

SLAC ARCHIVE 00-011

SLAC ARCHIVES 00-077
SERIES 2 3
BOX 07 1

Index

of /archive/1992/SLACVM/www/192/r11547

Name	Last modified	Size	Description
 Parent Directory	13-Feb-1997 20:11	-	
 README	13-Feb-1997 21:00	8k	
 apsnews.html	18-Aug-1992 03:58	3k	
 biblio.html	18-Aug-1992 03:58	1k	
 biblio.index	30-Jun-1992 03:10	1k	
 binlist.1@html	09-Mar-1992 03:36	1k	
 binlist.@html	30-Apr-1992 07:16	1k	
 binlist.help	06-Mar-1992 07:47	1k	
 binlist.html	28-May-1992 09:29	1k	
 binlist.index	27-Feb-1992 06:54	1k	
 books.html	18-Aug-1992 04:01	1k	
 books.index	01-May-1992 06:48	1k	
 conf.html	18-Aug-1992 04:01	1k	
 conf.index	02-May-1992 10:07	1k	
 default.1@html	18-Mar-1992 08:07	1k	
 default.@html	30-Apr-1992 07:17	1k	
 default.html	18-Aug-1992 04:02	1k	
 defaultx.1@html	18-Mar-1992 08:02	1k	
 defaultx.@html	30-Apr-1992 07:16	1k	
 defaultx.html	18-Aug-1992 04:00	1k	
 dummy.file	10-Apr-1992 08:17	1k	
 experi.html	18-Aug-1992 04:00	1k	
 experi.index	01-May-1992 06:08	1k	
 experime.index	02-May-1992 11:40	1k	
 fget.1@exec	23-Sep-1992 05:08	2k	
 fget.2@exec	10-May-1992 04:37	1k	
 fget.@exec	24-Sep-1992 01:55	2k	
 fget.exec	24-Sep-1992 01:57	2k	
 fhadding.@html	11-May-1992 04:40	1k	
 fhadding.html	11-May-1992 04:40	1k	

	fhbenefi.@html	10-May-1992 16:46	2k
	fhbenefi.html	10-May-1992 16:46	2k
	fhdbase.@html	10-May-1992 16:54	3k
	fhdbase.html	10-May-1992 16:54	3k
	fheditor.1@html	11-May-1992 04:43	2k
	fheditor.@html	11-May-1992 04:43	2k
	fheditor.html	15-Sep-1992 12:40	2k
	fhemail.html	15-Sep-1992 12:37	1k
	fhftp.@html	30-Apr-1992 15:47	1k
	fhftp.html	30-Apr-1992 15:47	1k
	fhget.1@exec	28-Sep-1992 03:21	9k
	fhget.2@exec	28-Sep-1992 03:14	9k
	fhget.@exec	28-Sep-1992 03:24	9k
	fhget.exec	28-Sep-1992 06:28	9k
	fhimpl.1@html	10-May-1992 17:08	1k
	fhimpl.@html	10-May-1992 17:08	1k
	fhimpl.html	10-Sep-1992 12:19	1k
	fhimprov.html	15-Sep-1992 12:59	1k
	fhmain.1@html	10-May-1992 11:02	2k
	fhmain.@html	17-May-1992 12:15	2k
	fhmain.html	15-Sep-1992 13:01	3k
	fhnarrow.@html	10-May-1992 17:07	1k
	fhnarrow.html	17-May-1992 12:20	1k
	fhref1.@html	10-May-1992 17:07	1k
	fhref1.html	10-May-1992 17:07	1k
	fhscri.@html	10-May-1992 12:01	1k
	fhscri.html	10-May-1992 12:01	1k
	fhsearch.@exec	10-May-1992 10:53	2k
	fhsearch.exec	17-May-1992 12:02	2k
	fhspires.@html	10-May-1992 17:23	1k
	fhspires.html	17-May-1992 12:19	1k
	fhsubjs.1@html	07-May-1992 09:39	2k
	fhsubjs.@html	17-May-1992 12:21	2k
	fhsubjs.html	15-Sep-1992 12:35	2k
	fhtutor.html	15-Sep-1992 12:57	1k

	fsearch.1@exec	17-Aug-1992 02:22	3k
	fsearch.2@exec	17-Aug-1992 01:50	3k
	fsearch.@exec	18-Aug-1992 04:22	3k
	fsearch.exec	16-Sep-1992 06:55	3k
	getwhere.exec	03-Jun-1992 09:40	4k
	hep.1@html	09-Mar-1992 03:36	1k
	hep.@help	06-Mar-1992 07:47	1k
	hep.@html	30-Apr-1992 07:17	1k
	hep.@index	27-Feb-1992 05:26	1k
	hep.help	17-Aug-1992 19:07	27k
	hep.html	18-Aug-1992 04:00	1k
	hep.index	17-Aug-1992 18:56	1k
	hepnames.html	18-Aug-1992 04:00	1k
	hepnames.index	02-May-1992 10:36	1k
	hlmain.1@html	17-May-1992 12:22	2k
	hlmain.2@html	11-May-1992 04:09	2k
	hlmain.@html	20-Aug-1992 08:16	2k
	hlmain.html	20-Aug-1992 08:18	2k
	hlsteer.1@html	11-May-1992 03:38	1k
	hlsteer.2@html	11-May-1992 03:38	1k
	hlsteer.@html	20-Aug-1992 06:22	1k
	hlsteer.html	20-Aug-1992 06:23	1k
	htdaemon.module	05-Dec-1991 08:03	128k
	institut.html	18-Aug-1992 04:01	1k
	institut.index	02-May-1992 10:25	1k
	particle.help	02-May-1992 08:35	1k
	particle.html	18-Aug-1992 04:01	1k
	particle.index	02-May-1992 08:50	1k
	run.exec	19-Sep-1991 07:19	1k
	rundaemo.1@exec	30-Apr-1992 07:25	1k
	rundaemo.2@exec	06-Nov-1991 09:03	1k
	rundaemo.@exec	30-Apr-1992 07:25	1k
	rundaemo.exec	30-Apr-1992 07:53	1k
	slac.1@html	18-Aug-1992 05:14	2k
	slac.2@html	18-Aug-1992 03:58	2k

	slac.@html	18-Aug-1992 05:15	2k
	slac.html	18-Aug-1992 13:21	3k
	slacspea.html	18-Aug-1992 04:01	1k
	slacspea.index	17-Aug-1992 17:40	1k
	sldget.exec	17-Aug-1992 16:17	3k
	smget.exec	03-Aug-1992 11:27	4k
	spires.1@html	10-Mar-1992 02:41	1k
	spires.@html	30-Apr-1992 07:17	1k
	spires.html	18-Aug-1992 04:01	1k
	spires.index	12-Dec-1991 07:59	1k
	stores.1@html	09-Mar-1992 03:36	1k
	stores.@html	30-Apr-1992 07:18	1k
	stores.help	05-Mar-1992 02:43	21k
	stores.html	18-Aug-1992 03:59	1k
	stores.index	04-Mar-1992 07:51	1k
	whereis.help	21-May-1992 06:20	2k
	whereis.html	18-Aug-1992 03:59	1k
	whereis.index	13-May-1992 04:43	2k
	winters.filelist	13-Feb-1997 12:32	14k
	winters.jcw106	13-Feb-1997 12:29	56k
	wish.list	28-May-1992 04:30	1k
	wizards.@html	18-Aug-1992 03:58	1k
	wizards.html	20-Aug-1992 08:23	1k
	www.192	13-Feb-1997 11:59	5k
	www.files	30-Apr-1992 07:21	1k
	www.history	28-Sep-1992 06:28	12k
	www.inst\$var	29-Apr-1992 10:38	1k
	www.lastnews	14-May-1985 04:29	1k
	www.newslst	23-Apr-1986 06:02	1k
	www.owners	18-Aug-1992 04:05	1k
	www.staff	29-Apr-1992 06:14	1k
	xwhere.html	18-Aug-1992 03:58	1k

Apache/1.3.12 Server at www.slac.stanford.edu Port 80

File is: /afs/slac.stanford.edu/www/archive/1992/SLACVM/www/192/rl1547/README.

All files are from the most recent surviving backup tape for WWW 192 after Tony Johnson created the first SLAC HTML page:

73) WWW 0192 dumped to file 72 of tape RL1547 on 10/07/92 at 05:06:37

Of a total of 130 files on SLACVM WWW 192 then, 50 were visible "production" pages, where a "page" is a file containing HTML and named either "HTML" or "INDEX". A file with "@" in its filetype is an older version of the file than was current when the backup tape was created.

