

# 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 HEP Preprint database search - Use QSPIRES search language  
(consolidate as in examples since no iterative search via WWW):

```
find author Perl, M and title tau and date before 1980 (using brief
sho indexes
browse exp slac-slc
browse cn mark-II
find cn prefix mark-iii and date after march 1992 (using full
browse coden physics letters
find c phlta,770B,487
browse affiliation caltech
find af cal tech and date 1992
browse topic higgs
find topic higgs boson or title higgs and date 1992 (using allkeys
browse last PPF
find ppf 9234 (seq rs brief
```

# **SPIRES - Hepnames Database - World-Wide HEP e-mail directory**

Perform search using standard SPIRES terms.

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SLAC SPIRES HEPNAMES database search

Use standard SPIRES search terms such as...

find name berners-lee  
find name Jones  
sho filesize  
explain hepnames

# HEPLIB

The first HEPLIB user's meeting was held at the SSC Laboratory, Dallas, Texas, September 19-20, 1991. Fifty-four scientists from thirty-one High Energy Physics research institutes and universities met for two full days to discuss the support and environments of High Energy Physics computing and to form and define the scope of a HEPLIB Users Group.

## Objectives

There was a general consensus for the following objectives:

- HEPLIB should be world users group for enhancements, communications, and distribution of software in the HEP computing environments.
- HEPLIB will collect, maintain, document, and distribute shareable application software for HEP computing as well as non-HEP applications, including code management systems in heterogeneous environments, data base systems, and automatic installation and test procedures. (See FreeHEP).
- HEPLIB should promote and recommend industry, as well as HEP computing standards as appropriate, including operating systems, distributed computing environments, quality assurance, version control, and information exchange.

A steering committee was formed to plan subgroups, initiate exchange and communication, plan logistics, arrange for meetings, begin planning for a HEPLIB Newsletter, and look into questions of manpower and funding for the HEPLIB Users Group.

## Contacts

Initially, the following addresses may be used to contact the HEPLIB User Group :

Miguel Marquina  
CN Division  
CERN  
CH-1211 Geneve 23  
Switzerland

Tel (022) 767-4912  
Fax (022) 767-7155

Marquina@CERNVM

Herald Johnstad  
SSC Laboratory MS-2001  
2550 Beckleyemeade Avenue  
Dallas, Texas 75237  
U.S.A.

Tel (214) 708-6000  
Tel (214) 708-0006

Johnstad@SSCVX1.SSC.GOV

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## Progress

The current status of HEPLIB is summarized in three working documents:

Note 92-02

Summary - The HEPLIB'92/KEK International Users Meeting

Note 92-03

HEPLIB - Consensus and Objectives

Note 92-04

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Miguel Marquina

CERN

Jan Hendrik Peters

DESY

Irwin Gaines

FNAL

Robert Hollebeek

U Penn

Elisabetta Pace

INFN

Katsuya Amako

KEK

Tony Gabriel

ORNL

Andrea Palounek

LANL

Saul Youssef

SCRI

Tony Johnson

BU/SLAC

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SSC (chairman)

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U Tennessee

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## HEPLIB steering committee

The HEPLIB Steering Committee (HEPC) consists of volunteers from various scientific institutions. HEPC initiates information exchange methods and communication, plans logistics and meetings, and coordinates the development of proposals and guidelines proposed by the HEPLIB Users Group. members of HEPC are:

K. Amako  
KEK  
R. Brun  
CERN  
S. Frederiksen  
SSCL  
T. Gabriel  
ORNL  
I. Gaines  
FNAL  
T. Handler  
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# **SPIRES - Institutions Database - Address, phone & fax nos.**

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Get help for SPIRES

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SLAC SPIRES INSTITUTIONS database search

Use standard SPIRES search terms such as...

find address desy  
find address Chicago  
sho filesize  
explain institutions

To get information on searching the PARTICLES database,  
issue the command EXPLAIN PARTICLES from the WWW command line.

# SLAC-SPIRES PARTICLES 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:

---

SPIRES PARTICLE PROPERTIES BOOK Database

For additional information, suggestions, or comments, contact Gary Wagman, Particle Data Group 50-308, Lawrence Berkeley Lab, Berkeley, CA 94720 USA, or phone (510)486-6610. (email: WAGMAN@LBL.BITNET).

To find everything on a particle, enter

FIND PP ETA

FIND PP PI+-

FIND PP "K\*(892)"

(note quotes around special characters)

To find a specific particle property, enter

FIND PP ETA MASS

FIND PP PI+- MODES

FIND PP "K\*(892) REF"

For more information on searching, issue the command  
explain particles

```
/* REXX please      - Run Daemon */
address command
Say 'Access the disks for TCP/IP '
'EXEC GIME MAINT  5E5          (MODE -P'
'EXEC GIME TCPMNT 2B0 * READIT (MODE -P' /* TCP/IP source      */
'EXEC GIME TCPMNT 410 * DACUR  (MODE -P' /* TCP/IP base        */
'EXEC GIME TCPMNT 412 * DACUR  (MODE -P' /* TCP/IP text        */
'EXEC GIME TCPMNT 441 * DACUR  (MODE -P' /* TCP/IP last updates fixes */

Say 'Indicate to CMS which libraries to search'

'GLOBAL TXTLIB EDCBASE IBMLIB CMSLIB'

Say 'Access the disk with all the indices of XFIND'

'EXEC DROP Z'
'EXEC GIME TESTSERV 201 Z'

Say 'Start the DAEMON'

'HTDAEMON -v -a *:8000 -l findlog'
```

```
/* **** */
/*
/* RUNDAEMO EXEC - Starts WWW
/*
/* George Crane, April 1992
/*
/* **** */

'FILEDEF SYSIN TERM (LOWCASE CHANGE PERM RECFM U LRECL 120'
'CP LINK * 192 192 RR'
'ACCESS 192 B'

/* C compiler stuff */
'GIME C370'

/* set up TCP access */
"GIME TCPAPPL "
"GLOBAL TXTLIB IBMLIB CMSLIB EDCBASE COMMTXT VSPASCAL AMPLANG"
'EXEC GLOBADD LOADLIB EDCLINK'
'htdaemon -v -a *:0080'
```

```
/**/  
'EXEC GLOBADD LOADLIB EDCLINK'  
/* 'htdaemon -v -a *:2784' */  
'htdaemon -v -a *:2784'
```

```

/*****
/*
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/*
/* George Crane, April 1992
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```

```

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"GIME TCPAPPL "
"GLOBAL TXTLIB IBMLIB CMSLIB EDCBASE COMMTXT VSPASCAL AMPLANG"
'EXEC GLOBADD LOADLIB EDCLINK'
'HTDAEMON -V -A *:5080'

```

# SLAC World Wide Web Information

The SLAC World Wide Web (WWW) service provides access to a wide range of information from a variety of sources both at SLAC and elsewhere. Information is provided in the form of hypertext which allows users to follow pointers from one item to other related items, and thus to access the information they need in a simple intuitive manner. Information is accessed using the TCP/IP network and can actually reside anywhere in the world, although the user does not need to know where the information comes from.

A number of different programs (called browsers) are available to access WWW information for different platforms including VM, VMS, Unix and NeXT.

## SLAC information

### SLAC SPIRES

Information is available on SLAC people (BINLIST), HEP people (HEPNAMES), HEP publications, as well as many additional topics.

### Seminars

Seminars at SLAC and nearby, today, tomorrow, this week, next week, anytime.

### SLD

Information specific to the SLD experiment.

### FreeHep

Information on software available from HepLib.

## Other Information

See also HEP information( CERN, DESY etc.), academic information, APS News.

## Support

The WWW at SLAC is supported by the SLAC WWWizards, to whom questions - comments - complaints etc. should be addressed. The WWW project was initiated and is supported by a group based chiefly at CERN.

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### SLD

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### FreeHep

Information on software available from HepLib.

### VMS Help

Help information from SLACVX.

## Other Information

See also HEP information( CERN, DESY etc.), academic information, APS News.

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# Glossary of SLAC-related acronyms and terms

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Get help for SPIRES

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---

SLACSPEAK, Glossary of SLAC-related acronyms and terms

Use standard SPIRES search terms such as...

- find term CRID
- browse term internet
- show search terms
- find term CAMAC
- find term SLC OR SLD
- find term NEPA

or use the WHATIS command:

- whatis TCP/IP
- whatis WWW

```

/* Interface between WWW and SLD names list */

Parse upper arg ip_adr file '(' options

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

stdopts = 'FILE FATGROUP LIFO'

Parse Var File './File/'Value .

'GIME SLD 197'

If file='INSTITUTES' Then Do

    'NAMEFIND :NICK AFFLIST :LIST (' Stdopts 'SIZE *'
    Pull AffList
    InstList = ''
    Do i=1 to Words(AffList)
        'NAMEFIND :NICK' Word(AffList,i) ':LIST (' Stdopts
        Pull Inst
        InstList = InstList Inst
    End

    Queue '<title>SLD Collaborating institutes</title>'
    Queue '<h1>Institutes</h1>'
    Queue '<ul>'
    Do I=1 to Words(InstList)
        'NAMEFIND :NICK' Word(InstList,i) ':NAME (' Stdopts
        Parse Pull Inst
        Queue '<li><a href=INSTITUTE/'Word(InstList,i)'>'Inst'</a>'
    End
    End

Else If file='INSTITUTE' Then Do

    'NAMEFIND :NICK' Value ':NAME :ADDR :PHONE :TELEX :FAX :LIST (' StdOpts
    Pull List
    Parse Pull Fax
    Parse Pull Telex
    Parse Pull Phone
    Parse Pull Address
    Parse Pull Name

    Queue '<Title>'Name'</title>'
    Queue '<h2>'Name'</h2>'
    Queue '<dl><dt>Address:<dd>'Address
    Queue '<dt>Phone:<dd>'Phone
    If Telex/='' Then Queue '<dt>Telex:<dd>'Telex
    If Fax/='' Then Queue '<dt>Fax:<dd>'Fax
    Queue '</dl><h3>Collaborators</h3><ul>'
    If List='NOLISTS' Then Queue 'No active collaborators.'
    Else Do i=1 to Words(List)
        'NAMEFIND :NICK' Word(List,i) ':NAME (' Stdopts
        Parse Pull Name
        Queue '<li><a href=../NAME/'Word(List,i)'>'Name'</a>'
    End
    Queue '</ul>'
    End

Else If file='NAMES' Then Do

```

```

'NAMEFIND :NICK * :NICK :INSTITUTION :TYPE :NAME ( FILE FATGROUP SIZE * TYPE * WIL

n = Queued()/4
k = 0

Do n
  Pull Nick
  Pull Institution
  Pull Type
  Parse Pull Name
  If Institution/='' & Type/='LISTS' Then Do
    k = k+1
    Name.k='<li><a href=NAME/'Nick'>'Name'</a>'
  End
End

Queue '<TITLE>SLD Collaborators</title>'
Queue '<h2>Collaborators</h2><ul>'
Do i=1 to K
  Queue Name.i
End
Queue '</ul>'
End

Else If file='NAME' Then Do

  'NAMEFIND :NICK' Value ':NAME :INSTITUTION :phone :userid :node :addr ( 'StdOpts
  Parse Pull Addr
  Parse Pull Node
  Parse Pull Userid
  Parse Pull Phone
  Parse Pull Inst
  Parse Pull Name

  'NAMEFIND :NICK' Inst ':NAME (' Stdopts
  Parse Pull Institution

  Queue '<Title>'Name'</title>'
  Queue '<h2>'Name'</h2>'
  Queue '<dl><dt>Institution:<dd><a href=../INSTITUTE/'Inst'>'
  Queue 'Institution'</a>'
  Queue '<dt>Phone:<dd>'Phone
  If addr='@SLAC' Then Do
    'NAMEFIND :NICK' Value ':bin :offloc (' StdOpts
    Parse Pull Offloc
    Parse Pull Bin
    If Offloc/='' Then Queue '<dt>SLAC office:<dd>'Offloc
    If Bin/='' Then Queue '<dt>Mail Stop:<dd>'Bin
  End

  Queue '</dl>'

  If Node/='' Then Do
    Queue '<h3>Computer accounts</h3><ul>'
    Queue '<li>'Userid'@'Node

    Do i=1 to 20
      'NAMEFIND :NICK' Value ':userid'i ':node'i '(' Stdopts
      Parse Pull Node
      Parse Pull Userid

```

```
    If Node='' Then Leave
    Queue '<li>'Userid'@'Node
    End

    Queue '</ul>'
    End

End

'DROP SLD 197'

Return Queued();
```

```

/*****
/*
/* SMGET EXEC - Special processing of files for seminars
/*
/* TonyJ, Aug 1992
/*
/*
/*****/

```

Parse upper arg ip\_adr file '(' options

Say time() 'SMGET received:' ip\_adr file '(' options

Parse Var file subfile '/' date .

```

Year = 0
Day2 = 0
Day = X
if      date='TODAY'      Then Day = Date('B')
else if date='YESTERDAY' Then Day = Date('B')-1
else if date='TOMORROW'  Then Day = Date('B')+1
else if date='THISYEAR'  Then Parse Value Date() With . . Year .
else if date='NEXTYEAR'  Then Do
                                Parse Value Date() With . . Year .
                                Year = Year + 1
                                End
else if date='THISWEEK'  Then Do
                                Day  = XDate('LAST','SUNDAY','B')
                                Day2 = Day + 6
                                End
else if date='NEXTWEEK'  Then Do
                                Day  = XDate('NEXT','SUNDAY','B')
                                Day2 = Day + 6
                                End
else if DataType(date,'NUMBER') Then Day = Date
else if substr(date,1,5)='YEAR=' Then Parse Var date 'YEAR='Year .
else Parse Var Date Day-'Day2 .

If DataType(Day,"NUMBER")=0 Then Do

    If DataType(Year,"NUMBER")=0 Then Parse Value Date() With . . Year .

    Queue '<title>SLAC Seminars in' year '</title>'
    Queue '<h1>Seminars in' year '</h1>'

    Queue 'Choose day of interest or'
    Queue '<a href=/FIND/SEMINARS/TODAY>today</a>,'
    Queue '<a href=/FIND/SEMINARS/TOMORROW>tomorrow</a>,'
    Queue '<a href=/FIND/SEMINARS/THISWEEK>this week</a>,'
    Queue '<a href=/FIND/SEMINARS/NEXTWEEK>next week</a>,'
    Queue '<a href=/FIND/SEMINARS/YEAR='year-1'>previous year</a>,'
    Queue '<a href=/FIND/SEMINARS/YEAR='year+1'>following year</a>.'

