



はじめに

近年、インターネット網の拡大/発展は加速度的にめざましく、世界中の人とコンピュータを結ぶ架け橋となっている。

米国では NSF やその他の米国政府機関の援助により、NSFNET T3 Backbone Service (44.736 M b/sec) のサービスを開始している。米国では商用のインターネットサービスの会社もたくさんあり、いろいろなサービスを提供している。

米国では、大学/公共機関/非営利企業/営利企業は気軽にしかも安価にインターネットのサービスを受けられる。

インターネット関連の図書(本や記事)も最近多く見られるようになった。First-Search データベースを使って調べたインターネット関連の本を紹介する。探索に使った制約条件は：

NO.	CATEGORY	LIMIT	DESCRIPTION
1	Years	1992-	Years in which items were published.
2	Type	Books	Publication type (books, recordings, etc.)
3	Language	English	Language in which items were published.

A biologist's guide to Internet resources ... Smith, Una 1993
 A comparison of Internet resource discover ... 1992
 A guide to Internet/Bitnet / Noonan, Dana. 1992
 A measurement study of Internet file transfer ... Ewing, David J. 1992
 An implementation model for connection-oriented ... Cranor, Charles 1992
 Assessing information on the Internet today ... Dillon, Martin. 1993
 Cerf 'n safari : a classroom users' guide ... Andres, Yvonne 1992
 Crossing the Internet threshold : an instant ... Tennant, Roy. 1993
 DNS and BIND in a nutshell / Albitz, Paul. 1992
 E-mail isn't just a substitute for snail ... 1992

Evaluation methods for Internet management ... Ghatak, Subhend 1992
 Experimental assessment of end-to-end behavior ... 1992
 Exploring the Internet : a technical travel ... Malamud, Carl, 1992
 FYI on questions and answers : answers to ... Malkin, Gary. 1992
 ISO/CCITT and Internet management : coexistence ... 1992
 Implementing Internet in public schools in ... Benavides, Alba 1993
 Internet : accessible library catalogs & ... St. George, Art 1992
 Internet : getting started /1993
 Internet : mailing lists /1993
 Internet Gopher User's Guide /1993
 Internet access at Frostburg State University ... Owens, Stephen 1993
 Internet bibliography / Kotlas, Carolyn 1993
 Internet connections : a librarian's guide ... 1993
 Internet handbook for law librarians / Milles, James. 1993
 Internet passport : NorthWestNet's guide ... Kochmer, Jonath 1993
 Internet primer for information professionals ... Lane, Elizabeth 1993
 Internet protocol traffic analysis with a ... Schmidt, Andrew 1992
 Internet resource guide /1992
 Internet services frequently asked questions ... Savetz, Kevin M 1993
 Internet system handbook /1993
 Internet users' glossary / Malkin, G. 1993
 Internet, list of lists. 1992
 Internet : getting started / 1994
 Internet/Bitnet health sciences resource / Hancock, Lee. 1993
 Library resources on the Internet : strategies ... 1992
 List of lists : special interest group mailing ... 1992
 NYSERNet : new user's guide to useful and ... 1992
 Navigating the internet /Smith, Richard 1993
 Networking for Science. 1992
 New user's guide to useful and unique resources ... 1992
 NorthWestNet user services Internet resources ... Kochmer, Jonath 1992
 Not just cows : a guide to Internet / Bitnet ... Drew, Wilfred. 1993
 Public libraries and the Internet / NREN : ... 1992
 Riding the Internet highway /Fisher, Sharon, 1993
 SURAnet : information available on the Internet ... 1992
 Some economics of the Internet / MacKie-Mason, J 1993
 Striking it rich with the Internet : theories ... 1993
 Surfing the INTERNET : an introduction / Polly, Jean Arm 1992
 TERIS (Test and Evaluation Range Internet) ... Mitchell, B. S. 1992
 The Internet Business Journal commercial ... 1993
 The Internet and special librarians : use ... Ladner, Sharyn J 1993
 The Internet companion : a beginner's guide ... LaQuey, Tracy L 1993
 The Internet connection : system connections ... Quarterman, John 1993
 The Internet guide for new users / Dern, Daniel P. 1994