Here are the visible "production" pages:

FHMAIN	HTML	X1 V	72	66	1	9/15/92 20:01:40	SPC4
FHIMPROV	HTML	X1 V	70	15	1	9/15/92 19:59:19	SPC4
FHTUTOR	HTML	X1 V	97	19	1	9/15/92 19:57:19	SPC4
FHEDITOR	HTML	X1 V	71	74	1	9/15/92 19:40:37	SPC4
FHEMAIL	HTML	X1 V	50	21	1	9/15/92 19:37:24	SPC4
FHSUBJS	HTML	X1 V	69	71	1	9/15/92 19:35:08	SPC4
FHIMPL	HTML	X1 V	68	18	1	9/10/92 19:19:57	SPC4
WIZARDS	HTML	X1 V	73	31	1	8/20/92 15:23:55	SPC4
HLMAIN	HTML	X1 V	78	70	1	8/20/92 15:18:08	SPC4
HLSTEER	HTML	X1 V	64	29	1	8/20/92 13:23:58	SPC4
SLAC	HTML	X1 V	113	64	1	8/18/92 20:21:05	SPC4
DEFAULT	HTML	X1 V	75	22	1	8/18/92 11:02:44	SPC4
CONF	HTML	X1 V	71	9	1	8/18/92 11:01:55	SPC4
BOOKS	HTML	X1 V	75	9	1	8/18/92 11:01:47	SPC4
SPIRES	HTML	X1 V	73	9	1	8/18/92 11:01:31	SPC4
SLACSPEA	HTML	X1 V	52	9	1	8/18/92 11:01:24	SPC4
PARTICLE	HTML	X1 V	64	11	1	8/18/92 11:01:16	SPC4
INSTITUT	HTML	X1 V	71	9	1	8/18/92 11:01:08	SPC4
HEPNAMES	HTML	X1 V	75	9	1	8/18/92 11:00:58	SPC4
HEP	HTML	X1 V	73	9	1	8/18/92 11:00:49	SPC4
EXPERI	HTML	X1 V	73	10	1	8/18/92 11:00:41	SPC4
DEFAULTX	HTML	X1 V	59	30	1	8/18/92 11:00:26	SPC4
WHEREIS	HTML	X1 V	77	10	1	8/18/92 10:59:20	SPC4
STORES	HTML	X1 V	76	10	1	8/18/92 10:59:03	SPC4
XWHERE	HTML	X1 V	67	35	1	8/18/92 10:58:45	SPC4
APSNEWS	HTML	X1 V	73	60	1	8/18/92 10:58:43	SPC4
BIBLIO	HTML	X1 V	47	9	1	8/18/92 10:58:43	SPC4
HEP	INDEX	X1 V	70	19	1	8/18/92 1:56:09	SPC4
SLACSPEA	INDEX	X1 V	54	18	1	8/18/92 0:40:19	SPC4
BIBLIO	INDEX	X1 V	43	14	1	6/30/92 10:10:36	SPC4
BINLIST	HTML	X1 V	46	10	1	5/28/92 16:29:07	SPC4
FHNARROW	HTML	X1 V	70	23	1	5/17/92 19:20:28	SPC4
FHSPIRES	HTML	X1 V	70	33	1	5/17/92 19:19:19	SPC4
WHEREIS	INDEX	X1 F	80	20	1	5/13/92 11:43:56	SPC4
FHADDDING	HTML	X1 V	71	34	1	5/11/92 11:40:38	SPC4
FHREF1	HTML	X1 V	67	8	1	5/11/92 0:07:58	SPC4
FHDBASE	HTML	X1 V	79	49	1	5/10/92 23:54:47	SPC4
FHBENEFI	HTML	X1 V	75	49	1	5/10/92 23:46:32	SPC4
FHSCRI	HTML	X1 V	72	24	1	5/10/92 19:01:45	SPC4
EXPERIME	INDEX	X1 V	44	19	1	5/02/92 18:40:02	SPC4
HEPNAMES	INDEX	X1 V	43	12	1	5/02/92 17:36:52	SPC4
INSTITUT	INDEX	X1 V	43	12	1	5/02/92 17:25:16	SPC4
CONF	INDEX	X1 V	45	12	1	5/02/92 17:07:27	SPC4
PARTICLE	INDEX	X1 V	74	24	1	5/02/92 15:50:51	SPC4

BOOKS	INDEX	X1 V	43	12	1	5/01/92 13:48:31	SPC4
EXPERI	INDEX	X1 V	44	20	1	5/01/92 13:08:54	SPC4
FHFTP	HTML	X1 V	67	48	1	4/30/92 22:47:21	SPC4
STORES	INDEX	X1 F	80	10	1	3/04/92 15:51:24	SPC4
BINLIST	INDEX	X1 F	80	10	1	2/27/92 14:54:47	SPC4
SPIRES	INDEX	X1 V	43	12	1	12/12/91 15:59:13	SPC4

The files were retrieved from the backup tape listed in file WWW 192 via a VM BATCH job submitted and run 13 Feb 1997. (See its spooled console file WINTERS JCW106.)

A VM CMS LISTFILE of the retrieved files is in file WINTERS FILELIST. All these files were moved to the UNIX AFS subdirectory given at the top of this README file on 13 Feb 1997.

According to the file WWW HISTORY, the actual first SLAC HTML page was INSTALLED in the experimental "production" system on WWW 192 with 17 other pages:

```

18Aug92 11:02:55 TONYJ      REP /OWN *
                                HTML      A
                                APSNEWS HTML      A1 TDISK      195$
                                BIBLIO  HTML      A1 TDISK      195$
                                BOOKS   HTML      A1 TDISK      195$
                                CONF     HTML      A1 TDISK      195$
                                DEFAULT  HTML      A1 TDISK      195$
                                DEFAULTX HTML      A1 TDISK      195$
                                EXPERI   HTML      A1 TDISK      195$
                                HEP       HTML      A1 TDISK      195$
                                HEPNAMES HTML      A1 TDISK      195$
                                INSTITUT HTML      A1 TDISK      195$
                                PARTICLE HTML      A1 TDISK      195$
                                SLAC      HTML      A1 TDISK      195$
                                SLACSPEA HTML      A1 TDISK      195$
                                SPIRES   HTML      A1 TDISK      195$
                                STORES   HTML      A1 TDISK      195$
                                WHEREIS  HTML      A1 TDISK      195$
                                WIZARDS  HTML      A1 TDISK      195$
                                XWHERE   HTML      A1 TDISK      195$

    Moved from WWWTEST
18Aug92 11:22:20 TONYJ      REP      FSEARCH EXEC      TDISK      195$
18Aug92 12:14:51 TONYJ      REP      SLAC    HTML      A TDISK      195$
18Aug92 12:15:21 TONYJ      REP      SLAC    HTML      A TDISK      195$
18Aug92 20:21:16 TONYJ      REP      SLAC    HTML      TDISK      195$

```

and quickly revised three times that day. Through the luck of the draw, all four files were in this backup. See the slac.*html files, where * is a "wildcard."

Joan M. Winters

WHAT'S NEW, Friday, 24 July 1992

This is an example APS News item. Full access to all APS News information will be added soon (August 1992).

PHYSICISTS IN EUROPE, JAPAN AND CANADA OPPOSE SPACE STATION!

In an unprecedented joint statement issued today, the presidents of a group of major scientific societies, including The American Physical Society, fired a blast at Space Station Freedom. That's hardly news; they do it every year. But this time, the statement was accompanied by the translation of a statement adopted by the German Physical Society. Like their American colleagues, German physicists contend Space Station Freedom cannot be justified on the basis of economics or science. And it didn't stop with the Germans! The strongly worded German statement was endorsed by the Executive Committee of the European Physical Society and by the Presidents of The Physical Society of Japan, the Canadian Association of Physicists, and The American Physical Society; Japan, Europe and Canada are "partners" with the United States in the space station. Meanwhile, at a Capitol Hill press conference, Rep. Howard Wolpe (D-MI) released a letter signed by 75 of the most distinguished American space scientists; their letter contends the space station cannot be justified on the basis of its scientific usefulness or its importance to space exploration.

BUT PROPONENTS OF THE SPACE STATION HAVE NOT BEEN IDLE EITHER.