    Day = Xdate('E','1/1/'year,'B')
    Leap = Xdate('E','1/1/'year,'L')

    Do i=1 to 12
        month = Word("January Febuary March April May June July August",
                     "Sepember October November December",i);
        days = Word("31 28 31 30 31 30 31 31 30 31 30 31",i)
    
```



```

Queue '<h3>'Month'</h3>'

if i=2 & leap Then days = days+1

do j=1 to days-1
  Queue '<a href='Day'>'j'</a>,'
  day = day+1
End
Queue '<a href='Day'>'days'</a>.'
day = day+1

End

return Queued()
End

if day2 = 0 Then Do
  RealDate = Xdate('B',Day)
  'EXEC QSPIRES FIND DATE' RealDate '( STACK NOSTAR IN' subfile
End
Else Do
  RealDate = Xdate('B',Day)
  RealDat2 = Xdate('B',Day2)
  'EXEC QSPIRES FIND DATE >=' RealDate 'AND DATE <=' RealDat2 ,
  '( STACK NOSTAR IN' subfile
End

i=0
Do Queued()
  Parse Pull Line

  if Substr(Line,1,10)='No records' Then Do
    Do Queued()
      Pull.
    End
  Leave
End

i = i+1
Line.i = Line
End

If day2 = 0 Then Do
  Queue '<title>SLAC Seminars for' Xdate('B',Day)'</title>'
  Queue '<h1>Seminars for' Xdate('B',Day)'</h1>'
  Queue '<p>See also'
  Queue '<a href='Day-1'>previous day</a>,'
  Queue '<a href='Day+1'>next day</a>.'
End

Else if day2 = day + 6 Then Do
  Queue '<title>SLAC Seminars for week beginning' Xdate('B',Day)'</title>'
  Queue '<h1>Seminars for week beginning' Xdate('B',Day)'</h1>'
  Queue '<p>See also'
  Queue '<a href='Day-7'-'Day2-7'>previous week</a>,'
  Queue '<a href='Day+7'-'Day2+7'>next week</a>.'
End

Else Do
  Queue '<title>SLAC Seminars from' Xdate('B',Day) 'to' Xdate('B',Day2)'</title>'

```

```

Queue '<h1>Seminars from' Xdate('B',Day) 'to' Xdate('B',Day2) '</h1>'
End

if i=0 Then Do
  If day2=0 Then Queue '<p>No seminars listed for this date.'
    Else Queue '<p>No seminars listed for these dates.'
  End
Else Do
  k = 0
  Do j=1 to i
    if k=0 Then Queue '<h3>'Line.j'</h3>'
    else do
      if Line.j = '' Then Do
        if k>0 Then Queue '</dl>'
        k=-1
        End
      Else Do
        if k=1 Then Queue '<dl>'
        Parse Var Line.j Key':Value
        if Value='' | ,
          Length(Key)>10 Then Queue Strip(Line.j)
          Else Queue '<dt>'Strip(Key)'<dd>'Strip(Value)
        End
      End
      k = k + 1
    End
  End
End

Return Queued()

```

# SLACVM SPIRES HEP Preprint Database

Search

Perform search using standard SPIRES terms.

Help

Get help for SPIRES

# SLACVM SPIRES HEP Preprint Database

Search

Perform search using standard SPIRES terms.

Help

Get help for SPIRES

# 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 HEP Preprint database search

Use standard SPIRES search terms such as...

find author Perl, M

find title tau and date 1980

# SLAC STORES Catalog and item listing

Find

Enter an item or partial description

Help

Help with STORES

# SLAC STORES Catalog and item listing

Find

Enter an item or partial description

Help

Help with STORES



## STORES: Stores Online Catalog Search Facility

Use the STORES command to search the Online Stores Catalog for catalog numbers, descriptions, prices, units of issue, and quantity balances (SLAC EXEC). This command does not replace existing ordering procedures.

### Syntax:

