links](#) · [No-forms Search](#)



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info@webcrawler.com · · · [about site sponsorship](#)

last updated: September 26, 1995

Data transfer complete.

Document Title: WebCrawler Results for "social sciences"

Document URL: http://webcrawler.com/cgi-bin/WebQuery



WebCrawler Search Results

The query "social sciences" found 3564 documents and returned 25:

- 100 [Social Sciences](#)
- 090 [Social Sciences, UC Irvine](#)
- 088 [Organization of University of Osaka Prefecture](#)
- 087 [University of Sussex - Clearing Vacancies](#)
- 084 [UC Irvine Undergraduate Major in Social Science](#)
- 084 [Undergraduate programs](#)
- 082 [GRADUATE SCHOOLS OF SOCIAL WELFARE: U.S.A](#)
- 081 [UC Irvine School of Social Sciences Graduate Programs](#)
- 079 [Computer Science Undergraduate Program](#)
- 077 [NZ Social Science Research Data and Information Services Centre](#)
- 076 [Laboratories in GIS](#)
- 073 [Social Sciences Data Center](#)
- 073 [Employer Directed Resume Search](#)
- 073 [Configurations - Table of Contents](#)
- 070 [Social Science Information Gateway - SOSIG](#)
- 070 [Social Science Information Gateway - SOSIG](#)
- 069 [Caltech Division of the Humanities and Social Sciences Home Page](#)
- 068 [Purdue On-Line Writing Lab Research Info Page](#)
- 067 [The Institute of Social Science Home Page](#)
- 067 [The Institute of Social Science Home Page](#)
- 066 [Calendar of Meetings 1995/96](#)
- 065 [Undergraduate Handbook](#)
- 063 [Social Science Research Center Home Page](#)
- 061 [ANU - Coombsweb Social Sciences Server](#)

Document Title: The World-Wide Web Virtual Library: Subject Cata

Document URL: http://www.w3.org/hypertext/DataSources/bySubjec



The WWW Virtual Library

This is a distributed subject catalogue. See [Category Subtree](#), [Library of Congress Classification](#) (Experimental), [Top Ten most popular Fields](#) (Experimental), [Statistics](#) (Experimental), and [Index](#). See also arrangement by [service type](#) ., and [other subject catalogues of network information](#) .

Mail to [maintainers](#) of the specified subject or www-request@mail.w3.org to add pointers to this list, or if you would like to [contribute to administration of a subject area](#).

See also how to [put your data on the web](#). All items starting with ! are *NEW!* (or newly maintained). New this month: ✂ [Information Sciences](#) ✂ [International Security](#) ✂ [Migration and Ethnic Relations](#) ✂ [Pacific Studies](#) ✂ [Retailing](#) ✂ [Stress](#) ✂ [Writers' Resources On The Web](#) ✂

! [International Security](#)
[Aboriginal Studies](#)

This document keeps track of leading information facilities in the field of Australian Aboriginal studies as well as the Indigenous Peoples studies.

[Aeronautics and Aeronautical Engineering](#)

[African Studies](#)

[Agriculture](#)

[Animal health, wellbeing, and rights](#)

[Anthropology](#)

[Applied Linguistics](#)

[Archaeology](#)

[Architecture](#)

[Art](#)

[Asian Studies](#)

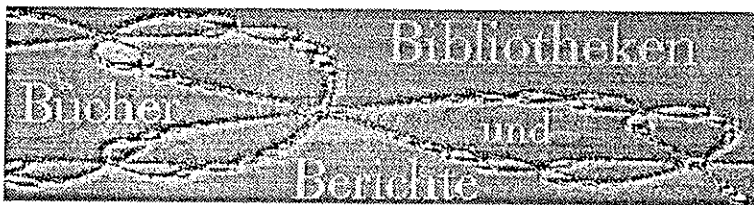
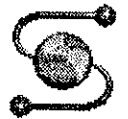
[Astronomy and Astrophysics](#)

[Autos](#)


[Aviation](#)





Document Title: Bibliotheken, Buecher und Berichte





Document URL: http://www.laum.uni-hannover.de/iln/bibliotheker








Verzeichnis der deutschsprachigen abfragbaren Kataloge und Institutionen



(Mit  markierte Rubriken wurden am 29. September 1995 aktualisiert.)

-
-  Universitäre Bibliothekskataloge: Städte A-L und M-Z.
 -  Bibliothekskataloge nach Fachgebieten gegliedert
 -  Sonderkataloge (Aufsatzdatenbanken, Verbundkataloge etc.)
 -  Außeruniversitäre und weltweite Bibliothekskataloge

 -  Bibliographien
 -  Datenbanken zu diversen Themen
 -  Wirtschaftsdaten
 -  Wörterbücher und Lexika

 -  Verlage und Musik
 -  Kopierbare Bücher (Volltext)

 -  Fachzeitschriften
 -  Aktuelle Nachrichten und Zeitschriften
 -  Aktuelle Hochschulpolitik (ASTen und Fachschaften, Beratung etc.)

 -  Bundesämter und Bundesanstalten, Bundesländer
 -  Politische Weltorganisationen

Data transfer complete.

Back Forward Home Reload Open... Save As... Clone New Window Close Window

Document Title: Bibliothekskataloge A.. bis L..

Document URL: http://www.taum.uni-hannover.de/iln/bibliotheker



BIBLIOTHEKSKATALOGE

(Städte A.. bis L..)

Verzeichnis der online abfragbaren Kataloge

- Stand 26. September 1995 -

• Kurze Unterstriche bei den Login-Anweisungen zu telnet-Verbindungen stellen Leerzeichen dar, lange Unterstriche "return".