On Tuesday, NASA Administrator Daniel Goldin and NIH Director Bernadine Healy signed a Memorandum of Understanding Regarding Biomedical and Behavioral Research. The matchmakers were none other than Barbara Mikulski (D-MD) and Jake Garn (R-UT), the top space station tub thumpers in the Senate. The agreement, which Mikulski hailed as "historic," is little more than a pledge to cooperate, but it is meant to give credibility to claims that space research will somehow lead to cures for disease on Earth. At the Hill press conference, Rep. Durbin (D-IL) commented that "Cancer cures are the last refuge of budgetary scoundrels."

SENATE COMMITTEE RESTORES \$550M TO THE SUPERCOLLIDER IN FY 93!

The Appropriations Cmte yesterday left untouched that portion of a subcommittee report dealing with the SSC. The report calls for \$623M for high-energy physics, \$7.5M less than the Administration request. The Fermilab injector upgrade would get \$25M, \$5M below the request but \$10M above the House number. In a surprise move, SSC champion Bennett Johnston (D-LA) folded the controversial Energy Strategy bill into the appropriations bill. The effect was to deflect the debate away from the SSC. Senator Bumpers (D-AR), who leads the opposition to the SSC, decided to withhold an amendment to kill the supercollider until the bill comes up on the floor. That could happen as early as next week.

LAMPF SUPPORT SHIFTED TO ATOMIC ENERGY DEFENSE APPROPRIATIONS.

With the venerable Los Alamos Meson Physics Facility facing termination, its \$54M, plus \$11M, was shifted to a defense account in a ploy credited to Sen. Domenici (R-NM). But Budget Director Richard Darman could rule that the move violates the "fire wall."

Robert L. Park OPA@AIP.bitnet The American Physical Society

SSC Library Catalog (TEST)

Search

Perform search using standard SPIRES terms.

Help

Get help for SPIRES

You can search this index. Type the keyword(s) you want to search for:

SSC Library Catalog (TEST)

Use standard SPIRES search terms such as...

find author Feynman, R
find title quark# and date after 1990
show search terms
browse subject quantum theory

SLACVM BINLIST Telephone and e-mail Directory

Find

Find last-name, {,first-name}

Help

Help with BINLIST

SLACVM BINLIST Telephone and e-mail Directory

Find

Find last-name, {,first-name}

Help

Help with BINLIST

This is the SLAC directory containing such items as
names phone numbers, vm accounts and office locations

SLACVM BINLIST Telephone and e-mail Directory

Find

Find last-name, {,first-name}

Help

Help with BINLIST

You can search this index. Type the keyword(s) you want to search for:

SLAC Phone and E-mail directory search.

Use standard SPIRES search terms such as...

find name addis

find name crane

<END>

SLACVM SPIRES HEP Preprint Database

Search

Perform search using standard SPIRES terms.

Help

Get help for SPIRES

You can search this index. Type the keyword(s) you want to search for:

SLAC SPIRES BOOKS database search

Use standard SPIRES search terms such as...

find author Perl, M

find title UNIX and date after 1990

SPIRES - Conference Database - Past & Future HEP Conferences

Perform search using standard SPIRES terms.

Help<

Get help for SPIRES

You can search this index. Type the keyword(s) you want to search for:

SLAC SPIRES CONFERENCE database search

Use standard SPIRES search terms such as...

find date after June 1992 and place Dallas
find title lepton and date 1991
browse place paris
explain conf

SLACVM Information Service

BINLIST

SLAC phone book with e-mail addresses

HEP

SPIRES HEP preprint database

SLACVM Information Service

BINLIST

SLAC phone book with e-mail addresses

HEP

SPIRES HEP preprint database

SLACVM Information Service

BINLIST

SLAC phone book with e-mail addresses

HEP

SPIRES HEP preprint database

BOOKS

SLAC Library Book Catalog

CONF

Past & Future Particle Physics Conferences

HEPNAMESE-Mail addresses for Particle Physicists

INSTITUTIO

HEP Addresses, Phone nos., Fax Nos.

PARTICLES<

1992 Particle Properties Book - LBL PDG

EXPERIMENTS

High-Energy Physics Experiments (PDG LBL-91)

SLACVM Information Service

BINLIST

SLAC phone book with e-mail addresses

HEP

SPIRES HEP preprint database

STORES

SLAC Stores Catalog

SLACVM Information Service

BINLIST

SLAC phone book with e-mail addresses

HEP

SPIRES HEP preprint database

STORES

SLAC Stores Catalog

SLACVM Information Service

BINLIST

SLAC phone book with e-mail addresses

HEP

SPIRES HEP preprint database

STORES

SLAC Stores Catalog

BOOKS

SLAC Library Book Catalog

CONF

Past & Future Particle Physics Conferences

HEPNAMES

E-Mail addresses for Particle Physicists

INSTITUTIONS

HEP Addresses, Phone nos., Fax Nos.

PARTICLES

1992 Particle Properties Book - LBL PDG

EXPERIMENTS

High-Energy Physics Experiments (PDG LBL-91)

NETWORKING

SLAC Computing and Networking

BIBLIO

SSC Library Catalog (TEST)

SLACSPEAK

Glossary of SLAC-related acronyms and terms

dummy

SLAC-SPIRES EXPERIMENTS Database

Search

Perform search using standard SPIRES terms.

Help

Get help for SPIRES

You can search this index. Type the keyword(s) you want to search for:

SLAC-SPIRES EXPERIMENTS database (PDG)

Maintained by H. Galic (GALIC@SLACVM.BITNET)
for the LBL Particle Data Group

Use standard SPIRES language such as...

- find author Perl, M
- find title tau and date after 1979
- find exp FNAL-741
- browse exp CERN
- browse author gittelmann
- show indexes
- show filesize
- explain experiments

You can search this index. Type the keyword(s) you want to search for:

SLAC-SPIRES EXPERIMENTS database (PDG)

Maintained by H. Galic (GALIC@SLACVM.BITNET)
for the LBL Particle Data Group.

Search examples:

- find author Perl, M
- find title tau and date after 1979
- find exp FNAL-741
- find exp prefix serp
- browse exp KEK
- browse author gittelman
- show indexes
- explain experiments

```

/*****
/*
/* FGET EXEC - Process File Get command from WWW
/*
/* George Crane, April 1992
/* Add escape sequence for FreeHep stuff Tonyj
/* Add escape sequence for Seminar stuff Tonyj
/*
*****/

Do Queued(); Parse Pull .; End
'Access 192 B'
Parse upper arg ip_adr file '(' options
If SubStr(file,1,7)='FREEHEP' Then Do
  'EXEC FHGET' ip_adr file '(' options
  Exit Rc
End

Else If SubStr(file,1,8)='SEMINARS' Then Do
  'EXEC SMGET' ip_adr file '(' options
  Exit Rc
End

Else If SubStr(file,1,8)='SLDNames' Then Do
  'EXEC SLDGET' ip_adr file '(' options
  Exit Rc
End

Say time() ' FGET received:' ip_adr file '(' options
Parse var file file/'rest
Parse var file fn '.' ft .

If fn = 'WHEREIS' Then Do
  Address CMS 'EXEC GETWHERE 'rest
  Exit Queued()
End

If ft = '' then do /* attempt to initiate keyword search */
  'EXECIO * DISKR' fn 'INDEX ( FINI'
  Exit Queued()
End /* do */

if fn = 'DEFAULT' & ft = 'HTML' Then Do
  /* if this is a slac ip addr then get special defaults */
  If left(ip_adr,7) = '134.79.' Then Do
    fn = 'DEFAULTX'
    Say '.. SLAC user switching to 'fn' HTML'
  End
End

If ft /= 'HTML' then do /* attempt to fetch file */
  Queue '<PLAINTEXT>'
End /* do */

'EXECIO * DISKR' fn ft '( FINI'
Exit Queued()

```

```

/*****
/*
/* FGET EXEC - Process File Get command from WWW
/*
/* George Crane, April 1992
/* Add escape sequence for FreeHep stuff Tonyj
/*
/*****

'Access 192 B'
Parse upper arg ip_adr file '(' options
If SubStr(file,1,7)='FREEHEP' Then Do
  'EXEC FHGET' ip_adr file '(' options
  Exit Rc
End

Say time() ' FGET received:' ip_adr file '(' options
Parse var file fn '.' ft .

If ft = '' then do /* attempt to initiate keyword search */
  'EXECIO * DISKR' fn 'INDEX ( FINI'
  Exit Queued()
End /* do */

if fn = 'DEFAULT' & ft = 'HTML' Then Do
  /* if this is a slac ip addr then get special defaults */
  If left(ip_adr,7) = '134.79.' Then Do
    fn = 'DEFAULTX'
    Say '.. SLAC user switching to 'fn' HTML'
  End
End

If ft /= 'HTML' then do /* attempt to fetch file */
  Queue '<PLAINTEXT>'
End /* do */

'EXECIO * DISKR' fn ft '(' FINI'
Exit Queued()