```
+-----+
| [function] value |
| Functions:       |
| ALLDes  allows any search word(s) |
| ----- |
| FAMDes  requires Family Description search word(s) |
| ITEMDes requires Item Description search word(s) |
| ALLNum  requires Catalog Identifier number |
| FAMNum  requires Catalog Identifier number |
| ITEMNum requires Catalog Identifier number |
| SPCode  requires Spare Parts Code |
+-----+
```

### PARAM:

function determines what portion of the Catalog will be searched (family, stock item or both), and how the Catalog will be searched (by Description or Catalog Identifier number). The following are valid functions:

- ALLDes displays both the family description and stock item catalog numbers that match the description search word(s) given in "value." Unit of issue, issue price, and balance on hand, are included for stock items.  
EXAMPLE: ALLDES OIL CUTTING
- FAMDes displays all family catalog numbers and their descriptions that match the family description search word(s) given in "value."  
This function provides a display similar in content to the printed Stores Catalog index.  
EXAMPLE: FAMDES PIPE
- ITEMDes displays all stock item catalog numbers that match the item description search word(s) given in "value." The output also includes unit of issue, issue price, and balance on hand.  
EXAMPLE: ITEMDES PENCIL BLACK | PENCIL BLK
- ALLNum displays both family description and stock item catalog numbers that match the catalog identifier number given in "value." Unit of issue, issue price, and balance on hand, are included for stock items.  
EXAMPLE: ALLNUM 68
- FAMNum displays all family catalog numbers and their descriptions that match the catalog identifier number given in "value."  
EXAMPLE: FAMNUM 55
- ITEMNum displays all stock item numbers that match the catalog identifier number given in "value." The output also includes unit of issue, issue price, and balance on hand.

EXAMPLE: ITEMNUM 684

SPCode displays both family description and stock item catalog numbers that match the spare parts code given in "value." Unit of issue, issue price, and balance on hand, are included for stock items.

EXAMPLE: SPCODE A099

value is the search term and may contain a catalog description search word(s), optionally combined by search qualifiers, a catalog identifier number, or a spare parts code, depending on which function is specified.

SEARCH WORD(s): (For ALLDes, FAMDes, and ITEMDes Functions)  
-----

Search words are words contained in either the family description or stock item description, such as PENCIL BLACK MECH. They must be separated by blank spaces and may be combined with search qualifiers. See Note 2 for important considerations in utilizing the Stores Online Catalog.

Search qualifiers are used to limit or expand a search. A blank space between two search words represents a logical AND, for inclusion purposes. The most useful qualifiers are as follows:  
.fo off

| Search<br>Qualifier | Abbrev-<br>iation | Example of Value                                                                                              |
|---------------------|-------------------|---------------------------------------------------------------------------------------------------------------|
| -----               | -----             | -----                                                                                                         |
| AND NOT             | &^                | PENCIL BLACK &^ PENCIL MECH                                                                                   |
| OR                  |                   | PENCIL BLACK   PENCIL BLUE                                                                                    |
| STRING              |                   | STRING OLD would find all descriptions<br>with words containing the string<br>OLD, such as HOLD, HOLDER, etc. |

Truncated searches may be accomplished by suffixing a star '\*' to search word(s). In the following example, all words beginning with PEN BL and ME would be found.

EXAMPLE: PEN\* BL\* ME\*

Also, compound searches can be done.

EXAMPLE: PENCIL RED | PENCIL BLUE &^ PENCIL MECH

See Note 4 for further information concerning search qualifiers.

CATALOG IDENTIFIER NUMBER:  
-----

For ALLNum and FAMNum Functions:

A catalog number contains either 10 characters (general stores, metal stores) or 14 characters (spare parts). See Note 1, below.

A catalog identifier number is the stem of a catalog number, from 2 to 8 digits which may represent:

GROUP (2 digits), such as 55, or  
CLASS (5 digits), such as 55200, or



Once you know the group, class, or family identifier numbers, you can then use FAMNum to display all family descriptions within a class or group. Use ITEMNum to display all items within a family or class. Or, you can use ALLNum to display both family descriptions and items within a family or class.

Note from the above that using more than two specific words in FAMDes may prove to be misleading because most family descriptions are general rather than specific. Using ALLDes or ITEMDes (rather than FAMDes) will yield more satisfactory results for very specific word searches, such as ALLDES PENCIL BLACK MECH THIN. It is important to be aware of the fact that description words and catalog identifier numbers cannot be mixed in any of the Stores functions.

In using search word(s) it is important to note that for most stock items, the descriptive word(s) are singular rather than plural. Searching on PENS or PENCILS will return a message that no descriptions were found. Searching on PEN or PENCIL would return many descriptions. Searching on COLORS, however, would return several descriptions, mostly those containing the word ASSORTED. See Note 2 for significant considerations in using the Stores Online Catalog.

Occasionally during FAMDes or FAMNum displays you may notice two identical family identifier numbers with similar or identical descriptions. This is due to spare parts family identifiers additionally containing a 5 character spare parts owner code, which is not displayed during FAMDes or FAMNum displays. Executing a ALLDes or ALLNum display for the same search term will show you both numbers. For the sake of displaying the maximum length of description possible in the FAMDes and FAMNum displays, the '00' suffix (which would otherwise be Item above if it were not a family description) as well as any spare parts code, has been dropped. In the ALLDes and ALLNum displays a non spare parts family description also has the '00' suffix dropped to further distinguish family descriptions from item descriptions, but spare parts family description identifier numbers are completely displayed.

To see both family and item descriptions for a particular spare parts code, use the SPCode function, such as STORES SPC A099.

Suggestions and comments concerning the content of the Stores catalog may be directed to the following individuals, in the order given: Lillie Copeland, X4253; Thomas Butler, X3759; Bob Ratko, X4107; Jerry Belk, X2484.

#### Note 4: SEARCH QUALIFIERS

Stores search qualifiers are relational operators identical to those used in the SPIRES database language for searching indexes. With the exception of STRING, PREFIX, and SUFFIX, most may be of little use for searching the Stores Catalog description field because of the way in which the descriptions are indexed. All descriptions are broken into words at every occurrence of (.,/:=- '). Also, no integer values appear in any description, only string or character values. Thus, equality, inequality, word, with, and having operators may be in many instances of little or no value. Because of the composition of the Stores

Function statement, no parentheses are allowed within Value. For more information concerning SPIRES index searching, see Sections B.3.2.3 and B.3.3.1 of the SPIRES Searching and Updating Manual.

EXAMPLES:

1. For many items, the default function ALLDes will suffice to find your goal. To find 1/2" magic mending tape, for instance,  
Enter: MAGIC MENDING TAPE  
This would show you that 2 sizes are available, including your goal.
2. However, due to the way family and item descriptions are frequently constructed, it may take several commands to find your goal. Suppose you were interested in finding out the availability of aluminum electrolytic capacitors with WVDC of 15 rated at 21000 MFD. One satisfactory approach would be to do the following:  
Enter: STORES CAPACITOR ALUMINUM ELECTROLYTIC  
This reveals that there are 7 families. To save the time it would take to look through all of those families and potentially pick up all sorts of non-interest items, one might instead try:  
Enter: WVDC 15 21000 MFD  
This yields one item which may or may not be a capacitor of aluminum construction within the electrolytic category, so, to check that possibility we  
Enter: ALLNum 59312909  
which verifies that the previously displayed item was, in fact, a capacitor aluminum electrolytic WVDC 15 2100 MFD.

# SLAC STORES Catalog and item listing

Find

Enter an item or partial description

Help

Help with STORES

---

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

---

Search the SLAC Stores Catalog.

Enter an item or portion of item description

pipes

paper

<END>

WHEREIS (SLAC CMS command)

Gives information about VM userids, workstations, printers, cables, ports, catalogued tapes, property control numbers, and HEP institutions.

| WHEREIS | USER        | vmid *                     | [[ ( VERbose   STACK [ ] ) ]] |
|---------|-------------|----------------------------|-------------------------------|
|         | PCnum       | property-control-num       |                               |
|         | NODE        | network-name               |                               |
|         | ETHER       | ethernet-address           |                               |
|         | TAP         | tap-number                 |                               |
|         | DEVICE      | dev-addr                   |                               |
|         | MICOM       | channel-number             |                               |
|         | PORT        | port-number                |                               |
|         | CABLE       | cable                      |                               |
|         | PRT         | printer-name               |                               |
|         | VOLser      | tape-volser                |                               |
|         | INStitution | hep-name                   |                               |
|         | FAILED      | (no parameters or options) |                               |

PARMS: (all but Failed are allowed via WWW)

|             |                                                       |
|-------------|-------------------------------------------------------|
| USER        | provides info for user logged on SLACVM               |
| PCnum       | provides purchase and nodename information (if known) |
| NODE        | provides database info based on nodename              |
| ETHER       | provides name of node with given address              |
| TAP         | provides segment and nodename information             |
| DEVICE      | provides info based on physical device address        |
| MICOM       | provides data on given Micom channel address          |
| PORT        | provides data on given port address                   |
| CABLE       | provides data on give cable number                    |
| PRT         | provides info on local or remote printer              |
| VOLser      | provides tape location and various other info         |
| INStitution | provides database info on given HEP site              |
| FAILED      | (no parameters or options)                            |



# SLAC WHEREIS Catalog and item listing

Find

Enter an item or partial description

Help

Help with WHEREIS

---

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

---

Whereis (Networking and Computing)

Enter an item or portion of item description

|             |                     |
|-------------|---------------------|
| USER        | vm_userid           |
| PCnum       | property_control_no |
| NODE        | nodename            |
| ETHer       | ethernet_address    |
| TAP         | tap_name            |
| DEViCe      | vm_device_address   |
| MICOM       | micom_channel       |
| PORT        | port_address        |
| CABLE       | cable_number        |
| PRT         | printer             |
| VOLser      | tape_volser         |
| INStitution | hep_sitename        |

<END>

|          |          |      |     |     |    |         |          |      |
|----------|----------|------|-----|-----|----|---------|----------|------|
| WINTERS  | FILELIST | X0 V | 107 | 130 | 4  | 2/13/97 | 20:32:17 | SPC4 |
| WINTERS  | JCW106   | X1 F | 132 | 432 | 14 | 2/13/97 | 20:29:22 | SPC4 |
| WWW      | 192      | X1 V | 71  | 85  | 2  | 2/13/97 | 19:59:39 | SPC4 |
| WWW      | HISTORY  | X6 V | 79  | 192 | 3  | 9/28/92 | 13:28:55 | SPC4 |
| FHGET    | EXEC     | X2 V | 79  | 332 | 3  | 9/28/92 | 13:28:41 | SPC4 |
| FHGET    | @EXEC    | X0 V | 79  | 333 | 3  | 9/28/92 | 10:24:21 | SPC4 |
| FHGET    | 1@EXEC   | X0 V | 79  | 332 | 3  | 9/28/92 | 10:21:07 | SPC4 |
| FHGET    | 2@EXEC   | X0 V | 79  | 330 | 3  | 9/28/92 | 10:14:27 | SPC4 |
| FGET     | EXEC     | X2 V | 65  | 63  | 1  | 9/24/92 | 8:57:08  | SPC4 |
| FGET     | @EXEC    | X0 V | 65  | 63  | 1  | 9/24/92 | 8:55:04  | SPC4 |
| FGET     | 1@EXEC   | X0 V | 65  | 57  | 1  | 9/23/92 | 12:08:47 | SPC4 |
| FSEARCH  | EXEC     | X1 V | 72  | 93  | 1  | 9/16/92 | 13:55:22 | SPC4 |
| 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 |
| HLMAIN   | @HTML    | X0 V | 78  | 69  | 1  | 8/20/92 | 15:16:02 | SPC4 |
| HLSTEER  | HTML     | X1 V | 64  | 29  | 1  | 8/20/92 | 13:23:58 | SPC4 |
| HLSTEER  | @HTML    | X0 V | 64  | 29  | 1  | 8/20/92 | 13:22:52 | SPC4 |
| SLAC     | HTML     | X1 V | 113 | 64  | 1  | 8/18/92 | 20:21:05 | SPC4 |
| SLAC     | @HTML    | X0 V | 113 | 62  | 1  | 8/18/92 | 12:15:18 | SPC4 |
| SLAC     | 1@HTML   | X0 V | 113 | 62  | 1  | 8/18/92 | 12:14:25 | SPC4 |
| FSEARCH  | @EXEC    | X0 V | 72  | 93  | 1  | 8/18/92 | 11:22:02 | SPC4 |
| WWW      | OWNERS   | X2 V | 27  | 52  | 1  | 8/18/92 | 11:05:56 | 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 |
| WIZARDS  | @HTML    | X0 V | 73  | 28  | 1  | 8/18/92 | 10:58:45 | SPC4 |
| XWHERE   | HTML     | X1 V | 67  | 35  | 1  | 8/18/92 | 10:58:45 | SPC4 |
| SLAC     | 2@HTML   | X0 V | 113 | 60  | 1  | 8/18/92 | 10:58:44 | 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      | HELP     | X1 V | 73  | 792 | 7  | 8/18/92 | 2:07:08  | 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 |
| SLDGET   | EXEC     | X1 V | 97  | 132 | 1  | 8/17/92 | 23:17:48 | SPC4 |
| FSEARCH  | 1@EXEC   | X0 V | 72  | 92  | 1  | 8/17/92 | 9:22:52  | SPC4 |
| FSEARCH  | 2@EXEC   | X0 V | 72  | 80  | 1  | 8/17/92 | 8:50:49  | SPC4 |
| SMGET    | EXEC     | X2 V | 81  | 150 | 2  | 8/03/92 | 18:27:13 | SPC4 |
| BIBLIO   | INDEX    | X1 V | 43  | 14  | 1  | 6/30/92 | 10:10:36 | SPC4 |
| GETWHERE | EXEC     | X1 V | 70  | 123 | 2  | 6/03/92 | 16:40:55 | SPC4 |
| BINLIST  | HTML     | X1 V | 46  | 10  | 1  | 5/28/92 | 16:29:07 | SPC4 |
| WISH     | LIST     | X1 F | 80  | 16  | 1  | 5/28/92 | 11:30:44 | SPC4 |
| WHEREIS  | HELP     | X1 V | 72  | 37  | 1  | 5/21/92 | 13:20:19 | SPC4 |
| HLMAIN   | 1@HTML   | X0 V | 78  | 51  | 1  | 5/17/92 | 19:22:33 | SPC4 |

|           |           |      |    |    |   |         |          |      |
|-----------|-----------|------|----|----|---|---------|----------|------|
| FHSUBJS   | @HTML     | X0 V | 69 | 71 | 1 | 5/17/92 | 19:21:35 | 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 |
| FHMAIN    | @HTML     | X0 V | 72 | 57 | 1 | 5/17/92 | 19:15:59 | SPC4 |
| FHSEARCH  | EXEC      | X1 V | 65 | 75 | 1 | 5/17/92 | 19:02:07 | SPC4 |
| WHEREIS   | INDEX     | X1 F | 80 | 20 | 1 | 5/13/92 | 11:43:56 | SPC4 |
| FHEDITOR  | @HTML     | X0 V | 71 | 72 | 1 | 5/11/92 | 11:43:10 | SPC4 |
| FHEDITOR  | 1@HTML    | X0 V | 71 | 72 | 1 | 5/11/92 | 11:43:10 | SPC4 |
| FHADDDING | @HTML     | X0 V | 71 | 34 | 1 | 5/11/92 | 11:40:38 | SPC4 |
| FHADDDING | HTML      | X1 V | 71 | 34 | 1 | 5/11/92 | 11:40:38 | SPC4 |
| HLMAIN    | 2@HTML    | X0 V | 78 | 55 | 1 | 5/11/92 | 11:09:02 | SPC4 |
| HLSTEER   | 1@HTML    | X0 V | 65 | 34 | 1 | 5/11/92 | 10:38:45 | SPC4 |
| HLSTEER   | 2@HTML    | X0 V | 65 | 34 | 1 | 5/11/92 | 10:38:45 | SPC4 |
| FHSPIRES  | @HTML     | X0 V | 70 | 38 | 1 | 5/11/92 | 0:23:08  | SPC4 |
| FHIMPL    | @HTML     | X0 V | 68 | 17 | 1 | 5/11/92 | 0:08:03  | SPC4 |
| FHIMPL    | 1@HTML    | X0 V | 68 | 17 | 1 | 5/11/92 | 0:08:03  | SPC4 |
| FHREF1    | @HTML     | X0 V | 67 | 8  | 1 | 5/11/92 | 0:07:58  | SPC4 |
| FHREF1    | HTML      | X1 V | 67 | 8  | 1 | 5/11/92 | 0:07:58  | SPC4 |
| FHNARROW  | @HTML     | X0 V | 70 | 29 | 1 | 5/11/92 | 0:07:53  | SPC4 |
| FHDBASE   | @HTML     | X0 V | 79 | 49 | 1 | 5/10/92 | 23:54:47 | SPC4 |
| FHDBASE   | HTML      | X1 V | 79 | 49 | 1 | 5/10/92 | 23:54:47 | SPC4 |
| FHBENEFT  | @HTML     | X0 V | 75 | 49 | 1 | 5/10/92 | 23:46:32 | SPC4 |
| FHBENEFT  | HTML      | X1 V | 75 | 49 | 1 | 5/10/92 | 23:46:32 | SPC4 |
| FHSCRI    | @HTML     | X0 V | 72 | 24 | 1 | 5/10/92 | 19:01:45 | SPC4 |
| FHSCRI    | HTML      | X1 V | 72 | 24 | 1 | 5/10/92 | 19:01:45 | SPC4 |
| FHMAIN    | 1@HTML    | X0 V | 72 | 58 | 1 | 5/10/92 | 18:02:34 | SPC4 |
| FHSEARCH  | @EXEC     | X0 V | 65 | 75 | 1 | 5/10/92 | 17:53:07 | SPC4 |
| FGET      | 2@EXEC    | X0 V | 65 | 38 | 1 | 5/10/92 | 11:37:18 | SPC4 |
| FHSUBJS   | 1@HTML    | X0 V | 69 | 75 | 1 | 5/07/92 | 16:39:28 | 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 |
| PARTICLE  | HELP      | X1 F | 80 | 3  | 1 | 5/02/92 | 15:35:05 | 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     | X0 V | 67 | 48 | 1 | 4/30/92 | 22:47:21 | SPC4 |
| FHFTP     | HTML      | X1 V | 67 | 48 | 1 | 4/30/92 | 22:47:21 | SPC4 |
| RUNDAEMO  | EXEC      | X1 V | 65 | 21 | 1 | 4/30/92 | 14:53:48 | SPC4 |
| RUNDAEMO  | @EXEC     | X0 V | 65 | 21 | 1 | 4/30/92 | 14:25:40 | SPC4 |
| RUNDAEMO  | 1@EXEC    | X0 V | 65 | 21 | 1 | 4/30/92 | 14:25:40 | SPC4 |
| WWW       | FILES     | X1 F | 80 | 8  | 1 | 4/30/92 | 14:21:19 | SPC4 |
| STORES    | @HTML     | X0 V | 81 | 10 | 1 | 4/30/92 | 14:18:03 | SPC4 |
| SPIRES    | @HTML     | X0 V | 78 | 9  | 1 | 4/30/92 | 14:17:45 | SPC4 |
| HEP       | @HTML     | X0 V | 78 | 9  | 1 | 4/30/92 | 14:17:23 | SPC4 |
| DEFAULT   | @HTML     | X0 V | 79 | 10 | 1 | 4/30/92 | 14:17:03 | SPC4 |
| BINLIST   | @HTML     | X0 V | 82 | 13 | 1 | 4/30/92 | 14:16:47 | SPC4 |
| DEFAULTX  | @HTML     | X0 V | 83 | 12 | 1 | 4/30/92 | 14:16:29 | SPC4 |
| WWW       | INST\$VAR | X2 V | 18 | 6  | 1 | 4/29/92 | 17:38:57 | SPC4 |
| WWW       | STAFF     | X1 F | 80 | 6  | 1 | 4/29/92 | 13:14:09 | SPC4 |
| DUMMY     | FILE      | X1 F | 80 | 1  | 1 | 4/10/92 | 15:17:09 | SPC4 |
| DEFAULT   | 1@HTML    | X0 V | 75 | 10 | 1 | 3/18/92 | 16:07:42 | SPC4 |
| DEFAULTX  | 1@HTML    | X0 V | 78 | 12 | 1 | 3/18/92 | 16:02:28 | SPC4 |
| SPIRES    | 1@HTML    | X0 V | 74 | 9  | 1 | 3/10/92 | 10:41:55 | SPC4 |
| STORES    | 1@HTML    | X0 V | 76 | 10 | 1 | 3/09/92 | 11:36:54 | SPC4 |
| HEP       | 1@HTML    | X0 V | 73 | 9  | 1 | 3/09/92 | 11:36:45 | SPC4 |
| BINLIST   | 1@HTML    | X0 V | 77 | 13 | 1 | 3/09/92 | 11:36:29 | SPC4 |
| BINLIST   | HELP      | X1 V | 53 | 4  | 1 | 3/06/92 | 15:47:52 | SPC4 |
| HEP       | @HELP     | X0 V | 71 | 27 | 1 | 3/06/92 | 15:47:24 | SPC4 |

|          |          |      |       |     |    |          |          |      |
|----------|----------|------|-------|-----|----|----------|----------|------|
| STORES   | HELP     | X1 F | 80    | 267 | 6  | 3/05/92  | 10:43:26 | 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 |
| HEP      | @INDEX   | X0 V | 43    | 12  | 1  | 2/27/92  | 13:26:11 | SPC4 |
| SPIRES   | INDEX    | X1 V | 43    | 12  | 1  | 12/12/91 | 15:59:13 | SPC4 |
| HTDAEMON | MODULE   | X1 V | 65535 | 5   | 32 | 12/05/91 | 16:03:14 | SPC4 |
| RUNDAEMO | 2@EXEC   | X0 V | 33    | 5   | 1  | 11/06/91 | 17:03:09 | SPC4 |
| RUN      | EXEC     | X1 V | 74    | 21  | 1  | 9/19/91  | 14:19:57 | SPC4 |
| WWW      | NEWSLIST | X2 V | 71    | 2   | 1  | 4/23/86  | 14:02:17 | SPC4 |
| WWW      | LASTNEWS | X2 V | 26    | 1   | 1  | 5/14/85  | 11:29:18 | SPC4 |

```

*****
*
* Start execution of JCW106 for WINTERS, class S.
* Execution begins at 20:09:33 on 13 Feb 1997 in BATCH04A at SLACVM.
* Submitted at      20:09:28 on 13 Feb 1997 for WINTERS at SLACVM.
* Running CURCMS, mode XA, storage = 4096K, time limit = 2 minutes.
* Max print = 10K lines, max punch = 100K cards.
*
*****

```

-----> Execute "R\$COV192"