The Internet message : closing the book w ... Rose, Marshall 1993
 The Internet navigator : a new user's gui ... Gilster, Paul A 1993
 The Mac Internet tour guide : cruising th ... Fraase, Michael 1993
 The Third Annual NASA Science Internet Us ... NASA Science In 1993
 The building of the Internet : implicatio ... Hart, Jeffrey A 1992
 The electric mystic's guide to the Intern ... Strangelove, Mi 1993
 The internet message : closing the book w ... Rose, Marshall 1993
 The simple book : an introduction to inte ... Rose, Marshall 1994
 The whole Internet : user's guide & catal ... Krol, Ed. 1993
 Thinking robots, an aware internet, and c ...1992
 Three views of the internet /1993
 Troubleshooting TCP/IP : analyzing the pr ... Miller, Mark, 1992
 Understanding the Internet / Oblinger, Diana 1992
 Voice communication across the Internet : ... Schulzrinne, He 1992
 Zen and the art of the Internet : a begin ... Kehoe, Brendan 1992

医学技術/教育ネット

医学技術/教育ネットは米国の NIH のマシンを使い、医学のネットワークコンファレンスを供給する実験システムである。IP アドレスは etnet.nlm.nih.gov, ログイン名は etnet である。

telnet **etnet.nlm.nih.gov**

と入力すると、

```

Trying...
Connected to etnet.nlm.nih.gov.
Escape character is '^]'.

System V.2.3.3 XENIX (etnet.nlm.nih.gov)
  
```

login : **etnet** と入力する。

```

Welcome to E.T.Net

from

The National Library of Medicine
Caucus (TM) version 2.4/SX. Copyright (C) 1988-1992 Camber-Roth.
NEWUSERS: Please read the "users guide" conference once.

* * * * * System News From June 3, 1993 * * * * *

Current E.T.Net Conferences are:
* general - general discussions on interactive technology in health
  sciences education
Organizer : Susan M. Sparks, RN, PhD
  
```

ここで初めて使うユーザは、システムの問いに従ってユーザ名を登録すればよい。
登録したあとは次の画面がでる。

- 1 - What is Caucus ?
- 2 - List the conferences
- 3 - Join a conference
- 0 - Quit

1

Year	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099
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WHAT IS A CONFERENCE ?

— — — — —

The diagram in the next screen depicts this structure of conferences, items, and responses :



Response 2 : 5

- AIDS-SP
- AIDS-ME

AIDS Speeches
AIDS Meetings

ここで AIDS プレスリリースを見てみる。

PLEASE ENTER A BBS COMMAND ==> **aids-pr**

YOUR CURRENT TOPIC: AIDS-PR

TYPE QUIT TO LOGOFF OR TYPE HELP FOR AVAILABLE BBS COMMANDS

PLEASE ENTER A BBS COMMAND ==> **read** と入力して中身を読んでみる。

ATOVAQUONE RECEIVES APPROVAL FOR TREATMENT OF PCP

We have received inquiries about FDA's Nov. 25, 1992, approval of atovaquone, a drug for treating mild to moderate *Pneumocystis carinii* pneumonia (PCP) in patients who are intolerant of trimethoprim-sulfamethoxazole (TMP/SMX), the standard therapy. PCP is a potentially life-threatening infection that often afflicts AIDS patients, whose depleted immune systems can make them highly vulnerable to opportunistic infections. PCP is one of the most common opportunistic infections.

The following can be used to answer questions.

In November 1991, atovaquone was made available under a Treatment Investigational New Drug (IND) protocol. Treatment IND regulations allow drug developers to provide pre-approval access, under certain circumstances, to experimental drugs that are designed to treat serious or life threatening

.....