```



```

/*****
/*
/* FGET EXEC - Process File Get command from WWW
/*
/* George Crane, April 1992
/* Add escape sequence for FreeHep stuff Tonyj
/* Add escape sequence for Seminar stuff Tonyj
/*
*****/

If Queued() Then Do
    Say Queued() ' lines found in stack as follows:'
    Do Queued()
        Parse Pull string
        Say ' 'string
    End
End
'Access 192 B'
Parse upper arg ip_adr file '(' options
If SubStr(file,1,7)='FREEHEP' Then Do
    'EXEC FHGET' ip_adr file '(' options
    Exit Rc
End

Else If SubStr(file,1,8)='SEMINARS' Then Do
    'EXEC SMGET' ip_adr file '(' options
    Exit Rc
End

Else If SubStr(file,1,8)='SLDNames' Then Do
    'EXEC SLDGET' ip_adr file '(' options
    Exit Rc
End

Say time() ' FGET received:' ip_adr file '(' options
Parse var file file/'rest
Parse var file fn '.' ft .

If fn = 'WHEREIS' Then Do
    Address CMS 'EXEC GETWHERE 'rest
    Exit Queued()
End

If ft = '' then do /* attempt to initiate keyword search */
    'EXECIO * DISKR' fn 'INDEX ( FINI'
    Exit Queued()
End /* do */

if fn = 'DEFAULT' & ft = 'HTML' Then Do
    /* if this is a slac ip addr then get special defaults */
    If left(ip_adr,7) = '134.79.' Then Do
        fn = 'DEFAULTX'
        Say '.. SLAC user switching to 'fn' HTML'
    End
End

If ft /= 'HTML' then do /* attempt to fetch file */
    Queue '<PLAINTEXT>'
End /* do */

```

```
'EXECIO * DISKR' fn ft '( FINI'  
Exit Queued()
```

```

/*****
/*
/* FGET EXEC - Process File Get command from WWW
/*
/* George Crane, April 1992
/* Add escape sequence for FreeHep stuff Tonyj
/* Add escape sequence for Seminar stuff Tonyj
/*
*****/

If Queued() > 0 Then Do
    Say Queued() ' lines found in stack as follows: '
    Do Queued()
        Parse Pull string
        Say ' 'string
    End
End
'Access 192 B'
Parse upper arg ip_adr file '(' options
If SubStr(file,1,7)='FREEHEP' Then Do
    'EXEC FHGET' ip_adr file '(' options
    Exit Rc
End

Else If SubStr(file,1,8)='SEMINARS' Then Do
    'EXEC SMGET' ip_adr file '(' options
    Exit Rc
End

Else If SubStr(file,1,8)='SLDNames' Then Do
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Parse var file file/'rest
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        Say '.. SLAC user switching to 'fn' HTML'
    End
End

If ft /= 'HTML' then do /* attempt to fetch file */
    Queue '<PLAINTEXT>'
End /* do */

```

```
'EXECIO * DISKR' fn ft '( FINI'  
Exit Queued()
```

Submitting new software to FreeHEP

We are always looking for new software packages to add to the FreeHEP database. The only requirement for new items is that they be generally useful to the High Energy Physics community. If you have, or know of, any software that you think meets this criterion please let us know. In the first instance you should contact the editor for the subject area in which you think the package belongs. If you are unsure what area is appropriate feel free to contact the managing editor for guidance.

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Benefits

There are many potential benefits of FreeHEP both to the HEP user community and to software writers. Users benefit by gaining knowledge of existing software, by gaining easy access to the software they want, by gaining from the experience of other users and by having easy access to authors so that bugs and other problems can be fixed quickly. Authors benefit by gaining a mechanism for distributing their software, by avoiding duplication of efforts, by getting bug reports and suggestions from users and by making contacts with potential collaborators. Since FreeHEP is meant to be an inclusive service to authors as well as to the HEP user community, there is no requirement on the form of software distribution and we leave it up to the authors to distribute their packages in whatever form is most convenient.

Organization

FreeHEP currently consists of a database of useful software, accessible using WWW, Spires, or directly from the FreeHEP anonymous FTP site. The anonymous FTP site also contains areas for reviews of software packages, and in some cases the actual software itself. Software packages are organized into subject areas, with one or more editors for each section, as well as a managing editor.

We also plan to set up News Groups for different subject areas and to publish some form of (electronic?) newsletter listing new packages and other topical information.

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Version: 1.10
Date: May, 1992
Title: A package for 'tuple viewing and manipulation
Authors(s): Mike Gravina(SLAC,mfg@ebnextk.slac.stanford.edu)
            Paul Kunz(SLAC,pfkeb@kaon.slac.stanford.edu)
            Paul Rensing(SLAC,rensing@unixhub.slac.stanford.edu)
Contact: pfkeb@kaon.slac.stanford.edu
Subject Area(s): graphics_vis_gui, analysis
News Group or Email: hippo_comment@ebnextk.slac.stanford.edu (e-mail)
Bug reports to: hippo_bug@ebnextk.slac.stanford.edu (e-mail)
Software Needed: XDR ANSI-C
Hardware Needed: A computer running VM, VMS or UNIX
Access: anonymous ftp from heplib.slac.stanford.edu
User Base:
Documentation: Included in TAR file
Published References: Proceedings of L'Agelonde workshop
See Also: HippoDraw
Abstract: Hippoplotamous is a n-tuple management and display
package written in ANSI C with an object orientation.
The management part is designed to be user friendly and
also has a FORTRAN binding. Binary files use the XDR
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different architectures. Files can also be converted
from or to a plain text format and from HBOOK4 format
with supplied utilities.

The display package can produce histograms, scatter
plots, grey or color density plots, and x-y plots. It
is designed to be friendly to one who implements an
interactive application for visualizing the n-tuple
data. Drivers for Display Postscript, X11,
InterViews, UNIXPlot, line printer and PostScript
printer are supplied.

Hippoplotamus has been tested on NeXT, SUN, RS/6000,
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How To use Anonymous FTP

If you are new to unix, you may not be familiar with ftp or copying files. On most machines, once you reach freehep via ftp you will see a prompt like this:

```
ftp>
```

From here, you can navigate the directory structure with % ls and % cd. To copy an ascii file to your home machine, do

```
ftp> get filename    (case sensitive)
```

You may also see files with extensions ".tar", ".Z", or typically, both. The ".Z" indicates a compressed binary file which can be fetched like so:

```
ftp> binary
ftp> get xxxx.Z
```

On your home unix machine, you can uncompress it with the command

```
% uncompress xxxx.Z
```

which produces the file "xxxx".

Files with the extension ".tar" are also binary files containing a packed collection of files possibly including subdirectories. To unpack such a file, do

```
% tar xvf xxxx.tar
```

or see the tar command on your home unix machine.

You may also see files with a ".pac.Z" extension. These files can be unpacked with tar xvf and with the "% dupackag" command assuming that the "TYPES" package is installed.