```

** RECOVER WWW 192 to TDISK **
DASD 0555 DEFINED
TAPE 0F11 ATTACHED TO BATCH04A 0181
TAPE 0181 ON DEV 0F11 3490 R/W SUBCH = 000D
MNTREQ100I 20:09:35 Mounting volume RL1547 on device 181, SL NoRing
MNTVER101I 20:10:08 Volume RL1547 on device 181 has been verified
Rewind complete
RESTORING WWW192
DATA DUMPED 10/07/92 AT 05.06.26 GMT FROM WWW192 RESTORED TO SCRATCH
INPUT CYLINDER EXTENTS      OUTPUT CYLINDER EXTENTS
      START      STOP      START      STOP
      0000      0009      0000      0009
END OF RESTORE
END OF JOB
20:11:24 * MSG FROM VMSETUP: VMSCAN001I VMSETUP REQUEST FOR WINTERS JCW106 WILL BE
TAPE 0181 DETACHED BY VMSETUP
CARD DUMP APSNEWS HTML Z1
PUN FILE 2453 SENT TO WINTERS RDR AS 0746 RECS 0044 CPY 001 Y NOHOLD NOKEEP
CARD DUMP BIBLIO HTML Z1
PUN FILE 2454 SENT TO WINTERS RDR AS 0747 RECS 0005 CPY 001 Y NOHOLD NOKEEP
CARD DUMP BIBLIO INDEX Z1
PUN FILE 2455 SENT TO WINTERS RDR AS 0748 RECS 0006 CPY 001 Y NOHOLD NOKEEP
CARD DUMP BINLIST @HTML Z0
PUN FILE 2456 SENT TO WINTERS RDR AS 0749 RECS 0007 CPY 001 Y NOHOLD NOKEEP
CARD DUMP BINLIST HELP Z1
PUN FILE 2457 SENT TO WINTERS RDR AS 0750 RECS 0004 CPY 001 Y NOHOLD NOKEEP
CARD DUMP BINLIST HTML Z1
PUN FILE 2458 SENT TO WINTERS RDR AS 0751 RECS 0006 CPY 001 Y NOHOLD NOKEEP
CARD DUMP BINLIST INDEX Z1
PUN FILE 2459 SENT TO WINTERS RDR AS 0752 RECS 0004 CPY 001 Y NOHOLD NOKEEP
CARD DUMP BINLIST 1@HTML Z0
PUN FILE 2460 SENT TO WINTERS RDR AS 0753 RECS 0006 CPY 001 Y NOHOLD NOKEEP
CARD DUMP BOOKS HTML Z1
PUN FILE 2461 SENT TO WINTERS RDR AS 0754 RECS 0006 CPY 001 Y NOHOLD NOKEEP
CARD DUMP BOOKS INDEX Z1
PUN FILE 2462 SENT TO WINTERS RDR AS 0755 RECS 0005 CPY 001 Y NOHOLD NOKEEP
CARD DUMP CONF HTML Z1
PUN FILE 2463 SENT TO WINTERS RDR AS 0756 RECS 0007 CPY 001 Y NOHOLD NOKEEP
CARD DUMP CONF INDEX Z1
PUN FILE 2464 SENT TO WINTERS RDR AS 0757 RECS 0006 CPY 001 Y NOHOLD NOKEEP
CARD DUMP DEFAULT @HTML Z0
PUN FILE 2465 SENT TO WINTERS RDR AS 0758 RECS 0007 CPY 001 Y NOHOLD NOKEEP
CARD DUMP DEFAULT HTML Z1
PUN FILE 2466 SENT TO WINTERS RDR AS 0759 RECS 0015 CPY 001 Y NOHOLD NOKEEP
CARD DUMP DEFAULT 1@HTML Z0
PUN FILE 2467 SENT TO WINTERS RDR AS 0760 RECS 0007 CPY 001 Y NOHOLD NOKEEP
CARD DUMP DEFAULTX @HTML Z0
PUN FILE 2468 SENT TO WINTERS RDR AS 0761 RECS 0008 CPY 001 Y NOHOLD NOKEEP

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|                              |         |        |           |          |       |               |
|------------------------------|---------|--------|-----------|----------|-------|---------------|
| CARD DUMP DEFAULTX HTML Z1   |         |        |           |          |       |               |
| PUN FILE 2469 SENT TO        | WINTERS | RDR AS | 0762 RECS | 0017 CPY | 001 Y | NOHOLD NOKEEP |
| CARD DUMP DEFAULTX 1@HTML Z0 |         |        |           |          |       |               |
| PUN FILE 2470 SENT TO        | WINTERS | RDR AS | 0763 RECS | 0008 CPY | 001 Y | NOHOLD NOKEEP |
| CARD DUMP DUMMY FILE Z1      |         |        |           |          |       |               |
| PUN FILE 2471 SENT TO        | WINTERS | RDR AS | 0764 RECS | 0002 CPY | 001 Y | NOHOLD NOKEEP |
| CARD DUMP EXPERI HTML Z1     |         |        |           |          |       |               |
| PUN FILE 2472 SENT TO        | WINTERS | RDR AS | 0765 RECS | 0006 CPY | 001 Y | NOHOLD NOKEEP |
| CARD DUMP EXPERI INDEX Z1    |         |        |           |          |       |               |
| PUN FILE 2473 SENT TO        | WINTERS | RDR AS | 0766 RECS | 0007 CPY | 001 Y | NOHOLD NOKEEP |
| CARD DUMP EXPERIME INDEX Z1  |         |        |           |          |       |               |
| PUN FILE 2474 SENT TO        | WINTERS | RDR AS | 0767 RECS | 0007 CPY | 001 Y | NOHOLD NOKEEP |
| CARD DUMP FGET @EXEC Z0      |         |        |           |          |       |               |
| PUN FILE 2475 SENT TO        | WINTERS | RDR AS | 0768 RECS | 0022 CPY | 001 Y | NOHOLD NOKEEP |
| CARD DUMP FGET EXEC Z2       |         |        |           |          |       |               |
| PUN FILE 2476 SENT TO        | WINTERS | RDR AS | 0769 RECS | 0022 CPY | 001 Y | NOHOLD NOKEEP |
| CARD DUMP FGET 1@EXEC Z0     |         |        |           |          |       |               |
| PUN FILE 2477 SENT TO        | WINTERS | RDR AS | 0770 RECS | 0021 CPY | 001 Y | NOHOLD NOKEEP |
| CARD DUMP FGET 2@EXEC Z0     |         |        |           |          |       |               |
| PUN FILE 2478 SENT TO        | WINTERS | RDR AS | 0771 RECS | 0015 CPY | 001 Y | NOHOLD NOKEEP |
| CARD DUMP FHADDING @HTML Z0  |         |        |           |          |       |               |
| PUN FILE 2479 SENT TO        | WINTERS | RDR AS | 0772 RECS | 0019 CPY | 001 Y | NOHOLD NOKEEP |
| CARD DUMP FHADDING HTML Z1   |         |        |           |          |       |               |
| PUN FILE 2480 SENT TO        | WINTERS | RDR AS | 0773 RECS | 0019 CPY | 001 Y | NOHOLD NOKEEP |
| CARD DUMP FHBENEFI @HTML Z0  |         |        |           |          |       |               |
| PUN FILE 2481 SENT TO        | WINTERS | RDR AS | 0774 RECS | 0029 CPY | 001 Y | NOHOLD NOKEEP |
| CARD DUMP FHBENEFI HTML Z1   |         |        |           |          |       |               |
| PUN FILE 2482 SENT TO        | WINTERS | RDR AS | 0775 RECS | 0029 CPY | 001 Y | NOHOLD NOKEEP |
| CARD DUMP FHDBASE @HTML Z0   |         |        |           |          |       |               |
| PUN FILE 2483 SENT TO        | WINTERS | RDR AS | 0776 RECS | 0028 CPY | 001 Y | NOHOLD NOKEEP |
| CARD DUMP FHDBASE HTML Z1    |         |        |           |          |       |               |
| PUN FILE 2484 SENT TO        | WINTERS | RDR AS | 0777 RECS | 0028 CPY | 001 Y | NOHOLD NOKEEP |
| CARD DUMP FHEDITOR @HTML Z0  |         |        |           |          |       |               |
| PUN FILE 2485 SENT TO        | WINTERS | RDR AS | 0778 RECS | 0022 CPY | 001 Y | NOHOLD NOKEEP |
| CARD DUMP FHEDITOR HTML Z1   |         |        |           |          |       |               |
| PUN FILE 2486 SENT TO        | WINTERS | RDR AS | 0779 RECS | 0031 CPY | 001 Y | NOHOLD NOKEEP |
| CARD DUMP FHEDITOR 1@HTML Z0 |         |        |           |          |       |               |
| PUN FILE 2487 SENT TO        | WINTERS | RDR AS | 0780 RECS | 0022 CPY | 001 Y | NOHOLD NOKEEP |
| CARD DUMP FHEMAIL HTML Z1    |         |        |           |          |       |               |
| PUN FILE 2488 SENT TO        | WINTERS | RDR AS | 0781 RECS | 0011 CPY | 001 Y | NOHOLD NOKEEP |
| CARD DUMP FHFTP @HTML Z0     |         |        |           |          |       |               |
| PUN FILE 2489 SENT TO        | WINTERS | RDR AS | 0782 RECS | 0018 CPY | 001 Y | NOHOLD NOKEEP |
| CARD DUMP FHFTP HTML Z1      |         |        |           |          |       |               |
| PUN FILE 2490 SENT TO        | WINTERS | RDR AS | 0783 RECS | 0018 CPY | 001 Y | NOHOLD NOKEEP |
| CARD DUMP FHGET @EXEC Z0     |         |        |           |          |       |               |
| PUN FILE 2491 SENT TO        | WINTERS | RDR AS | 0784 RECS | 0101 CPY | 001 Y | NOHOLD NOKEEP |
| CARD DUMP FHGET EXEC Z2      |         |        |           |          |       |               |
| PUN FILE 2492 SENT TO        | WINTERS | RDR AS | 0785 RECS | 0100 CPY | 001 Y | NOHOLD NOKEEP |
| CARD DUMP FHGET 1@EXEC Z0    |         |        |           |          |       |               |
| PUN FILE 2493 SENT TO        | WINTERS | RDR AS | 0786 RECS | 0101 CPY | 001 Y | NOHOLD NOKEEP |
| CARD DUMP FHGET 2@EXEC Z0    |         |        |           |          |       |               |
| PUN FILE 2494 SENT TO        | WINTERS | RDR AS | 0787 RECS | 0100 CPY | 001 Y | NOHOLD NOKEEP |
| CARD DUMP FHIMPL @HTML Z0    |         |        |           |          |       |               |
| PUN FILE 2495 SENT TO        | WINTERS | RDR AS | 0788 RECS | 0010 CPY | 001 Y | NOHOLD NOKEEP |
| CARD DUMP FHIMPL HTML Z1     |         |        |           |          |       |               |
| PUN FILE 2496 SENT TO        | WINTERS | RDR AS | 0789 RECS | 0011 CPY | 001 Y | NOHOLD NOKEEP |
| CARD DUMP FHIMPL 1@HTML Z0   |         |        |           |          |       |               |
| PUN FILE 2497 SENT TO        | WINTERS | RDR AS | 0790 RECS | 0010 CPY | 001 Y | NOHOLD NOKEEP |
| CARD DUMP FHIMPROV HTML Z1   |         |        |           |          |       |               |
| PUN FILE 2498 SENT TO        | WINTERS | RDR AS | 0791 RECS | 0010 CPY | 001 Y | NOHOLD NOKEEP |

|                             |         |        |           |          |       |               |
|-----------------------------|---------|--------|-----------|----------|-------|---------------|
| CARD DUMP FHMAIN @HTML Z0   |         |        |           |          |       |               |
| PUN FILE 2499 SENT TO       | WINTERS | RDR AS | 0792 RECS | 0031 CPY | 001 Y | NOHOLD NOKEEP |
| CARD DUMP FHMAIN HTML Z1    |         |        |           |          |       |               |
| PUN FILE 2500 SENT TO       | WINTERS | RDR AS | 0793 RECS | 0036 CPY | 001 Y | NOHOLD NOKEEP |
| CARD DUMP FHMAIN 1@HTML Z0  |         |        |           |          |       |               |
| PUN FILE 2501 SENT TO       | WINTERS | RDR AS | 0794 RECS | 0031 CPY | 001 Y | NOHOLD NOKEEP |
| CARD DUMP FHNARROW @HTML Z0 |         |        |           |          |       |               |
| PUN FILE 2502 SENT TO       | WINTERS | RDR AS | 0795 RECS | 0012 CPY | 001 Y | NOHOLD NOKEEP |
| CARD DUMP FHNARROW HTML Z1  |         |        |           |          |       |               |
| PUN FILE 2503 SENT TO       | WINTERS | RDR AS | 0796 RECS | 0012 CPY | 001 Y | NOHOLD NOKEEP |
| CARD DUMP FHREF1 @HTML Z0   |         |        |           |          |       |               |
| PUN FILE 2504 SENT TO       | WINTERS | RDR AS | 0797 RECS | 0006 CPY | 001 Y | NOHOLD NOKEEP |
| CARD DUMP FHREF1 HTML Z1    |         |        |           |          |       |               |
| PUN FILE 2505 SENT TO       | WINTERS | RDR AS | 0798 RECS | 0006 CPY | 001 Y | NOHOLD NOKEEP |
| CARD DUMP FHSCRI @HTML Z0   |         |        |           |          |       |               |
| PUN FILE 2506 SENT TO       | WINTERS | RDR AS | 0799 RECS | 0016 CPY | 001 Y | NOHOLD NOKEEP |
| CARD DUMP FHSCRI HTML Z1    |         |        |           |          |       |               |
| PUN FILE 2507 SENT TO       | WINTERS | RDR AS | 0800 RECS | 0016 CPY | 001 Y | NOHOLD NOKEEP |
| CARD DUMP FHSEARCH @EXEC Z0 |         |        |           |          |       |               |
| PUN FILE 2508 SENT TO       | WINTERS | RDR AS | 0801 RECS | 0021 CPY | 001 Y | NOHOLD NOKEEP |
| CARD DUMP FHSEARCH EXEC Z1  |         |        |           |          |       |               |
| PUN FILE 2509 SENT TO       | WINTERS | RDR AS | 0802 RECS | 0021 CPY | 001 Y | NOHOLD NOKEEP |
| CARD DUMP FHSPIRES @HTML Z0 |         |        |           |          |       |               |
| PUN FILE 2510 SENT TO       | WINTERS | RDR AS | 0803 RECS | 0016 CPY | 001 Y | NOHOLD NOKEEP |
| CARD DUMP FHSPIRES HTML Z1  |         |        |           |          |       |               |
| PUN FILE 2511 SENT TO       | WINTERS | RDR AS | 0804 RECS | 0016 CPY | 001 Y | NOHOLD NOKEEP |
| CARD DUMP FHSUBJS @HTML Z0  |         |        |           |          |       |               |
| PUN FILE 2512 SENT TO       | WINTERS | RDR AS | 0805 RECS | 0029 CPY | 001 Y | NOHOLD NOKEEP |
| CARD DUMP FHSUBJS HTML Z1   |         |        |           |          |       |               |
| PUN FILE 2513 SENT TO       | WINTERS | RDR AS | 0806 RECS | 0029 CPY | 001 Y | NOHOLD NOKEEP |
| CARD DUMP FHSUBJS 1@HTML Z0 |         |        |           |          |       |               |
| PUN FILE 2514 SENT TO       | WINTERS | RDR AS | 0807 RECS | 0029 CPY | 001 Y | NOHOLD NOKEEP |
| CARD DUMP FHTUTOR HTML Z1   |         |        |           |          |       |               |
| PUN FILE 2515 SENT TO       | WINTERS | RDR AS | 0808 RECS | 0013 CPY | 001 Y | NOHOLD NOKEEP |
| CARD DUMP FSEARCH @EXEC Z0  |         |        |           |          |       |               |
| PUN FILE 2516 SENT TO       | WINTERS | RDR AS | 0809 RECS | 0034 CPY | 001 Y | NOHOLD NOKEEP |
| CARD DUMP FSEARCH EXEC Z1   |         |        |           |          |       |               |
| PUN FILE 2517 SENT TO       | WINTERS | RDR AS | 0810 RECS | 0034 CPY | 001 Y | NOHOLD NOKEEP |
| CARD DUMP FSEARCH 1@EXEC Z0 |         |        |           |          |       |               |
| PUN FILE 2518 SENT TO       | WINTERS | RDR AS | 0811 RECS | 0033 CPY | 001 Y | NOHOLD NOKEEP |
| CARD DUMP FSEARCH 2@EXEC Z0 |         |        |           |          |       |               |
| PUN FILE 2519 SENT TO       | WINTERS | RDR AS | 0812 RECS | 0029 CPY | 001 Y | NOHOLD NOKEEP |
| CARD DUMP GETWHERE EXEC Z1  |         |        |           |          |       |               |
| PUN FILE 2520 SENT TO       | WINTERS | RDR AS | 0813 RECS | 0043 CPY | 001 Y | NOHOLD NOKEEP |
| CARD DUMP HEP @HELP Z0      |         |        |           |          |       |               |
| PUN FILE 2521 SENT TO       | WINTERS | RDR AS | 0814 RECS | 0015 CPY | 001 Y | NOHOLD NOKEEP |
| CARD DUMP HEP @HTML Z0      |         |        |           |          |       |               |
| PUN FILE 2522 SENT TO       | WINTERS | RDR AS | 0815 RECS | 0006 CPY | 001 Y | NOHOLD NOKEEP |
| CARD DUMP HEP @INDEX Z0     |         |        |           |          |       |               |
| PUN FILE 2523 SENT TO       | WINTERS | RDR AS | 0816 RECS | 0005 CPY | 001 Y | NOHOLD NOKEEP |
| CARD DUMP HEP HELP Z1       |         |        |           |          |       |               |
| PUN FILE 2524 SENT TO       | WINTERS | RDR AS | 0817 RECS | 0326 CPY | 001 Y | NOHOLD NOKEEP |
| CARD DUMP HEP HTML Z1       |         |        |           |          |       |               |
| PUN FILE 2525 SENT TO       | WINTERS | RDR AS | 0818 RECS | 0006 CPY | 001 Y | NOHOLD NOKEEP |
| CARD DUMP HEP INDEX Z1      |         |        |           |          |       |               |
| PUN FILE 2526 SENT TO       | WINTERS | RDR AS | 0819 RECS | 0010 CPY | 001 Y | NOHOLD NOKEEP |
| CARD DUMP HEP 1@HTML Z0     |         |        |           |          |       |               |
| PUN FILE 2527 SENT TO       | WINTERS | RDR AS | 0820 RECS | 0006 CPY | 001 Y | NOHOLD NOKEEP |
| CARD DUMP HEPNAMES HTML Z1  |         |        |           |          |       |               |
| PUN FILE 2528 SENT TO       | WINTERS | RDR AS | 0821 RECS | 0007 CPY | 001 Y | NOHOLD NOKEEP |