米国での無料のアカウントの作り方を二つ紹介しよう。IP アドレスは nyx.cs.du.edu でログイン名は new. もう一つの IP アドレスは hermes.merit.edu でログイン名は newuser である。たとえば,

telnet **nyx.cs.du.edu**

Trying...

Connected to nyx.cs.du.edu.

Escape character is '^['.

SunOS UNIX (nyx)

login: **new**

Welcome to Nyx -- The Spirit of the Night

Sponsored by the Faculty, Students, and Friends of the

University of Denver

Department of Math and Computer Science

The main purpose of Nyx is to enhance the enjoyment of computing by providing the community with public access to a multi-user system.

Nyx is run on a donated Sun Sparcserver II running the Unix operating system maintained by volunteer effort.

Major features include:

- 4+ Gb disk space, 16+ lines
- An extensive file download section
- The NetNews worldwide bulletin board
- Access to the Unix system itself
- "Internet FTP" access to 100 s of Gb of downloads

Your support is appreciated -- as a caller, uploader of files, or donor of time or equipment.

Hit ENTER to continue...

ここでユーザ名を登録するために j を入力する。

New User Menu

=====

i	Information about system, policies, hacking, etc. -- PLEASE READ
j	Join (that is, fill out application for personal or anonymous login)
s	Look to see if you already have an account from before
m	Send mail to system admin to report a problem
x	Exit without joining

Choice: **j**

このあと、氏名、電話番号、年齢、住所、職業などを聞いてくる。

スポーツ情報データベース

米国の NBA, NHL, MLB および NFL のスポーツ情報は簡単に得ることができる。

telnet culine.colorado.edu 859 ; スポーツ情報 NBA

telnet culine.colorado.edu 860 ; スポーツ情報 NHL

telnet culine.colorado.edu 862 ; スポーツ情報 MLB

telnet culine.colorado.edu 863 ; スポーツ情報 NFL

ここで、メジャーリーグの情報を見てみよう。IP アドレスは culine.colorado.edu, ポート番号は 862 である。

```
telnet culine.colorado.edu 862
Trying...
Connected to culine.colorado.edu.
Escape character is '^]'.

Welcome to the MLB Schedule Service.

Type the name of a team or a date or both.
Type help for detailed instructions.

Valid teams are:
    Atlanta,      Cincinnati,   Cubs,          Houston,
    Los Angeles,  Mets,         Montreal,      Philadelphia,
    Pittsburgh,   San Diego,    San Francisco, St. Louis,
    Baltimore,    Boston,       California,    Cleveland,
    Detroit,      Kansas City,  Milwaukee,    Minnesota,
    Oakland,      Seattle,     White Sox,     Yankees
    Colorado,     Florida
```

ここでクリーブランド インディアnzの日程を見てみよう。

<mlb> cleveland all

Monday, 4/5	YANKEES	at CLEVELAND
Wednesday, 4/7	YANKEES	at CLEVELAND
Thursday, 4/8	YANKEES	at CLEVELAND
Friday, 4/9	Cleveland	at Toronto
Saturday, 4/10	Cleveland	at Toronto
Sunday, 4/11	Cleveland	at Toronto
Monday, 4/12	Cleveland	at Boston
Wednesday, 4/14	Cleveland	at Boston
Thursday, 4/15	Cleveland	at Boston
Friday, 4/16	TORONTO	at CLEVELAND
Saturday, 4/17	TORONTO	at CLEVELAND
Sunday, 4/18	TORONTO	at CLEVELAND
Monday, 4/19	TORONTO	at CLEVELAND
Tuesday, 4/20	Cleveland	at California
Wednesday, 4/21	Cleveland	at California
Thursday, 4/22	Cleveland	at California
Friday, 4/23	Cleveland	at Oakland
Saturday, 4/24	Cleveland	at Oakland
Sunday, 4/25	Cleveland	at Oakland
Monday, 4/26	Cleveland	at Seattle
Tuesday, 4/27	Cleveland	at Seattle
Wednesday, 4/28	Cleveland	at Seattle