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```

/*****
/*
/* FHGET EXEC - Special processing of files for freehep
/*
/* TonyJ, May 1992
/*
/*
/*****

Parse upper arg ip_adr file '(' options

Say time() 'FHGET received:' ip_adr file '(' options

Parse Var file subfile '/' rest
p = LastPos('/', rest)
mode = Substr(rest, p+1)
if p>0 Then criteria = Substr(rest, 1, p-1)
      else criteria = ''
temp = criteria
n=0
Do While temp/=''
  n = n+1
  Parse Var temp Index.n '/' Value.n '/' temp
  If Value.n='' Then Value.n='>a'
  Else If Value.n='LASTDAY' Then Value.n=">=Date()"
  Else If Value.n='LASTWEEK' Then Value.n=">=XDate('I', -7)"
  Else If Value.n='LAST2WEEKS' Then Value.n=">=XDate('I', -14)"
  Else If Value.n='LASTMONTH' Then Value.n=">=XDate('I', -28)"
End

NCriteria = n
SpireTerm = Index.1 Decode(Value.1)
Do i=2 to NCriteria
  SpireTerm = SpireTerm 'AND' Index.i Decode(Value.i)
End

Restart:

If mode='SHOWIND' Then Do

  'EXEC QSPIRES SHOW IND ( STACK NOSTAR IN' subfile
  j=0;
  Do Queued()
    Parse Pull . 'Index:' term '(' 'qual' ')'
    If term='' Then Iterate
    j = j+1
    Term.j = Strip(term)
  End

  Queue '<TITLE>Index keywords available for FreeHEP</TITLE>'
  Queue '<H2>Index keywords available for FreeHEP</H2>'

  Queue 'Note: Commas separate synonyms.'
/*
* We do not include indexes with no synonyms (for FreeHEP)
*/
Do i=1 to j
  p = LastPos(',', Term.i)
  if p=0 Then Iterate
  term = Strip(SubStr(Term.i, p+1))
  If i=1 Then Prefix = '<UL>'

```

```

        Else Prefix = '<LI>'
        Queue Prefix '<A HREF=/FIND/'subfile'/'term'//BROWSE>'
        Queue Term.i '</A>'
        End
    Queue '</UL>'
    End

Else If mode='BROWSE' Then Do

    n = nCriteria
    'EXEC QSPIRES BROWSE' Index.n Value.n '( STACK NOSTAR IN' subfile
    j = Queued()
    Do i=1 to j
        Parse Pull Term.i
        Term.i = Strip(Term.i)
        End

    'EXEC QSPIRES SHOW ELEM DESC' Index.n '(STACK NOSTAR IN' subfile
    Pull .
    Pull .
    jj = Queued()
    Do i=1 to jj
        Parse Pull Desc.i
        Desc.i = Strip(Desc.i)
        End

    Queue '<TITLE>Browse' Index.n Decode(Value.n) 'for FreeHEP</TITLE>'
    Queue '<H2>Browse' Index.n Decode(Value.n) 'for FreeHEP</H2>'
    Queue '<IsIndex>'
    Queue '<H3>Description</H3>'
    Do i=1 to jj
        Queue Desc.i
        End
    Queue '<H3>Typical values</H3>'
    Do i=1 to j
        If i=1 Then Prefix = '<UL>'
        Else Prefix = '<LI>'
        Queue Prefix '<A HREF=/FIND/'subfile'/'Index.n'/'Encode(Term.i)'/RESULT>'
        Queue Term.i '</A>'
        End
    Queue '</UL>'
    Queue 'Choose one of the above or type a new value.'
    End

Else If mode='INDEX' Then Do

    'EXEC QSPIRES FIND' SpiresTerm '( STACK NOSTAR IN' subfile 'BRIEF'

    i = 0;
    Do Queued()
        Parse Pull Line
        if Substr(Line,1,10)='No records' Then Do
            Do Queued()
                Pull.
                End
            Mode = 'RESULT'
            Signal Restart
            End

        Parse Var Line Title": " Name

```

```

Title = Strip(Title)
Name = Strip(Name)
If Title = 'Freehep Name' Then Do
    i=i+1
    Name.i = Name
    Title.i = ""
End
Else If Title = 'Title' Then Title.i = Name
Else If Title.i = '' Then Name.i = Name.i Strip(Line)
    Else Title.i = Title.i Strip(Line)
End

Queue '<TITLE>List of FreeHEP packages</TITLE>'
Queue '<H1>List of FreeHEP packages</H1>'
Queue '<DL>'
Do j=1 to i
    Queue '<DT><A HREF=/FIND/FREEHEP/NAME/'Encode(Name.j)'/FULL>'
    Queue Name.j'</A>'
    If Title.J /= "" Then Queue '<DD>'Title.j
End
Queue '</DL>'
End

Else If mode='RESULT' | mode='NARROW' Then Do

'EXEC QSPIRES FIND' SpiresTerm '( STACK NOSTAR RESULT IN' subfile
Parse Pull Line
If Line = 'Invalid index term' Then Do
    If NCriteria=1 Then Do
        Queue 'Your index keyword ('Index.1') is invalid.'
    End
    Else Do
        Queue 'One of your index keywords ('Index.1
        Do i=2 to NCriteria-1
            Queue ',' Index.i
        End
        Queue 'or' Index.NCriteria') is invalid.'
    End
    Queue 'You can obtain a list of'
    Queue '<A HREF=/FIND/FREEHEP/SHOWIND>valid keywords</A> or'
    Queue '<A HREF=/FIND/FHSPIRES.HTML>start a new search</A>.'
End
Else Do
    Parse Var Line 'Result' N .

    if NCriteria=1 Then latin = "criterium"
        Else latin = "criteria"

    if NCriteria=1 Then are = "is"
        Else are = "are"

    Queue '<P>'
    Queue 'Your current search' latin are':'
    Do i=1 to NCriteria
        If i=1 Then Prefix = '<UL>'
            Else Prefix = '<LI>'
        Queue Prefix Index.i Decode(Value.i)
    End
    Queue '</UL>'

```

```

If n=''      Then Queue 'No packages matched your search' latin '.'
Else If n=1 Then Queue '1 package matched your search' latin '.'
            Else Queue N 'packages matched your search' latin '.'

If Mode='RESULT' Then Do
  Queue '<P>You may now'
  if n=1 Then Do
    Queue '<A HREF=/FIND/FREEHEP/'criteria'/FULL>'
    Queue 'examine the entry that matched your' latin '</A>,'
    End
  Else if n>1 Then Do
    Queue '<A HREF=/FIND/FREEHEP/'criteria'/INDEX>'
    Queue 'examine a list of items that matched your' latin '</A>,'
    Queue 'continue to narrow down your search by specifying'
    Queue '<A HREF=/FIND/FREEHEP/'criteria'/NARROW>'
    Queue 'further criteria</A>,'
    End
  Else Do
    Queue '<A HREF=/FIND/FREEHEP/'criteria'/BROWSE>'
    Queue 'browse a list of values</A> that almost matched your'
    Queue 'last criterium,'
    End
    Queue 'or <A HREF=/FIND/FHSPIRES.HTML>start a new search</A>.'
    End
  Else Do /* NARROW */
    Queue '<P>'
    'EXECIO * DISKR FHNARROW HTML ( FINI'
    End
  End
End
Else Do

  'EXEC QSPIRES FIND' SpiresTerm '( STACK NOSTAR IN' subfile

Ref = ''
Title = ''
i=0
Do Queued()
  Parse Pull Line
  if Substr(Line,1,10)='No records' Then Do
    Do Queued()
    Pull.
    End
    Mode = 'RESULT'
    Signal Restart
    End

  Parse Var Line . 'Freehep Name:' Name

  if Name /= '' Then Do
    Title = Strip(Name)
    CPos = Index(Line,':')
    End

  Parse Var Line . 'See Also:' Refs
  if Refs = '' Then Do
    i = i+1
    Line.i = Line
    End

```

```

Else Ref = Refs
End

If Title/='' Then Do
  Queue '<TITLE>'Title'</TITLE>'
  Queue '<H1>'Title'</H1>'
End

Queue '<dl>'
j=0
Do While j<i
  j=j+1
  If Substr(Line.j,CPos,1)=':' Then Do
    Parse Var Line.J Key ':' Stuff
    Key = Strip(Key)
    If Key='Subject Areas' Then Do
      Queue '<dt>'Key'<dd>'
      Do Until Stuff=''
        Parse Var Stuff Nonsense ',' Stuff
        Nonsense = Strip(Nonsense)
        Queue '<a href=/FIND/FREEHEP/SECTION/'Nonsense'/INDEX>'
        If Stuff='' Then Queue Nonsense'</a>'
        Else Queue Nonsense'</a>,'
      End
      End
    Else If Key='Abstract' Then Leave
    Else Queue '<dt>'Key'<dd>'Strip(Stuff)
    End
  Else Do
    templine = Strip(Line.j)
    If templine/='' Then Queue templine
  End
End
Queue '</dl>'

if Ref/='' Then Queue 'See also'
Do While Ref/=''
  Parse Var Ref R','Ref
  R = Strip(R)
  if Ref='' Then Punc='.'
  Else Punc=','
  Queue '<A HREF=/FIND/FREEHEP/NAME/'R'/FULL>'R'</A>'Punc
End

If j<i Then Queue '<h2>'Key'</h2>'Strip(Stuff)

Do While j<i
  j=j+1
  If Line.j="" Then Queue '<p>'
  Else Queue Strip(Line.j)
  End
End

'SHOWSTAK'

Return Queued()

/* Spires search term values may have spaces in them, but WWW filespecs
cannot, so here we encode names.