|                              |         |        |           |          |       |               |
|------------------------------|---------|--------|-----------|----------|-------|---------------|
| CARD DUMP HEPNAMES INDEX Z1  |         |        |           |          |       |               |
| PUN FILE 2529 SENT TO        | WINTERS | RDR AS | 0822 RECS | 0005 CPY | 001 Y | NOHOLD NOKEEP |
| CARD DUMP HLMAIN @HTML Z0    |         |        |           |          |       |               |
| PUN FILE 2530 SENT TO        | WINTERS | RDR AS | 0823 RECS | 0033 CPY | 001 Y | NOHOLD NOKEEP |
| CARD DUMP HLMAIN HTML Z1     |         |        |           |          |       |               |
| PUN FILE 2531 SENT TO        | WINTERS | RDR AS | 0824 RECS | 0033 CPY | 001 Y | NOHOLD NOKEEP |
| CARD DUMP HLMAIN 1@HTML Z0   |         |        |           |          |       |               |
| PUN FILE 2532 SENT TO        | WINTERS | RDR AS | 0825 RECS | 0026 CPY | 001 Y | NOHOLD NOKEEP |
| CARD DUMP HLMAIN 2@HTML Z0   |         |        |           |          |       |               |
| PUN FILE 2533 SENT TO        | WINTERS | RDR AS | 0826 RECS | 0027 CPY | 001 Y | NOHOLD NOKEEP |
| CARD DUMP HLSTEER @HTML Z0   |         |        |           |          |       |               |
| PUN FILE 2534 SENT TO        | WINTERS | RDR AS | 0827 RECS | 0014 CPY | 001 Y | NOHOLD NOKEEP |
| CARD DUMP HLSTEER HTML Z1    |         |        |           |          |       |               |
| PUN FILE 2535 SENT TO        | WINTERS | RDR AS | 0828 RECS | 0014 CPY | 001 Y | NOHOLD NOKEEP |
| CARD DUMP HLSTEER 1@HTML Z0  |         |        |           |          |       |               |
| PUN FILE 2536 SENT TO        | WINTERS | RDR AS | 0829 RECS | 0010 CPY | 001 Y | NOHOLD NOKEEP |
| CARD DUMP HLSTEER 2@HTML Z0  |         |        |           |          |       |               |
| PUN FILE 2537 SENT TO        | WINTERS | RDR AS | 0830 RECS | 0010 CPY | 001 Y | NOHOLD NOKEEP |
| CARD DUMP HTDAEMON MODULE Z1 |         |        |           |          |       |               |
| PUN FILE 2538 SENT TO        | WINTERS | RDR AS | 0831 RECS | 1535 CPY | 001 Y | NOHOLD NOKEEP |
| CARD DUMP INSTITUT HTML Z1   |         |        |           |          |       |               |
| PUN FILE 2539 SENT TO        | WINTERS | RDR AS | 0832 RECS | 0007 CPY | 001 Y | NOHOLD NOKEEP |
| CARD DUMP INSTITUT INDEX Z1  |         |        |           |          |       |               |
| PUN FILE 2540 SENT TO        | WINTERS | RDR AS | 0833 RECS | 0005 CPY | 001 Y | NOHOLD NOKEEP |
| CARD DUMP PARTICLE HELP Z1   |         |        |           |          |       |               |
| PUN FILE 2541 SENT TO        | WINTERS | RDR AS | 0834 RECS | 0004 CPY | 001 Y | NOHOLD NOKEEP |
| CARD DUMP PARTICLE HTML Z1   |         |        |           |          |       |               |
| PUN FILE 2542 SENT TO        | WINTERS | RDR AS | 0835 RECS | 0006 CPY | 001 Y | NOHOLD NOKEEP |
| CARD DUMP PARTICLE INDEX Z1  |         |        |           |          |       |               |
| PUN FILE 2543 SENT TO        | WINTERS | RDR AS | 0836 RECS | 0010 CPY | 001 Y | NOHOLD NOKEEP |
| CARD DUMP RUN EXEC Z1        |         |        |           |          |       |               |
| PUN FILE 2544 SENT TO        | WINTERS | RDR AS | 0837 RECS | 0010 CPY | 001 Y | NOHOLD NOKEEP |
| CARD DUMP RUNDAEMO @EXEC Z0  |         |        |           |          |       |               |
| PUN FILE 2545 SENT TO        | WINTERS | RDR AS | 0838 RECS | 0009 CPY | 001 Y | NOHOLD NOKEEP |
| CARD DUMP RUNDAEMO EXEC Z1   |         |        |           |          |       |               |
| PUN FILE 2546 SENT TO        | WINTERS | RDR AS | 0839 RECS | 0009 CPY | 001 Y | NOHOLD NOKEEP |
| CARD DUMP RUNDAEMO 1@EXEC Z0 |         |        |           |          |       |               |
| PUN FILE 2547 SENT TO        | WINTERS | RDR AS | 0840 RECS | 0009 CPY | 001 Y | NOHOLD NOKEEP |
| CARD DUMP RUNDAEMO 2@EXEC Z0 |         |        |           |          |       |               |
| PUN FILE 2548 SENT TO        | WINTERS | RDR AS | 0841 RECS | 0004 CPY | 001 Y | NOHOLD NOKEEP |
| CARD DUMP SLAC @HTML Z0      |         |        |           |          |       |               |
| PUN FILE 2549 SENT TO        | WINTERS | RDR AS | 0842 RECS | 0034 CPY | 001 Y | NOHOLD NOKEEP |
| CARD DUMP SLAC HTML Z1       |         |        |           |          |       |               |
| PUN FILE 2550 SENT TO        | WINTERS | RDR AS | 0843 RECS | 0035 CPY | 001 Y | NOHOLD NOKEEP |
| CARD DUMP SLAC 1@HTML Z0     |         |        |           |          |       |               |
| PUN FILE 2551 SENT TO        | WINTERS | RDR AS | 0844 RECS | 0034 CPY | 001 Y | NOHOLD NOKEEP |
| CARD DUMP SLAC 2@HTML Z0     |         |        |           |          |       |               |
| PUN FILE 2552 SENT TO        | WINTERS | RDR AS | 0845 RECS | 0033 CPY | 001 Y | NOHOLD NOKEEP |
| CARD DUMP SLACSPEA HTML Z1   |         |        |           |          |       |               |
| PUN FILE 2553 SENT TO        | WINTERS | RDR AS | 0846 RECS | 0006 CPY | 001 Y | NOHOLD NOKEEP |
| CARD DUMP SLACSPEA INDEX Z1  |         |        |           |          |       |               |
| PUN FILE 2554 SENT TO        | WINTERS | RDR AS | 0847 RECS | 0007 CPY | 001 Y | NOHOLD NOKEEP |
| CARD DUMP SLDGET EXEC Z1     |         |        |           |          |       |               |
| PUN FILE 2555 SENT TO        | WINTERS | RDR AS | 0848 RECS | 0041 CPY | 001 Y | NOHOLD NOKEEP |
| CARD DUMP SMGET EXEC Z2      |         |        |           |          |       |               |
| PUN FILE 2556 SENT TO        | WINTERS | RDR AS | 0849 RECS | 0051 CPY | 001 Y | NOHOLD NOKEEP |
| CARD DUMP SPIRES @HTML Z0    |         |        |           |          |       |               |
| PUN FILE 2557 SENT TO        | WINTERS | RDR AS | 0850 RECS | 0006 CPY | 001 Y | NOHOLD NOKEEP |
| CARD DUMP SPIRES HTML Z1     |         |        |           |          |       |               |
| PUN FILE 2558 SENT TO        | WINTERS | RDR AS | 0851 RECS | 0006 CPY | 001 Y | NOHOLD NOKEEP |