WWW-Verbindung -- Telnet-Verbindung -- Gopher-Verbindung



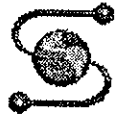
A B C D E F G H I J K

Aachen:

- Bibliothek der RWTH I
- Bibliothek der RWTH II
- WWW-OPAC Bücher und Dissertationen (Universitätsbibliothek)
- WWW-OPAC Zeitschriften (Universitätsbibliothek)
- WWW-OPAC Zeitschriften (Universitätsbibliothek) - Server II
- Bibliothek der Informatik

Document Title: ESO Libraries Homepage

Document URL: http://http.hq.eso.org/libraries/eso-librarie:



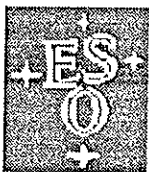
ESO Libraries Homepage



Welcome to the ESO Libraries Homepage. Please choose from the following options:

- [About the ESO Libraries](#)
- [ESO Libraries Catalogs](#)
- [Other Astronomy Libraries and Resources](#)
- [Libraries in General](#)
- [Abstract Services](#)
- [Preprint Services](#)
- [Electronic Publications](#)
- [Document Delivery Services](#)
- [Publishers and Book Shops](#)
- [General Information](#)
- [More Goodies \(including various Search Engines\)](#)
- [Statistics](#)
- [Helpdesk](#)

- [LISA II Conference](#)

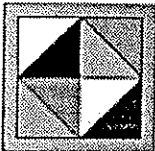


Back to [ESO Homepage](#)

[[ESO](#) | [ESO Libraries Helpdesk](#) | [Index](#)]

Document Title: IPL The Internet Public Library

Document URL: <http://ipl.sils.umich.edu/>



Internet Public Library

Welcome to the IPL Lobby

Click on the name of the place you would like to visit:

<h3>Divisions</h3> <ul style="list-style-type: none">ReferenceYouthLibrarian ServicesMOOAbout the Library	<h3>Rooms</h3> <ul style="list-style-type: none">ClassroomExhibit HallReading Room <h3>Services</h3> <ul style="list-style-type: none">Directory & TourWeb Searching
---	---

View the [text-only version](#) of the Lobby.

the Internet Public Library - - - <http://ipl.sils.umich.edu/> - - - ipl@umich.edu
Last updated 6/29/95.


http://www.ub2.lu.se/UB2proj/LIS_collection/collection_top.html

NCSA Mosaic: Document View

File Options Navigate Annotate Help

Document Title: LIBRARIES AND INTERNET. Electronic text coll.

Document URL: http://www.ub2.lu.se/UB2proj/LIS_collection/c



LIBRARIES AND INTERNET.

Electronic text collection

We try to build, maintain and develop a collection of important electronic texts (preferably in hypertext structure with external links) regarding the subject of libraries facing the challenge of networked information.

In the first place we think of contributions in English, German and the Nordic Languages.

We hope to find competent editors to select and edit suitable documents and to maintain parts of the collection.

As part of this collection, we consider publishing papers from LIS Schools.

Traugott Koch, Lund University Library (Traugott.Koch@ub2.lu.se)

CONTENTS:

- **Dempsey, Lorcan: Network resource discovery: a European library perspective. 1994**
 - Brief description
 - Full document

Back Forward Home Reload Open... Save As... Clone New Window Close Window

Document Title: What's New With NCSA Mosaic

Document URL: <http://www.ncsa.uiuc.edu/SDG/Software/Mosaic/>

What's New



New Look for the What's New Page: This is the debut of the new, streamlined What's New Page. The page has been revised to include only listings from the most current update. The previous two updates are available on the new [Recent Updates](#) page. All past listings are available, as usual, in the What's New Archives.

This page contains information about new or changed sites on the [World Wide Web](#), updated three times a week. You can view the current listings in this document, view the previous two updates in Recent Updates, search the What's New Archives, or submit an entry.

- [Submit an entry to What's New](#)
- [Read Recent Updates](#)
- [Search What's New Archives](#)
- [About the NCSA What's New Page](#)
- [Reader Comments](#)

PICK OF THE WEEK - BookWire, Inc.

Internet Explorer: Liste der Mitglieder im IV-DENIC

File Edit View Go Bookmarks Options Directory Help

Back Forward Home Reload Local Images Open... Print... Find... Stop

Location: 

What's New What's Cool Handbook Net Search Net Directory Newsgroups

Liste der Mitglieder im IV-DENIC

Die Dienstanbieter oder Internet Service Provider (ISP's) stellen Zugänge zum Internet zur Verfügung. Dazu bieten sie eine Reihe von lokalen Zugangspunkten (Points of Presence - POPs, oder Internet Service Center - ISCs) an. Dies ist die Liste der fünf derzeitigen Mitglieder im Interessenverbund DE-NIC (IV-DENIC), die als Dienstanbieter in Deutschland Internet-Zugang bieten (in alphabetischer Reihenfolge). weitere Dienstanbieter finden Sie auf der folgenden Seite.

(a) Contrib.Net wird gemeinschaftlich betrieben von

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D-10435 Berlin
Tel: 030/2530120-0
Fax: 030/2515603

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Fontanestr. 12
D-41564 Kaarst
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Zusammenfassung

- Auf einige Startpunkte konzentrieren
- Internet-Recherchen ersetzen nicht die Recherchen in kommerziellen Datenbanken
- Suche nicht erst bei aktueller Anfrage beginnen, sondern vorher probieren
- Learning by doing - und:
Try it - you'll like it!