*/

```

```

Encode: Procedure
Parse Arg String

Bad  = '% ()?/<>'
Good = '%BOCQSGL'

Out = ''
Do I=1 to Length(String)
  c = Substr(String,i,1)
  if Index(bad,c)/=0 Then Out = Out||'%Translate(c,good,bad)
                                Else Out = Out||c
End
Return Out

Decode: Procedure
Parse Arg String

Bad  = '% ()?/<>'
Good = '%BOCQSGL'

Out = ''
Esc = 0
Do I=1 to Length(String)
  c = Substr(String,i,1)
  if Esc Then Do
    Out = Out||Translate(c,bad,good)
    Esc = 0
  End
  Else if c = '%' Then Esc = 1
  Else Out = Out||c
End
Return Out

```

```

/*****
/*
/* FHGET EXEC - Special processing of files for freehep
/*
/* TonyJ, May 1992
/*
/*
/*****

Parse upper arg ip_adr file '(' options

Say time() 'FHGET received:' ip_adr file '(' options

Parse Var file subfile '/' rest
p = LastPos('/', rest)
mode = Substr(rest, p+1)
if p>0 Then criteria = Substr(rest, 1, p-1)
    else criteria = ''
temp = criteria
n=0
Do While temp/=''
    n = n+1
    Parse Var temp Index.n '/' Value.n '/' temp
    If Value.n='*' Then Value.n='>a'
    Else If Value.n='LASTDAY' Then Value.n=">=Date()"
    Else If Value.n='LASTWEEK' Then Value.n=">=XDate('I', -7)"
    Else If Value.n='LAST2WEEKS' Then Value.n=">=XDate('I', -14)"
    Else If Value.n='LASTMONTH' Then Value.n=">=XDate('I', -28)"
    End

NCriteria = n
SpireTerm = Index.1 Decode(Value.1)
Do i=2 to NCriteria
    SpireTerm = SpireTerm 'AND' Index.i Decode(Value.i)
End

Restart:

If mode='SHOWIND' Then Do

    'EXEC QSPIRES SHOW IND ( STACK NOSTAR IN' subfile
    j=0;
    Do Queued()
        Parse Pull . 'Index:' term '(' 'quals' ')'.
        If term='' Then Iterate
        j = j+1
        Term.j = Strip(term)
    End

    Queue '<TITLE>Index keywords available for FreeHEP</TITLE>'
    Queue '<H2>Index keywords available for FreeHEP</H2>'

    Queue 'Note: Commas separate synonyms.'

/*
* We do not include indexes with no synonyms (for FreeHEP)
*/

Do i=1 to j
    p = LastPos(',', Term.i)
    if p=0 Then Iterate
    term = Strip(SubStr(Term.i, p+1))
    If i=1 Then Prefix = '<UL>'

```

```

        Else Prefix = '<LI>'
        Queue Prefix '<A HREF=/FIND/'subfile'/'term'//BROWSE>'
        Queue Term.i '</A>'
        End
    Queue '</UL>'
    End

Else If mode='BROWSE' Then Do

    n = nCriteria
    'EXEC QSPIRES BROWSE' Index.n Value.n '( STACK NOSTAR IN' subfile
    j = Queued()
    Do i=1 to j
        Parse Pull Term.i
        Term.i = Strip(Term.i)
        End

    'EXEC QSPIRES SHOW ELEM DESC' Index.n '(STACK NOSTAR IN' subfile
    Pull .
    Pull .
    jj = Queued()
    Do i=1 to jj
        Parse Pull Desc.i
        Desc.i = Strip(Desc.i)
        End

    Queue '<TITLE>Browse' Index.n Decode(Value.n) 'for FreeHEP</TITLE>'
    Queue '<H2>Browse' Index.n Decode(Value.n) 'for FreeHEP</H2>'
    Queue '<IsIndex>'
    Queue '<H3>Description</H3>'
    Do i=1 to jj
        Queue Desc.i
        End
    Queue '<H3>Typical values</H3>'
    Do i=1 to j
        If i=1 Then Prefix = '<UL>'
        Else Prefix = '<LI>'
        Queue Prefix '<A HREF=/FIND/'subfile'/'Index.n'/'Encode(Term.i)'/RESULT>'
        Queue Term.i '</A>'
        End
    Queue '</UL>'
    Queue 'Choose one of the above or type a new value.'
    End

Else If mode='INDEX' Then Do

    'EXEC QSPIRES FIND' SpiresTerm '( STACK NOSTAR IN' subfile 'BRIEF'

    i = 0;
    Do Queued()
        Parse Pull Line
        if Substr(Line,1,10)='No records' Then Do
            Do Queued()
                Pull.
                End
            Mode = 'RESULT'
            Signal Restart
            End

        Parse Var Line Title": " Name

```



```

Title = Strip(Title)
Name = Strip(Name)
If Title = 'Freehep Name' Then Do
  i=i+1
  Name.i = Name
  Title.i = ""
End
Else If Title = 'Title' Then Title.i = Name
Else If Title.i = '' Then Name.i = Name.i Strip(Line)
      Else Title.i = Title.i Strip(Line)
End

Queue '<TITLE>List of FreeHEP packages</TITLE>'
Queue '<H1>List of FreeHEP packages</H1>'
Queue '<DL>'
Do j=1 to i
  Queue '<DT><A HREF=/FIND/FREEHEP/NAME/'Encode(Name.j) '/FULL>'
  Queue Name.j'</A>'
  If Title.J /= "" Then Queue '<DD>'Title.j
End
Queue '</DL>'
End

Else If mode='RESULT' | mode='NARROW' Then Do

'EXEC QSPIRES FIND' SpiresTerm '( STACK NOSTAR RESULT IN' subfile
Parse Pull Line
If Line = 'Invalid index term' Then Do
  If NCriteria=1 Then Do
    Queue 'Your index keyword ('Index.1') is invalid.'
  End
  Else Do
    Queue 'One of your index keywords ('Index.1
    Do i=2 to NCriteria-1
      Queue ',' Index.i
    End
    Queue 'or' Index.NCriteria') is invalid.'
  End
  Queue 'You can obtain a list of'
  Queue '<A HREF=/FIND/FREEHEP/SHOWIND>valid keywords</A> or'
  Queue '<A HREF=/FIND/FHSPIRES.HTML>start a new search</A>.'
End
Else Do
  Parse Var Line 'Result' N .

  if NCriteria=1 Then latin = "criterium"
    Else latin = "criteria"

  if NCriteria=1 Then are = "is"
    Else are = "are"

  Queue '<P>'
  Queue 'Your current search' latin are':'
  Do i=1 to NCriteria
    If i=1 Then Prefix = '<UL>'
      Else Prefix = '<LI>'
    Queue Prefix Index.i Decode(Value.i)
  End
  Queue '</UL>'

```

```

If n=''      Then Queue 'No packages matched your search' latin'.'
Else If n=1 Then Queue '1 package matched your search' latin'.'
            Else Queue N 'packages matched your search' latin'.'

If Mode='RESULT' Then Do
  Queue '<P>You may now'
  if n=1 Then Do
    Queue '<A HREF=/FIND/FREEHEP/'criteria'/FULL>'
    Queue 'examine the entry that matched your' latin'</A>,'
    End
  Else if n>1 Then Do
    Queue '<A HREF=/FIND/FREEHEP/'criteria'/INDEX>'
    Queue 'examine a list of items that matched your' latin'</A>,'
    Queue 'continue to narrow down your search by specifying'
    Queue '<A HREF=/FIND/FREEHEP/'criteria'/NARROW>'
    Queue 'further criteria</A>,'
    End
  Else Do
    Queue '<A HREF=/FIND/FREEHEP/'criteria'/BROWSE>'
    Queue 'browse a list of values</A> that almost matched your'
    Queue 'last criterium,'
    End
    Queue 'or <A HREF=/FIND/FHSPIRES.HTML>start a new search</A>.'
    End
  Else Do /* NARROW */
    Queue '<P>'
    'EXECIO * DISKR FHNARROW HTML ( FINI'
    End
  End
End
End
Else Do

  'EXEC QSPIRES FIND' SpiresTerm '( STACK NOSTAR IN' subfile

Ref = ''
Title = ''
i=0
Do Queued()
  Parse Pull Line
  if Substr(Line,1,10)='No records' Then Do
    Do Queued()
    Pull.
    End
    Mode = 'RESULT'
    Signal Restart
    End

  Parse Var Line . 'Freehep Name:' Name

  if Name /= '' Then Do
    Title = Strip(Name)
    CPos = Index(Line,':')
    End

  Parse Var Line . 'See Also:' Refs
  if Refs = '' Then Do
    i = i+1
    Line.i = Line
    End

```