|                            |          |        |           |          |       |        |         |          |        |
|----------------------------|----------|--------|-----------|----------|-------|--------|---------|----------|--------|
| CARD DUMP SPIRES INDEX Z1  |          |        |           |          |       |        |         |          |        |
| PUN FILE 2559 SENT TO      | WINTERS  | RDR AS | 0852 RECS | 0005 CPY | 001 Y | NOHOLD | NOKEEP  |          |        |
| CARD DUMP SPIRES 1@HTML Z0 |          |        |           |          |       |        |         |          |        |
| PUN FILE 2560 SENT TO      | WINTERS  | RDR AS | 0853 RECS | 0006 CPY | 001 Y | NOHOLD | NOKEEP  |          |        |
| CARD DUMP STORES @HTML Z0  |          |        |           |          |       |        |         |          |        |
| PUN FILE 2561 SENT TO      | WINTERS  | RDR AS | 0854 RECS | 0006 CPY | 001 Y | NOHOLD | NOKEEP  |          |        |
| CARD DUMP STORES HELP Z1   |          |        |           |          |       |        |         |          |        |
| PUN FILE 2562 SENT TO      | WINTERS  | RDR AS | 0855 RECS | 0143 CPY | 001 Y | NOHOLD | NOKEEP  |          |        |
| CARD DUMP STORES HTML Z1   |          |        |           |          |       |        |         |          |        |
| PUN FILE 2563 SENT TO      | WINTERS  | RDR AS | 0856 RECS | 0006 CPY | 001 Y | NOHOLD | NOKEEP  |          |        |
| CARD DUMP STORES INDEX Z1  |          |        |           |          |       |        |         |          |        |
| PUN FILE 2564 SENT TO      | WINTERS  | RDR AS | 0857 RECS | 0004 CPY | 001 Y | NOHOLD | NOKEEP  |          |        |
| CARD DUMP STORES 1@HTML Z0 |          |        |           |          |       |        |         |          |        |
| PUN FILE 2565 SENT TO      | WINTERS  | RDR AS | 0858 RECS | 0006 CPY | 001 Y | NOHOLD | NOKEEP  |          |        |
| CARD DUMP WHEREIS HELP Z1  |          |        |           |          |       |        |         |          |        |
| PUN FILE 2566 SENT TO      | WINTERS  | RDR AS | 0859 RECS | 0020 CPY | 001 Y | NOHOLD | NOKEEP  |          |        |
| CARD DUMP WHEREIS HTML Z1  |          |        |           |          |       |        |         |          |        |
| PUN FILE 2567 SENT TO      | WINTERS  | RDR AS | 0860 RECS | 0006 CPY | 001 Y | NOHOLD | NOKEEP  |          |        |
| CARD DUMP WHEREIS INDEX Z1 |          |        |           |          |       |        |         |          |        |
| PUN FILE 2568 SENT TO      | WINTERS  | RDR AS | 0861 RECS | 0007 CPY | 001 Y | NOHOLD | NOKEEP  |          |        |
| CARD DUMP WISH LIST Z1     |          |        |           |          |       |        |         |          |        |
| PUN FILE 2569 SENT TO      | WINTERS  | RDR AS | 0862 RECS | 0012 CPY | 001 Y | NOHOLD | NOKEEP  |          |        |
| CARD DUMP WIZARDS @HTML Z0 |          |        |           |          |       |        |         |          |        |
| PUN FILE 2570 SENT TO      | WINTERS  | RDR AS | 0863 RECS | 0012 CPY | 001 Y | NOHOLD | NOKEEP  |          |        |
| CARD DUMP WIZARDS HTML Z1  |          |        |           |          |       |        |         |          |        |
| PUN FILE 2571 SENT TO      | WINTERS  | RDR AS | 0864 RECS | 0013 CPY | 001 Y | NOHOLD | NOKEEP  |          |        |
| CARD DUMP WWW FILES Z1     |          |        |           |          |       |        |         |          |        |
| PUN FILE 2572 SENT TO      | WINTERS  | RDR AS | 0865 RECS | 0005 CPY | 001 Y | NOHOLD | NOKEEP  |          |        |
| CARD DUMP WWW HISTORY Z6   |          |        |           |          |       |        |         |          |        |
| PUN FILE 2573 SENT TO      | WINTERS  | RDR AS | 0866 RECS | 0087 CPY | 001 Y | NOHOLD | NOKEEP  |          |        |
| CARD DUMP WWW INST\$VAR Z2 |          |        |           |          |       |        |         |          |        |
| PUN FILE 2574 SENT TO      | WINTERS  | RDR AS | 0867 RECS | 0004 CPY | 001 Y | NOHOLD | NOKEEP  |          |        |
| CARD DUMP WWW LASTNEWS Z2  |          |        |           |          |       |        |         |          |        |
| PUN FILE 2575 SENT TO      | WINTERS  | RDR AS | 0868 RECS | 0003 CPY | 001 Y | NOHOLD | NOKEEP  |          |        |
| CARD DUMP WWW NEWSLIST Z2  |          |        |           |          |       |        |         |          |        |
| PUN FILE 2576 SENT TO      | WINTERS  | RDR AS | 0869 RECS | 0003 CPY | 001 Y | NOHOLD | NOKEEP  |          |        |
| CARD DUMP WWW OWNERS Z2    |          |        |           |          |       |        |         |          |        |
| PUN FILE 2577 SENT TO      | WINTERS  | RDR AS | 0870 RECS | 0016 CPY | 001 Y | NOHOLD | NOKEEP  |          |        |
| CARD DUMP WWW STAFF Z1     |          |        |           |          |       |        |         |          |        |
| PUN FILE 2578 SENT TO      | WINTERS  | RDR AS | 0871 RECS | 0003 CPY | 001 Y | NOHOLD | NOKEEP  |          |        |
| CARD DUMP XWHERE HTML Z1   |          |        |           |          |       |        |         |          |        |
| PUN FILE 2579 SENT TO      | WINTERS  | RDR AS | 0872 RECS | 0020 CPY | 001 Y | NOHOLD | NOKEEP  |          |        |
| FILENAME                   | FILETYPE | FM     | FORMAT    | LRECL    | RECS  | BLOCKS | DATE    | TIME     | LABEL  |
| APSNEWS                    | HTML     | Z1     | V         | 73       | 60    | 1      | 8/18/92 | 10:58:43 | WWW192 |
| BIBLIO                     | HTML     | Z1     | V         | 47       | 9     | 1      | 8/18/92 | 10:58:43 | WWW192 |
| BIBLIO                     | INDEX    | Z1     | V         | 43       | 14    | 1      | 6/30/92 | 10:10:36 | WWW192 |
| BINLIST                    | @HTML    | Z0     | V         | 82       | 13    | 1      | 4/30/92 | 14:16:47 | WWW192 |
| BINLIST                    | HELP     | Z1     | V         | 53       | 4     | 1      | 3/06/92 | 15:47:52 | WWW192 |
| BINLIST                    | HTML     | Z1     | V         | 46       | 10    | 1      | 5/28/92 | 16:29:07 | WWW192 |
| BINLIST                    | INDEX    | Z1     | F         | 80       | 10    | 1      | 2/27/92 | 14:54:47 | WWW192 |
| BINLIST                    | 1@HTML   | Z0     | V         | 77       | 13    | 1      | 3/09/92 | 11:36:29 | WWW192 |
| BOOKS                      | HTML     | Z1     | V         | 75       | 9     | 1      | 8/18/92 | 11:01:47 | WWW192 |
| BOOKS                      | INDEX    | Z1     | V         | 43       | 12    | 1      | 5/01/92 | 13:48:31 | WWW192 |
| CONF                       | HTML     | Z1     | V         | 71       | 9     | 1      | 8/18/92 | 11:01:55 | WWW192 |
| CONF                       | INDEX    | Z1     | V         | 45       | 12    | 1      | 5/02/92 | 17:07:27 | WWW192 |
| DEFAULT                    | @HTML    | Z0     | V         | 79       | 10    | 1      | 4/30/92 | 14:17:03 | WWW192 |
| DEFAULT                    | HTML     | Z1     | V         | 75       | 22    | 1      | 8/18/92 | 11:02:44 | WWW192 |
| DEFAULT                    | 1@HTML   | Z0     | V         | 75       | 10    | 1      | 3/18/92 | 16:07:42 | WWW192 |
| DEFAULTX                   | @HTML    | Z0     | V         | 83       | 12    | 1      | 4/30/92 | 14:16:29 | WWW192 |
| DEFAULTX                   | HTML     | Z1     | V         | 59       | 30    | 1      | 8/18/92 | 11:00:26 | WWW192 |

|          |        |      |    |     |   |         |          |        |
|----------|--------|------|----|-----|---|---------|----------|--------|
| DEFAULTX | 1@HTML | Z0 V | 78 | 12  | 1 | 3/18/92 | 16:02:28 | WWW192 |
| DUMMY    | FILE   | Z1 F | 80 | 1   | 1 | 4/10/92 | 15:17:09 | WWW192 |
| EXPERI   | HTML   | Z1 V | 73 | 10  | 1 | 8/18/92 | 11:00:41 | WWW192 |
| EXPERI   | INDEX  | Z1 V | 44 | 20  | 1 | 5/01/92 | 13:08:54 | WWW192 |
| EXPERIME | INDEX  | Z1 V | 44 | 19  | 1 | 5/02/92 | 18:40:02 | WWW192 |
| FGET     | @EXEC  | Z0 V | 65 | 63  | 1 | 9/24/92 | 8:55:04  | WWW192 |
| FGET     | EXEC   | Z2 V | 65 | 63  | 1 | 9/24/92 | 8:57:08  | WWW192 |
| FGET     | 1@EXEC | Z0 V | 65 | 57  | 1 | 9/23/92 | 12:08:47 | WWW192 |
| FGET     | 2@EXEC | Z0 V | 65 | 38  | 1 | 5/10/92 | 11:37:18 | WWW192 |
| FHADDING | @HTML  | Z0 V | 71 | 34  | 1 | 5/11/92 | 11:40:38 | WWW192 |
| FHADDING | HTML   | Z1 V | 71 | 34  | 1 | 5/11/92 | 11:40:38 | WWW192 |
| FHBENEFI | @HTML  | Z0 V | 75 | 49  | 1 | 5/10/92 | 23:46:32 | WWW192 |
| FHBENEFI | HTML   | Z1 V | 75 | 49  | 1 | 5/10/92 | 23:46:32 | WWW192 |
| FHDBASE  | @HTML  | Z0 V | 79 | 49  | 1 | 5/10/92 | 23:54:47 | WWW192 |
| FHDBASE  | HTML   | Z1 V | 79 | 49  | 1 | 5/10/92 | 23:54:47 | WWW192 |
| FHEDITOR | @HTML  | Z0 V | 71 | 72  | 1 | 5/11/92 | 11:43:10 | WWW192 |
| FHEDITOR | HTML   | Z1 V | 71 | 74  | 1 | 9/15/92 | 19:40:37 | WWW192 |
| FHEDITOR | 1@HTML | Z0 V | 71 | 72  | 1 | 5/11/92 | 11:43:10 | WWW192 |
| FHEMAIL  | HTML   | Z1 V | 50 | 21  | 1 | 9/15/92 | 19:37:24 | WWW192 |
| FHFTP    | @HTML  | Z0 V | 67 | 48  | 1 | 4/30/92 | 22:47:21 | WWW192 |
| FHFTP    | HTML   | Z1 V | 67 | 48  | 1 | 4/30/92 | 22:47:21 | WWW192 |
| FHGET    | @EXEC  | Z0 V | 79 | 333 | 3 | 9/28/92 | 10:24:21 | WWW192 |
| FHGET    | EXEC   | Z2 V | 79 | 332 | 3 | 9/28/92 | 13:28:41 | WWW192 |
| FHGET    | 1@EXEC | Z0 V | 79 | 332 | 3 | 9/28/92 | 10:21:07 | WWW192 |
| FHGET    | 2@EXEC | Z0 V | 79 | 330 | 3 | 9/28/92 | 10:14:27 | WWW192 |
| FHIMPL   | @HTML  | Z0 V | 68 | 17  | 1 | 5/11/92 | 0:08:03  | WWW192 |
| FHIMPL   | HTML   | Z1 V | 68 | 18  | 1 | 9/10/92 | 19:19:57 | WWW192 |
| FHIMPL   | 1@HTML | Z0 V | 68 | 17  | 1 | 5/11/92 | 0:08:03  | WWW192 |
| FHIMPROV | HTML   | Z1 V | 70 | 15  | 1 | 9/15/92 | 19:59:19 | WWW192 |
| FHMAIN   | @HTML  | Z0 V | 72 | 57  | 1 | 5/17/92 | 19:15:59 | WWW192 |
| FHMAIN   | HTML   | Z1 V | 72 | 66  | 1 | 9/15/92 | 20:01:40 | WWW192 |
| FHMAIN   | 1@HTML | Z0 V | 72 | 58  | 1 | 5/10/92 | 18:02:34 | WWW192 |
| FHNARROW | @HTML  | Z0 V | 70 | 29  | 1 | 5/11/92 | 0:07:53  | WWW192 |
| FHNARROW | HTML   | Z1 V | 70 | 23  | 1 | 5/17/92 | 19:20:28 | WWW192 |
| FHREF1   | @HTML  | Z0 V | 67 | 8   | 1 | 5/11/92 | 0:07:58  | WWW192 |
| FHREF1   | HTML   | Z1 V | 67 | 8   | 1 | 5/11/92 | 0:07:58  | WWW192 |
| FHSCRI   | @HTML  | Z0 V | 72 | 24  | 1 | 5/10/92 | 19:01:45 | WWW192 |
| FHSCRI   | HTML   | Z1 V | 72 | 24  | 1 | 5/10/92 | 19:01:45 | WWW192 |
| FHSEARCH | @EXEC  | Z0 V | 65 | 75  | 1 | 5/10/92 | 17:53:07 | WWW192 |
| FHSEARCH | EXEC   | Z1 V | 65 | 75  | 1 | 5/17/92 | 19:02:07 | WWW192 |
| FHSPIRES | @HTML  | Z0 V | 70 | 38  | 1 | 5/11/92 | 0:23:08  | WWW192 |
| FHSPIRES | HTML   | Z1 V | 70 | 33  | 1 | 5/17/92 | 19:19:19 | WWW192 |
| FHSUBJS  | @HTML  | Z0 V | 69 | 71  | 1 | 5/17/92 | 19:21:35 | WWW192 |
| FHSUBJS  | HTML   | Z1 V | 69 | 71  | 1 | 9/15/92 | 19:35:08 | WWW192 |
| FHSUBJS  | 1@HTML | Z0 V | 69 | 75  | 1 | 5/07/92 | 16:39:28 | WWW192 |
| FHTUTOR  | HTML   | Z1 V | 97 | 19  | 1 | 9/15/92 | 19:57:19 | WWW192 |
| FSEARCH  | @EXEC  | Z0 V | 72 | 93  | 1 | 8/18/92 | 11:22:02 | WWW192 |
| FSEARCH  | EXEC   | Z1 V | 72 | 93  | 1 | 9/16/92 | 13:55:22 | WWW192 |
| FSEARCH  | 1@EXEC | Z0 V | 72 | 92  | 1 | 8/17/92 | 9:22:52  | WWW192 |
| FSEARCH  | 2@EXEC | Z0 V | 72 | 80  | 1 | 8/17/92 | 8:50:49  | WWW192 |
| GETWHERE | EXEC   | Z1 V | 70 | 123 | 2 | 6/03/92 | 16:40:55 | WWW192 |
| HEP      | @HELP  | Z0 V | 71 | 27  | 1 | 3/06/92 | 15:47:24 | WWW192 |
| HEP      | @HTML  | Z0 V | 78 | 9   | 1 | 4/30/92 | 14:17:23 | WWW192 |
| HEP      | @INDEX | Z0 V | 43 | 12  | 1 | 2/27/92 | 13:26:11 | WWW192 |
| HEP      | HELP   | Z1 V | 73 | 792 | 7 | 8/18/92 | 2:07:08  | WWW192 |
| HEP      | HTML   | Z1 V | 73 | 9   | 1 | 8/18/92 | 11:00:49 | WWW192 |
| HEP      | INDEX  | Z1 V | 70 | 19  | 1 | 8/18/92 | 1:56:09  | WWW192 |
| HEP      | 1@HTML | Z0 V | 73 | 9   | 1 | 3/09/92 | 11:36:45 | WWW192 |
| HEPNAMES | HTML   | Z1 V | 75 | 9   | 1 | 8/18/92 | 11:00:58 | WWW192 |
| HEPNAMES | INDEX  | Z1 V | 43 | 12  | 1 | 5/02/92 | 17:36:52 | WWW192 |