--More-- (13%)

ここで、8月の日程を見てみる。

/8/ と入力する。(more コマンドと同じ search 機能)

Sunday, 8/1	Cleveland	at Kansas City
Tuesday, 8/3	DETROIT	at CLEVELAND
Wednesday, 8/4	DETROIT	at CLEVELAND
Thursday, 8/5	DETROIT	at CLEVELAND
Friday, 8/6	Cleveland	at Baltimore
Saturday, 8/7	Cleveland	at Baltimore
Sunday, 8/8	Cleveland	at Baltimore
Tuesday, 8/10	Cleveland	at Milwaukee
Wednesday, 8/11	Cleveland	at Milwaukee
Thursday, 8/12	Cleveland	at Milwaukee
Friday, 8/13	TEXAS	at CLEVELAND
Saturday, 8/14	TEXAS	at CLEVELAND
Sunday, 8/15	TEXAS	at CLEVELAND
Monday, 8/16	TORONTO	at CLEVELAND
Tuesday, 8/17	TORONTO	at CLEVELAND
Wednesday, 8/18	TORONTO	at CLEVELAND
Thursday, 8/19	Cleveland	at Boston
Friday, 8/20	Cleveland	at Boston
Saturday, 8/21	Cleveland	at Boston

NFL アメリカンフットボールの日程を見える。IP アドレスは `culine.colorado.edu`, ポート番号は 863 である。

```
telnet culine.colorado.edu 863
```

```
Trying...
```

```
Connected to culine.colorado.edu.
```

```
Escape character is '^]'.
```

```
Welcome to the NFL Schedule Service.
```

```
Type the name of a team or a date or both.
```

```
Type help for detailed instructions.
```

```
Valid teams are:
```

Atlanta	Cleveland	Chicago	Houston	Rams
Philadelphia	Pittsburgh	San Diego	Raiders	Phoenix
San Francisco	Green Bay	Seattle	New England	Tampa Bay
Cincinnati	Detroit	Kansas City	Miami	Minnesota
Indianapolis	Washington	Dallas	Buffalo	Denver
New Orleans	Giants	Jets		

ここでクリーブランド ブラウンズの全日程を見よう。

<nfl> `cleveland all` と入力する。

(NBC)	Sunday,	9/5	CINCINNATI	at CLEVELAND	(11:00 am)
(ABC)	Monday,	9/13	SAN FRANCISCO	at CLEVELAND	(7:00 pm)
(NBC)	Sunday,	9/19	Cleveland	at Raiders	(2:00 pm)
(NBC)	Sunday,	9/26	Cleveland	at Indianapolis	(11:00 am)
(NBC)	Sunday,	10/10	MIAMI	at CLEVELAND	(11:00 am)
(CBS)	Sunday,	10/17	Cleveland	at Cincinnati	(11:00 am)
(NBC)	Sunday,	10/24	PITTSBURGH	at CLEVELAND	(2:00 pm)
(NBC)	Sunday,	11/7	DENVER	at CLEVELAND	(2:00 pm)
(NBC)	Sunday,	11/14	Cleveland	at Seattle	(11:00 am)
(NBC)	Sunday,	11/21	HOUSTON	at CLEVELAND	(11:00 am)
(NBC)	Sunday,	11/28	Cleveland	at Atlanta	(11:00 am)
(CBS)	Sunday,	12/5	NEW ORLEANS	at CLEVELAND	(11:00 am)
(NBC)	Sunday,	12/12	Cleveland	at Houston	(11:00 am)
(NBC)	Sunday,	12/19	NEW ENGLAND	at CLEVELAND	(11:00 am)
(NBC)	Sunday,	12/26	Cleveland	at Rams	(11:00 am)
(NBC)	Sunday,	1/2	Cleveland	at Pittsburgh	(11:00 am)

(たけふじ よしやす 慶應義塾大学 環境情報学部)

[完]