```

Else Ref = Refs
End

If Title/='' Then Do
  Queue '<TITLE>'Title'</TITLE>'
  Queue '<H1>'Title'</H1>'
End

Queue '<dl>'
j=0
Do While j<i
  j=j+1
  If Substr(Line.j,CPos,1)=':' Then Do
    Parse Var Line.J Key ':' Stuff
    Key = Strip(Key)
    If Key='Subject Areas' Then Do
      Queue '<dt>'Key'<dd>'
      Do Until Stuff=''
        Parse Var Stuff Nonsense ',' Stuff
        Nonsense = Strip(Nonsense)
        Queue '<a href=/FIND/FREEHEP/SECTION/'Nonsense'/INDEX>'
        If Stuff='' Then Queue Nonsense'</a>'
        Else Queue Nonsense'</a>,'
      End
    End
    Else If Key='Abstract' Then Leave
    Else Queue '<dt>'Key'<dd>'Strip(Stuff)
    End
  Else Queue Strip(Line.j)
  End
Queue '</dl>'

if Ref/='' Then Queue 'See also'
Do While Ref/=''
  Parse Var Ref R','Ref
  R = Strip(R)
  if Ref='' Then Punc='.'
  Else Punc=','
  Queue '<A HREF=/FIND/FREEHEP/NAME/'R'/FULL>'R'</A>'Punc
End

If j<i Then Queue '<h2>'Key'</h2>'Strip(Stuff)

Do While j<i
  j=j+1
  If Line.j="" Then Queue '<p>'
  Else Queue Strip(Line.j)
End
End

'SHOWSTAK'

Return Queued()

/* Spires search term values may have spaces in them, but WWW filespecs
cannot, so here we encode names.

*/
Encode: Procedure
Parse Arg String

```

```

Bad  = '% ()?/<>'
Good = '%BOCQSGL'

Out = ''
Do I=1 to Length(String)
  c = Substr(String,i,1)
  if Index(bad,c)/=0 Then Out = Out||'%Translate(c,good,bad)
                        Else Out = Out||c
End
Return Out

Decode: Procedure
Parse Arg String

Bad  = '% ()?/<>'
Good = '%BOCQSGL'

Out = ''
Esc = 0
Do I=1 to Length(String)
  c = Substr(String,i,1)
  if Esc Then Do
    Out = Out||Translate(c,bad,good)
    Esc = 0
  End
  Else if c = '%' Then Esc = 1
  Else Out = Out||c
End
Return Out

```

```

/*****
/*
/* FHGET EXEC - Special processing of files for freehep
/*
/* TonyJ, May 1992
/*
/*****

Parse upper arg ip_adr file '(' options

Say time() 'FHGET received:' ip_adr file '(' options

Parse Var file subfile '/' rest
p = LastPos('/', rest)
mode = Substr(rest, p+1)
if p>0 Then criteria = Substr(rest, 1, p-1)
    else criteria = ''
temp = criteria
n=0
Do While temp/=''
    n = n+1
    Parse Var temp Index.n '/' Value.n '/' temp
    If Value.n='' Then Value.n='>a'
    Else If Value.n='LASTDAY' Then Value.n=">=Date()"
    Else If Value.n='LASTWEEK' Then Value.n=">=XDate('I', -7)"
    Else If Value.n='LAST2WEEKS' Then Value.n=">=XDate('I', -14)"
    Else If Value.n='LASTMONTH' Then Value.n=">=XDate('I', -28)"
End

NCriteria = n
SpiresTerm = Index.1 Decode(Value.1)
Do i=2 to NCriteria
    SpiresTerm = SpiresTerm 'AND' Index.i Decode(Value.i)
End

Restart:

If mode='SHOWIND' Then Do

    'EXEC QSPIRES SHOW IND ( STACK NOSTAR IN' subfile
    j=0;
    Do Queued()
        Parse Pull . 'Index:' term '(' 'qual' ')'.
        If term='' Then Iterate
        j = j+1
        Term.j = Strip(term)
    End

    Queue '<TITLE>Index keywords available for FreeHEP</TITLE>'
    Queue '<H2>Index keywords available for FreeHEP</H2>'

    Queue 'Note: Commas separate synonyms.'

/*
* We do not include indexes with no synonyms (for FreeHEP)
*/

Do i=1 to j
    p = LastPos(',', Term.i)
    if p=0 Then Iterate
    term = Strip(SubStr(Term.i, p+1))
    If i=1 Then Prefix = '<UL>'

```

```

        Else Prefix = '<LI>'
        Queue Prefix '<A HREF=/FIND/'subfile'/'term'//BROWSE>'
        Queue Term.i '</A>'
        End
    Queue '</UL>'
    End

Else If mode='BROWSE' Then Do

    n = nCriteria
    'EXEC QSPIRES BROWSE' Index.n Value.n '( STACK NOSTAR IN' subfile
    j = Queued()
    Do i=1 to j
        Parse Pull Term.i
        Term.i = Strip(Term.i)
        End

    'EXEC QSPIRES SHOW ELEM DESC' Index.n '(STACK NOSTAR IN' subfile
    Pull .
    Pull .
    jj = Queued()
    Do i=1 to jj
        Parse Pull Desc.i
        Desc.i = Strip(Desc.i)
        End

    Queue '<TITLE>Browse' Index.n Decode(Value.n) 'for FreeHEP</TITLE>'
    Queue '<H2>Browse' Index.n Decode(Value.n) 'for FreeHEP</H2>'
    Queue '<IsIndex>'
    Queue '<H3>Description</H3>'
    Do i=1 to jj
        Queue Desc.i
        End
    Queue '<H3>Typical values</H3>'
    Do i=1 to j
        If i=1 Then Prefix = '<UL>'
        Else Prefix = '<LI>'
        Queue Prefix '<A HREF=/FIND/'subfile'/'Index.n'/'Encode(Term.i)'/RESULT>'
        Queue Term.i '</A>'
        End
    Queue '</UL>'
    Queue 'Choose one of the above or type a new value.'
    End

Else If mode='INDEX' Then Do

    'EXEC QSPIRES FIND' SpiresTerm '( STACK NOSTAR IN' subfile 'BRIEF'

    i = 0;
    Do Queued()
        Parse Pull Line
        if Substr(Line,1,10)='No records' Then Do
            Do Queued()
                Pull.
                End
            Mode = 'RESULT'
            Signal Restart
            End

        Parse Var Line Title": " Name

```

```

Title = Strip(Title)
Name = Strip(Name)
If Title = 'Freehep Name' Then Do
  i=i+1
  Name.i = Name
  Title.i = ""
End
Else If Title = 'Title' Then Title.i = Name
Else If Title.i = '' Then Name.i = Name.i Strip(Line)
      Else Title.i = Title.i Strip(Line)
End

Queue '<TITLE>List of FreeHEP packages</TITLE>'
Queue '<H1>List of FreeHEP packages</H1>'
Queue '<DL>'
Do j=1 to i
  Queue '<DT><A HREF=/FIND/FREEHEP/NAME/'Encode(Name.j)'/FULL>'
  Queue Name.j'</A>'
  If Title.J /= "" Then Queue '<DD>'Title.j
End
Queue '</DL>'
End

Else If mode='RESULT' | mode='NARROW' Then Do

  'EXEC QSPIRES FIND' SpiresTerm '( STACK NOSTAR RESULT IN' subfile
Parse Pull Line
If Line = 'Invalid index term' Then Do
  If NCriteria=1 Then Do
    Queue 'Your index keyword ('Index.1') is invalid.'
  End
  Else Do
    Queue 'One of your index keywords ('Index.1
    Do i=2 to NCriteria-1
      Queue ', ' Index.i
    End
    Queue 'or' Index.NCriteria') is invalid.'
  End
  Queue 'You can obtain a list of'
  Queue '<A HREF=/FIND/FREEHEP/SHOWIND>valid keywords</A> or'
  Queue '<A HREF=/FIND/FHSPIRES.HTML>start a new search</A>.'
End
Else Do
  Parse Var Line 'Result' N .

  if NCriteria=1 Then latin = "criterium"
    Else latin = "criteria"

  if NCriteria=1 Then are = "is"
    Else are = "are"

  Queue '<P>'
  Queue 'Your current search' latin are':.'
  Do i=1 to NCriteria
    If i=1 Then Prefix = '<UL>'
      Else Prefix = '<LI>'
    Queue Prefix Index.i Decode(Value.i)
  End
  Queue '</UL>'

```

```

If n=''      Then Queue 'No packages matched your search' latin'.'
Else If n=1 Then Queue '1 package matched your search' latin'.'
            Else Queue N 'packages matched your search' latin'.'