|          |           |      |       |     |    |          |          |        |
|----------|-----------|------|-------|-----|----|----------|----------|--------|
| HLMAIN   | @HTML     | Z0 V | 78    | 69  | 1  | 8/20/92  | 15:16:02 | WWW192 |
| HLMAIN   | HTML      | Z1 V | 78    | 70  | 1  | 8/20/92  | 15:18:08 | WWW192 |
| HLMAIN   | 1@HTML    | Z0 V | 78    | 51  | 1  | 5/17/92  | 19:22:33 | WWW192 |
| HLMAIN   | 2@HTML    | Z0 V | 78    | 55  | 1  | 5/11/92  | 11:09:02 | WWW192 |
| HLSTEER  | @HTML     | Z0 V | 64    | 29  | 1  | 8/20/92  | 13:22:52 | WWW192 |
| HLSTEER  | HTML      | Z1 V | 64    | 29  | 1  | 8/20/92  | 13:23:58 | WWW192 |
| HLSTEER  | 1@HTML    | Z0 V | 65    | 34  | 1  | 5/11/92  | 10:38:45 | WWW192 |
| HLSTEER  | 2@HTML    | Z0 V | 65    | 34  | 1  | 5/11/92  | 10:38:45 | WWW192 |
| HTDAEMON | MODULE    | Z1 V | 65535 | 5   | 32 | 12/05/91 | 16:03:14 | WWW192 |
| INSTITUT | HTML      | Z1 V | 71    | 9   | 1  | 8/18/92  | 11:01:08 | WWW192 |
| INSTITUT | INDEX     | Z1 V | 43    | 12  | 1  | 5/02/92  | 17:25:16 | WWW192 |
| PARTICLE | HELP      | Z1 F | 80    | 3   | 1  | 5/02/92  | 15:35:05 | WWW192 |
| PARTICLE | HTML      | Z1 V | 64    | 11  | 1  | 8/18/92  | 11:01:16 | WWW192 |
| PARTICLE | INDEX     | Z1 V | 74    | 24  | 1  | 5/02/92  | 15:50:51 | WWW192 |
| RUN      | EXEC      | Z1 V | 74    | 21  | 1  | 9/19/91  | 14:19:57 | WWW192 |
| RUNDAEMO | @EXEC     | Z0 V | 65    | 21  | 1  | 4/30/92  | 14:25:40 | WWW192 |
| RUNDAEMO | EXEC      | Z1 V | 65    | 21  | 1  | 4/30/92  | 14:53:48 | WWW192 |
| RUNDAEMO | 1@EXEC    | Z0 V | 65    | 21  | 1  | 4/30/92  | 14:25:40 | WWW192 |
| RUNDAEMO | 2@EXEC    | Z0 V | 33    | 5   | 1  | 11/06/91 | 17:03:09 | WWW192 |
| SLAC     | @HTML     | Z0 V | 113   | 62  | 1  | 8/18/92  | 12:15:18 | WWW192 |
| SLAC     | HTML      | Z1 V | 113   | 64  | 1  | 8/18/92  | 20:21:05 | WWW192 |
| SLAC     | 1@HTML    | Z0 V | 113   | 62  | 1  | 8/18/92  | 12:14:25 | WWW192 |
| SLAC     | 2@HTML    | Z0 V | 113   | 60  | 1  | 8/18/92  | 10:58:44 | WWW192 |
| SLACSPEA | HTML      | Z1 V | 52    | 9   | 1  | 8/18/92  | 11:01:24 | WWW192 |
| SLACSPEA | INDEX     | Z1 V | 54    | 18  | 1  | 8/18/92  | 0:40:19  | WWW192 |
| SLDGET   | EXEC      | Z1 V | 97    | 132 | 1  | 8/17/92  | 23:17:48 | WWW192 |
| SMGET    | EXEC      | Z2 V | 81    | 150 | 2  | 8/03/92  | 18:27:13 | WWW192 |
| SPIRES   | @HTML     | Z0 V | 78    | 9   | 1  | 4/30/92  | 14:17:45 | WWW192 |
| SPIRES   | HTML      | Z1 V | 73    | 9   | 1  | 8/18/92  | 11:01:31 | WWW192 |
| SPIRES   | INDEX     | Z1 V | 43    | 12  | 1  | 12/12/91 | 15:59:13 | WWW192 |
| SPIRES   | 1@HTML    | Z0 V | 74    | 9   | 1  | 3/10/92  | 10:41:55 | WWW192 |
| STORES   | @HTML     | Z0 V | 81    | 10  | 1  | 4/30/92  | 14:18:03 | WWW192 |
| STORES   | HELP      | Z1 F | 80    | 267 | 6  | 3/05/92  | 10:43:26 | WWW192 |
| STORES   | HTML      | Z1 V | 76    | 10  | 1  | 8/18/92  | 10:59:03 | WWW192 |
| STORES   | INDEX     | Z1 F | 80    | 10  | 1  | 3/04/92  | 15:51:24 | WWW192 |
| STORES   | 1@HTML    | Z0 V | 76    | 10  | 1  | 3/09/92  | 11:36:54 | WWW192 |
| WHEREIS  | HELP      | Z1 V | 72    | 37  | 1  | 5/21/92  | 13:20:19 | WWW192 |
| WHEREIS  | HTML      | Z1 V | 77    | 10  | 1  | 8/18/92  | 10:59:20 | WWW192 |
| WHEREIS  | INDEX     | Z1 F | 80    | 20  | 1  | 5/13/92  | 11:43:56 | WWW192 |
| WISH     | LIST      | Z1 F | 80    | 16  | 1  | 5/28/92  | 11:30:44 | WWW192 |
| WIZARDS  | @HTML     | Z0 V | 73    | 28  | 1  | 8/18/92  | 10:58:45 | WWW192 |
| WIZARDS  | HTML      | Z1 V | 73    | 31  | 1  | 8/20/92  | 15:23:55 | WWW192 |
| WWW      | FILES     | Z1 F | 80    | 8   | 1  | 4/30/92  | 14:21:19 | WWW192 |
| WWW      | HISTORY   | Z6 V | 79    | 192 | 3  | 9/28/92  | 13:28:55 | WWW192 |
| WWW      | INST\$VAR | Z2 V | 18    | 6   | 1  | 4/29/92  | 17:38:57 | WWW192 |
| WWW      | LASTNEWS  | Z2 V | 26    | 1   | 1  | 5/14/85  | 11:29:18 | WWW192 |
| WWW      | NEWSLIST  | Z2 V | 71    | 2   | 1  | 4/23/86  | 14:02:17 | WWW192 |
| WWW      | OWNERS    | Z2 V | 27    | 52  | 1  | 8/18/92  | 11:05:56 | WWW192 |
| WWW      | STAFF     | Z1 F | 80    | 6   | 1  | 4/29/92  | 13:14:09 | WWW192 |
| XWHERE   | HTML      | Z1 V | 67    | 35  | 1  | 8/18/92  | 10:58:45 | WWW192 |

-----> Batch return code = 0.

-----> System cleanup \$BCLEAN.

```

*****
*
* End execution of JCW106 for WINTERS at 20:11:33 on 13/02/97.
*
* Actual CPU time (mm:ss[.th]):      Virtual = 0:00.59 , Total = 0:01.52
* I/O counts:  SIO=000946 RDR=000000 PRT=000445 PCH=004376
*

```

```

*
* Space used on A-disk at job end: 48K
*
* I/O counts on units still available
* Spool units
* 0009: 305 000C: 0 000D: 153 000E: 0
* 00AE: 0
* Dasd units
* 0190(S): 34 0191(A): 102 019E(Y): 37 0555(Z): 322
* 059E(T): 12 059F(U): 6 05A0(V): 27 05A1(R): 18
*****

```

Wish list of WWW questions/concerns for Bebo to investigate/work on while at CERN. Items are NOT prioritized! WWW Wizards should feel free to add to this list as necessary.

- 1) what are possibilities of fullscreen (i.e., not linemode) support for a browser on VM?
- 2) what continuing support is there for X-windows?
- 3) what work is being done for a Macintosh browser?
- 4) there is a need for comprehensive documentation; especially a conceptual overview.
- 5) is it possible to track inquiries with a finer granularity than IP address (i.e., user)?
- 6) possible changes in the software design to eliminate "hard-coded" parameters (e.g., addresses); something conceptually like GLOBALV.
- 7) possible changes in the software design to eliminate excessive openings/closings of TCP/IP connections.

# The SLAC WWWizards

Support for the WWW service at SLAC is currently being provided by the WWWizards who are:

- Louise Addis
- George Crane
- Tony Johnson
- Bebo White
- Joan Winters

Feel free to contact one of the above with any problems, suggestions etc.

The WWW was originally installed at SLAC by Paul Kunz and Terry Hung.

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Feel free to contact one of the above with any problems, suggestions etc. which are not already on the to-do list.

The WWW was originally installed at SLAC by Paul Kunz and Terry Hung.



## RECOVER

Searching ...

Note: " WINTERS " and " WWW " are not in the same group.

There are 74 copies of WWW 192 on backup tapes.  
They are:

```
1 ) WWW 0192 dumped to file 12 of tape RL0415 on 02/13/97 at 01:10:38
2 ) WWW 0192 dumped to file 21 of tape RL0409 on 02/10/97 at 02:14:28
3 ) WWW 0192 dumped to file 36 of tape RL1208 on 02/04/97 at 14:53:02
4 ) WWW 0192 dumped to file 20 of tape RL0391 on 01/30/97 at 02:23:29
5 ) WWW 0192 dumped to file 21 of tape RL0385 on 01/27/97 at 02:15:35
6 ) WWW 0192 dumped to file 14 of tape RL0377 on 01/23/97 at 02:25:14
7 ) WWW 0192 dumped to file 10 of tape RL0371 on 01/20/97 at 02:11:03
8 ) WWW 0192 dumped to file 33 of tape RL0364 on 01/16/97 at 01:11:08
9 ) WWW 0192 dumped to file 28 of tape RL0358 on 01/13/97 at 02:14:23
10 ) WWW 0192 dumped to file 56 of tape RL1245 on 01/07/97 at 15:19:01
11 ) WWW 0192 dumped to file 50 of tape RL0345 on 01/06/97 at 13:14:14
12 ) WWW 0192 dumped to file 36 of tape RL0340 on 01/02/97 at 01:49:09
13 ) WWW 0192 dumped to file 25 of tape RL0325 on 12/23/96 at 02:14:26
14 ) WWW 0192 dumped to file 25 of tape RL0319 on 12/19/96 at 02:21:04
15 ) WWW 0192 dumped to file 14 of tape RL0313 on 12/16/96 at 02:09:20
16 ) WWW 0192 dumped to file 26 of tape RL0300 on 12/09/96 at 02:16:17
17 ) WWW 0192 dumped to file 56 of tape RL0617 on 12/03/96 at 15:44:15
18 ) WWW 0192 dumped to file 32 of tape RL0288 on 12/02/96 at 01:50:24
19 ) WWW 0192 dumped to file 36 of tape RL0283 on 11/28/96 at 02:21:34
20 ) WWW 0192 dumped to file 21 of tape RL0277 on 11/25/96 at 02:13:44
21 ) WWW 0192 dumped to file 41 of tape RL0270 on 11/21/96 at 02:24:55
22 ) WWW 0192 dumped to file 16 of tape RL0264 on 11/18/96 at 02:13:23
23 ) WWW 0192 dumped to file 34 of tape RL0258 on 11/14/96 at 02:26:04
24 ) WWW 0192 dumped to file 39 of tape RL0252 on 11/11/96 at 01:12:52
25 ) WWW 0192 dumped to file 37 of tape RL0246 on 11/04/96 at 02:20:42
26 ) WWW 0192 dumped to file 9 of tape RL0234 on 10/28/96 at 02:41:38
27 ) WWW 0192 dumped to file 15 of tape RL0227 on 10/24/96 at 02:17:59
28 ) WWW 0192 dumped to file 21 of tape RL0221 on 10/21/96 at 02:11:20
29 ) WWW 0192 dumped to file 30 of tape RL0209 on 10/14/96 at 02:15:23
30 ) WWW 0192 dumped to file 54 of tape RL0196 on 10/07/96 at 02:03:55
31 ) WWW 0192 dumped to file 52 of tape RL0872 on 10/02/96 at 15:08:31
32 ) WWW 0192 dumped to file 27 of tape RL0191 on 09/30/96 at 02:14:15
33 ) WWW 0192 dumped to file 37 of tape RL0186 on 09/26/96 at 01:42:04
34 ) WWW 0192 dumped to file 56 of tape RL0178 on 09/19/96 at 02:50:37
35 ) WWW 0192 dumped to file 33 of tape RL0171 on 09/16/96 at 02:39:48
36 ) WWW 0192 dumped to file 2 of tape RL0165 on 09/12/96 at 01:30:43
37 ) WWW 0192 dumped to file 53 of tape RL0850 on 09/03/96 at 18:09:45
38 ) WWW 0192 dumped to file 28 of tape RL0152 on 09/02/96 at 02:13:42
39 ) WWW 0192 dumped to file 36 of tape RL0139 on 08/26/96 at 02:19:48
40 ) WWW 0192 dumped to file 37 of tape RL0126 on 08/19/96 at 01:13:10
41 ) WWW 0192 dumped to file 18 of tape RL0120 on 08/15/96 at 02:43:55
42 ) WWW 0192 dumped to file 22 of tape RL0113 on 08/12/96 at 01:04:39
43 ) WWW 0192 dumped to file 54 of tape RL0828 on 08/06/96 at 16:12:28
44 ) WWW 0192 dumped to file 32 of tape RL0106 on 08/05/96 at 02:25:49
45 ) WWW 0192 dumped to file 30 of tape RL0092 on 07/29/96 at 02:18:13
46 ) WWW 0192 dumped to file 41 of tape RL0085 on 07/25/96 at 02:26:39
47 ) WWW 0192 dumped to file 32 of tape RL0079 on 07/22/96 at 02:15:02
48 ) WWW 0192 dumped to file 36 of tape RL0072 on 07/18/96 at 02:30:04
49 ) WWW 0192 dumped to file 13 of tape RL0066 on 07/15/96 at 01:22:14
50 ) WWW 0192 dumped to file 31 of tape RL0059 on 07/11/96 at 01:16:51
51 ) WWW 0192 dumped to file 8 of tape RL0053 on 07/08/96 at 02:13:44
52 ) WWW 0192 dumped to file 41 of tape RL0047 on 07/04/96 at 01:55:38
53 ) WWW 0192 dumped to file 53 of tape RL0806 on 07/02/96 at 22:13:16
```