If Mode='RESULT' Then Do
  Queue '<P>You may now'
  if n=1 Then Do
    Queue '<A HREF=/FIND/FREEHEP/'criteria'/FULL>'
    Queue 'examine the entry that matched your' latin'</A>,'
    End
  Else if n>1 Then Do
    Queue '<A HREF=/FIND/FREEHEP/'criteria'/INDEX>'
    Queue 'examine a list of items that matched your' latin'</A>,'
    Queue 'continue to narrow down your search by specifying'
    Queue '<A HREF=/FIND/FREEHEP/'criteria'/NARROW>'
    Queue 'further criteria</A>,'
    End
  Else Do
    Queue '<A HREF=/FIND/FREEHEP/'criteria'/BROWSE>'
    Queue 'browse a list of values</A> that almost matched your'
    Queue 'last criterium,'
    End
    Queue 'or <A HREF=/FIND/FHSPIRES.HTML>start a new search</A>.'
    End
  Else Do /* NARROW */
    Queue '<P>'
    'EXECIO * DISKR FHNARROW HTML ( FINI'
    End
  End
End
Else Do

  'EXEC QSPIRES FIND' SpiresTerm '( STACK NOSTAR IN' subfile

Ref = ''
Title = ''
i=0
Do Queued()
  Parse Pull Line
  if Substr(Line,1,10)='No records' Then Do
    Do Queued()
    Pull.
    End
  Mode = 'RESULT'
  Signal Restart
  End

  Parse Var Line . 'Freehep Name:' Name

  if Name /= '' Then Do
    Title = Strip(Name)
    CPos = Index(Line,':')
    End

  Parse Var Line . 'See Also:' Refs
  if Refs = '' Then Do
    i = i+1
    Line.i = Line
    End

```



```

Else Ref = Refs
End

If Title/='' Then Do
  Queue '<TITLE>'Title'</TITLE>'
  Queue '<H1>'Title'</H1>'
End

Queue '<dl>'
j=0
Do While j<i
  j=j+1
  If Substr(Line.j,CPos,1)=':' Then Do
    Parse Var Line.J Key ':' Stuff
    Key = Strip(Key)
    If Key='Subject Areas' Then Do
      Queue '<dt>'Key'<dd>'
      Do Until Stuff=''
        Parse Var Stuff Nonsense ',' Stuff
        Nonsense = Strip(Nonsense)
        Queue '<a href=/FIND/FREEHEP/SECTION/'Nonsense'/INDEX>'
        If Stuff='' Then Queue Nonsense'</a>'
        Else Queue Nonsense'</a>,'
      End
      End
    Else If Key='Abstract' Then Leave
    Else Queue '<dt>'Key'<dd>'Strip(Stuff)
    End
  Else Do
    templine = Strip(Line.j)
    If templine/='' Then Queue templine
  End
End
Queue '</dl>'

if Ref/='' Then Queue 'See also'
Do While Ref/=''
  Parse Var Ref R','Ref
  R = Strip(R)
  if Ref='' Then Punc='.'
  Else Punc=','
  Queue '<A HREF=/FIND/FREEHEP/NAME/'R'/FULL>'R'</A>'Punc
End

If j<i Then Queue '<h2>'Key'</h2>'Strip(Stuff)

Do While j<i
  j=j+1
  If Line.j="" Then Queue '<p>'
  Else Queue Strip(Line.j)
End
End

'SHOWSTAK'

Return Queued()

/* Spires search term values may have spaces in them, but WWW filespecs
cannot, so here we encode names.

```

```

*/
Encode: Procedure
Parse Arg String

Bad  = '% ()?/<>'
Good = '%BOCQSGL'

Out = ''
Do I=1 to Length(String)
  c = Substr(String,i,1)
  if Index(bad,c)/=0 Then Out = Out||'%Translate(c,good,bad)
                                Else Out = Out||c
End
Return Out

Decode: Procedure
Parse Arg String

Bad  = '% ()?/<>'
Good = '%BOCQSGL'

Out = ''
Esc = 0
Do I=1 to Length(String)
  c = Substr(String,i,1)
  if Esc Then Do
    Out = Out||Translate(c,bad,good)
    Esc = 0
  End
  Else if c = '%' Then Esc = 1
  Else Out = Out||c
End
Return Out

```

```

/*****
/*
/* FHGET EXEC - Special processing of files for freehep
/*
/* TonyJ, May 1992
/*
/*
*****/

Parse upper arg ip_adr file '(' options

Say time() 'FHGET received:' ip_adr file '(' options

Parse Var file subfile '/' rest
p = LastPos('/', rest)
mode = Substr(rest, p+1)
if p>0 Then criteria = Substr(rest, 1, p-1)
      else criteria = ''
temp = criteria
n=0
Do While temp/=''
  n = n+1
  Parse Var temp Index.n '/' Value.n '/' temp
  If Value.n='*' Then Value.n='>a'
  Else If Value.n='LASTDAY' Then Value.n=">=Date()"
  Else If Value.n='LASTWEEK' Then Value.n=">=XDate('I', -7)"
  Else If Value.n='LAST2WEEKS' Then Value.n=">=XDate('I', -14)"
  Else If Value.n='LASTMONTH' Then Value.n=">=XDate('I', -28)"
End

NCriteria = n
SpiresTerm = Index.1 Decode(Value.1)
Do i=2 to NCriteria
  SpiresTerm = SpiresTerm 'AND' Index.i Decode(Value.i)
End

Restart:

If mode='SHOWIND' Then Do

  'EXEC QSPIRES SHOW IND ( STACK NOSTAR IN' subfile
  j=0;
  Do Queued()
    Parse Pull . 'Index:' term '(' 'quals')'.
    If term='' Then Iterate
    j = j+1
    Term.j = Strip(term)
  End

  Queue '<TITLE>Index keywords available for FreeHEP</TITLE>'
  Queue '<H2>Index keywords available for FreeHEP</H2>'

  Queue 'Note: Commas separate synonyms.'
/*
* We do not include indexes with no synonyms (for FreeHEP)
*/
Do i=1 to j
  p = LastPos(',', Term.i)
  if p=0 Then Iterate
  term = Strip(SubStr(Term.i, p+1))
  If i=1 Then Prefix = '<UL>'

```

```

        Else Prefix = '<LI>'
        Queue Prefix '<A HREF=/FIND/'subfile'/'term'//BROWSE>'
        Queue Term.i '</A>'
        End
    Queue '</UL>'
    End

Else If mode='BROWSE' Then Do

    n = nCriteria
    'EXEC QSPIRES BROWSE' Index.n Value.n '( STACK NOSTAR IN' subfile
    j = Queued()
    Do i=1 to j
        Parse Pull Term.i
        Term.i = Strip(Term.i)
    End

    'EXEC QSPIRES SHOW ELEM DESC' Index.n '(STACK NOSTAR IN' subfile
    Pull .
    Pull .
    jj = Queued()
    Do i=1 to jj
        Parse Pull Desc.i
        Desc.i = Strip(Desc.i)
    End

    Queue '<TITLE>Browse' Index.n Decode(Value.n) 'for FreeHEP</TITLE>'
    Queue '<H2>Browse' Index.n Decode(Value.n) 'for FreeHEP</H2>'
    Queue '<IsIndex>'
    Queue '<H3>Description</H3>'
    Do i=1 to jj
        Queue Desc.i
    End
    Queue '<H3>Typical values</H3>'
    Do i=1 to j
        If i=1 Then Prefix = '<UL>'
        Else Prefix = '<LI>'
        Queue Prefix '<A HREF=/FIND/'subfile'/'Index.n'/'Encode(Term.i)'/RESULT>'
        Queue Term.i '</A>'
    End
    Queue '</UL>'
    Queue 'Choose one of the above or type a new value.'
    End

Else If mode='INDEX' Then Do

    'EXEC QSPIRES FIND' SpiresTerm '( STACK NOSTAR IN' subfile 'BRIEF'

    i = 0;
    Do Queued()
        Parse Pull Line
        if Substr(Line,1,10)='No records' Then Do
            Do Queued()
                Pull.
            End
            Mode = 'RESULT'
            Signal Restart
        End

        Parse Var Line Title": " Name

```