54 ) WWW 0192 dumped to file 34 of tape RL0451 on 07/01/96 at 02:17:47  
55 ) WWW 0192 dumped to file 43 of tape RL0444 on 06/27/96 at 02:18:53  
56 ) WWW 0192 dumped to file 23 of tape RL0437 on 06/24/96 at 02:13:05  
57 ) WWW 0192 dumped to file 37 of tape RL0430 on 06/20/96 at 02:21:16  
58 ) WWW 0192 dumped to file 26 of tape RL0423 on 06/17/96 at 02:12:29  
59 ) WWW 0192 dumped to file 4 of tape RL3402 on 04/02/96 at 22:02:46  
60 ) WWW 0192 dumped to file 23 of tape RL1162 on 01/02/96 at 16:40:18  
61 ) WWW 0192 dumped to file 23 of tape RL2552 on 10/03/95 at 15:54:18  
62 ) WWW 0192 dumped to file 11 of tape RL1555 on 07/04/95 at 16:17:03  
63 ) WWW 0192 dumped to file 61 of tape RL1564 on 04/04/95 at 18:46:17  
64 ) WWW 0192 dumped to file 82 of tape RL2989 on 01/03/95 at 19:19:40  
65 ) WWW 0192 dumped to file 149 of tape RL3150 on 10/04/94 at 17:24:08  
66 ) WWW 0192 dumped to file 91 of tape RL1810 on 07/06/94 at 17:31:57  
67 ) WWW 0192 dumped to file 7 of tape RL3319 on 04/05/94 at 23:51:58  
68 ) WWW 0192 dumped to file 21 of tape RL3132 on 01/06/94 at 00:38:35  
69 ) WWW 0192 dumped to file 36 of tape RL2971 on 10/05/93 at 23:12:11  
70 ) WWW 0192 dumped to file 78 of tape RL2731 on 07/06/93 at 23:02:42  
71 ) WWW 0192 dumped to file 64 of tape RL2186 on 04/06/93 at 21:17:00  
72 ) WWW 0192 dumped to file 81 of tape RL2535 on 01/05/93 at 21:26:23  
73 ) WWW 0192 dumped to file 72 of tape RL1547 on 10/07/92 at 05:06:37  
74 ) WWW 0192 dumped to file 65 of tape RL1384 on 07/07/92 at 23:26:12

Which one of the above do you wish to restore?  
( 1 - 74 , <CR>=none )

|    |    |          |      |    |
|----|----|----------|------|----|
| &1 | &2 | BINLIST  | HTML | A1 |
| &1 | &2 | DEFAULT  | HTML | A1 |
| &1 | &2 | DEFAULTX | HTML | A1 |
| &1 | &2 | HEP      | HTML | A1 |
| &1 | &2 | SPIRES   | HTML | A1 |
| &1 | &2 | STORES   | HTML | A1 |
| &1 | &2 | FGET     | EXEC | A2 |
| &1 | &2 | FSEARCH  | EXEC | A1 |

| Date                           | Time     | Userid  | Function | FN     | FT    | FM      | From-disk | News-ID |
|--------------------------------|----------|---------|----------|--------|-------|---------|-----------|---------|
| 29Apr92                        | 17:39:11 | WINTERS | COMMENT  |        |       |         |           |         |
| Made into an INSTALL disk.     |          |         |          |        |       |         |           |         |
| 30Apr92                        | 13:58:09 | WWW     | OWN      | WWW    | FILES |         |           |         |
| 30Apr92                        | 14:06:43 | WWW     | OWN      | WWW    | FILES | CONT    |           |         |
|                                |          |         | FGET     | EXEC   |       |         |           |         |
|                                |          |         | FSEARCH  | EXEC   |       |         |           |         |
|                                |          |         | RUN      | EXEC   |       |         |           |         |
|                                |          |         | RUNDAEMO | EXEC   |       |         |           |         |
|                                |          |         | BINLIST  | HELP   |       |         |           |         |
|                                |          |         | HEP      | HELP   |       |         |           |         |
|                                |          |         | STORES   | HELP   |       |         |           |         |
|                                |          |         | BINLIST  | HTML   |       |         |           |         |
|                                |          |         | DEFAULT  | HTML   |       |         |           |         |
|                                |          |         | DEFAULTX | HTML   |       |         |           |         |
|                                |          |         | HEP      | HTML   |       |         |           |         |
|                                |          |         | SPIRES   | HTML   |       |         |           |         |
|                                |          |         | STORES   | HTML   |       |         |           |         |
|                                |          |         | BINLIST  | INDEX  |       |         |           |         |
|                                |          |         | HEP      | INDEX  |       |         |           |         |
|                                |          |         | SPIRES   | INDEX  |       |         |           |         |
|                                |          |         | STORES   | INDEX  |       |         |           |         |
|                                |          |         | HTDAEMON | MODULE |       |         |           |         |
| 30Apr92                        | 14:07:18 | WWW     | ADD      | WWW    | FILES | A WWW   | 0191      | CONT    |
|                                |          |         | FGET     | EXEC   | C2    | SPICELL | 0192      |         |
|                                |          |         | FSEARCH  | EXEC   | C1    | SPICELL | 0192      |         |
|                                |          |         | RUN      | EXEC   | C1    | SPICELL | 0192      |         |
|                                |          |         | RUNDAEMO | EXEC   | C1    | SPICELL | 0192      |         |
|                                |          |         | BINLIST  | HELP   | C1    | SPICELL | 0192      |         |
|                                |          |         | HEP      | HELP   | C1    | SPICELL | 0192      |         |
|                                |          |         | STORES   | HELP   | C1    | SPICELL | 0192      |         |
|                                |          |         | BINLIST  | HTML   | C1    | SPICELL | 0192      |         |
|                                |          |         | DEFAULT  | HTML   | C1    | SPICELL | 0192      |         |
|                                |          |         | DEFAULTX | HTML   | C1    | SPICELL | 0192      |         |
|                                |          |         | HEP      | HTML   | C1    | SPICELL | 0192      |         |
|                                |          |         | SPIRES   | HTML   | C1    | SPICELL | 0192      |         |
|                                |          |         | STORES   | HTML   | C1    | SPICELL | 0192      |         |
|                                |          |         | BINLIST  | INDEX  | C1    | SPICELL | 0192      |         |
|                                |          |         | HEP      | INDEX  | C1    | SPICELL | 0192      |         |
|                                |          |         | SPIRES   | INDEX  | C1    | SPICELL | 0192      |         |
|                                |          |         | STORES   | INDEX  | C1    | SPICELL | 0192      |         |
|                                |          |         | HTDAEMON | MODULE | C1    | SPICELL | 0192      |         |
| Files for WWW program          |          |         |          |        |       |         |           |         |
| 30Apr92                        | 14:21:28 | WWW     | REP      | WWW    | FILES | A WWW   | 0191      |         |
| Added port designation of 0080 |          |         |          |        |       |         |           |         |
| 30Apr92                        | 14:27:49 | WWW     | REP      | CMS    | EXEC  | A WWW   | 0191      | CONT    |
|                                |          |         | FGET     | EXEC   | A2    | WWW     | 0191      |         |
|                                |          |         | FSEARCH  | EXEC   | A1    | WWW     | 0191      |         |
|                                |          |         | RUNDAEMO | EXEC   | A1    | WWW     | 0191      |         |
| Exec cleanup                   |          |         |          |        |       |         |           |         |
| 30Apr92                        | 14:48:08 | WWW     | REP      | CMS    | EXEC  | A WWW   | 0191      | CONT    |
|                                |          |         | FGET     | EXEC   | A2    | WWW     | 0191      |         |
|                                |          |         | FSEARCH  | EXEC   | A1    | WWW     | 0191      |         |
|                                |          |         | RUNDAEMO | EXEC   | A1    | WWW     | 0191      |         |
|                                |          |         | BINLIST  | HTML   | A1    | WWW     | 0191      |         |
|                                |          |         | DEFAULT  | HTML   | A1    | WWW     | 0191      |         |
|                                |          |         | DEFAULTX | HTML   | A1    | WWW     | 0191      |         |
|                                |          |         | HEP      | HTML   | A1    | WWW     | 0191      |         |
|                                |          |         | SPIRES   | HTML   | A1    | WWW     | 0191      |         |
|                                |          |         | STORES   | HTML   | A1    | WWW     | 0191      |         |

## updated files

|                                    |          |          |      |             |              |
|------------------------------------|----------|----------|------|-------------|--------------|
| 11May92 12:02:19 TONYJ             | OWN      | FH*      | HTML |             |              |
| 11May92 12:02:35 TONYJ             | OWN      | FH*      | EXEC |             |              |
| 11May92 12:02:48 TONYJ             | OWN      | HL*      | HTML |             |              |
| 11May92 12:03:32 TONYJ             | ADD      | FH*      | *    | H           |              |
|                                    |          | FHADDING | HTML | H1          | WWWTEST 0192 |
|                                    |          | FHBENEFI | HTML | H1          | WWWTEST 0192 |
|                                    |          | FHDBASE  | HTML | H1          | WWWTEST 0192 |
|                                    |          | FHEDITOR | HTML | H1          | WWWTEST 0192 |
|                                    |          | FHFTP    | HTML | H1          | WWWTEST 0192 |
|                                    |          | FHGET    | EXEC | H2          | WWWTEST 0192 |
|                                    |          | FHIMPL   | HTML | H1          | WWWTEST 0192 |
|                                    |          | FHMAIN   | HTML | H1          | WWWTEST 0192 |
|                                    |          | FHNARROW | HTML | H1          | WWWTEST 0192 |
|                                    |          | FHREF1   | HTML | H1          | WWWTEST 0192 |
|                                    |          | FHSCRI   | HTML | H1          | WWWTEST 0192 |
|                                    |          | FHSEARCH | EXEC | H1          | WWWTEST 0192 |
|                                    |          | FHSPIRES | HTML | H1          | WWWTEST 0192 |
|                                    |          | FHSUBJS  | HTML | H1          | WWWTEST 0192 |
| Promoted from WWWTEST              |          |          |      |             |              |
| 11May92 12:04:01 TONYJ             | ADD      | HL*      | *    | H           |              |
|                                    |          | HLMAIN   | HTML | H1          | WWWTEST 0192 |
|                                    |          | HLSTEER  | HTML | H1          | WWWTEST 0192 |
| Promoted from WWWTEST              |          |          |      |             |              |
| 11May92 12:04:25 TONYJ             | REP      | FGET     | EXEC | H           | WWWTEST 0192 |
| Contains FreeHEP escape            |          |          |      |             |              |
| 11May92 12:04:50 TONYJ             | REP      | FSEARCH  | EXEC | H           | WWWTEST 0192 |
| Contain FreeHEP escape             |          |          |      |             |              |
| 17May92 19:45:50 TONYJ             | REP      | FH*      | HTML | H           |              |
|                                    |          | FHADDING | HTML | H1          | WWWTEST 0192 |
|                                    |          | FHBENEFI | HTML | H1          | WWWTEST 0192 |
|                                    |          | FHDBASE  | HTML | H1          | WWWTEST 0192 |
|                                    |          | FHEDITOR | HTML | H1          | WWWTEST 0192 |
|                                    |          | FHFTP    | HTML | H1          | WWWTEST 0192 |
|                                    |          | FHIMPL   | HTML | H1          | WWWTEST 0192 |
|                                    |          | FHMAIN   | HTML | H1          | WWWTEST 0192 |
|                                    |          | FHNARROW | HTML | H1          | WWWTEST 0192 |
|                                    |          | FHREF1   | HTML | H1          | WWWTEST 0192 |
|                                    |          | FHSCRI   | HTML | H1          | WWWTEST 0192 |
|                                    |          | FHSPIRES | HTML | H1          | WWWTEST 0192 |
|                                    |          | FHSUBJS  | HTML | H1          | WWWTEST 0192 |
| 17May92 19:46:06 TONYJ             | REP      | HL*      | HTML | H           |              |
|                                    |          | HLMAIN   | HTML | H1          | WWWTEST 0192 |
|                                    |          | HLSTEER  | HTML | H1          | WWWTEST 0192 |
| 17May92 19:46:25 TONYJ             | REP      | FH*      | EXEC | H           |              |
|                                    |          | FHGET    | EXEC | H2          | WWWTEST 0192 |
|                                    |          | FHSEARCH | EXEC | H1          | WWWTEST 0192 |
| 28May92 11:15:37 BEBO              | OWN      | WISH     | LIST |             |              |
| 28May92 11:19:39 BEBO              | DISOWN   | WISH     | LIST |             |              |
| 28May92 11:19:56 BEBO              | OWN      | WISH     | LIST | FOR ANYBODY |              |
| 28May92 11:31:00 BEBO              | ADD      | WISH     | LIST | A BEBO      | 0191         |
| List of WWW wishes                 |          |          |      |             |              |
| 28May92 16:29:24 CRANE             | REP      | BINLIST  | HTML | A CRANE     | 0191         |
| simplify by removing host name     |          |          |      |             |              |
| 17Aug92 08:51:02 CRANE             | REP      | FSEARCH  | EXEC | CRANE       | 0191         |
| Add SAY to show arguments on entry |          |          |      |             |              |
| 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 11:05:35 TONYJ

| REP /OWN | HTML     | FILES | TDISK      | 195\$ | CONT |
|----------|----------|-------|------------|-------|------|
|          | BIBLIO   | INDEX | H1 WWWTEST | 0192  |      |
|          | BOOKS    | INDEX | H1 WWWTEST | 0192  |      |
|          | CONF     | INDEX | H1 WWWTEST | 0192  |      |
|          | EXPERI   | INDEX | H1 WWWTEST | 0192  |      |
|          | EXPERIME | INDEX | H1 WWWTEST | 0192  |      |
|          | FGET     | EXEC  | H2 WWWTEST | 0192  |      |
|          | FSEARCH  | EXEC  | H1 WWWTEST | 0192  |      |
|          | GETWHERE | EXEC  | H1 WWWTEST | 0192  |      |
|          | HEP      | HELP  | H1 WWWTEST | 0192  |      |
|          | HEP      | INDEX | H1 WWWTEST | 0192  |      |
|          | HEPNAMES | INDEX | H1 WWWTEST | 0192  |      |
|          | INSTITUT | INDEX | H1 WWWTEST | 0192  |      |
|          | PARTICLE | HELP  | H1 WWWTEST | 0192  |      |
|          | PARTICLE | INDEX | H1 WWWTEST | 0192  |      |
|          | RUNDAEMO | EXEC  | H1 WWWTEST | 0192  |      |
|          | SLACSPEA | INDEX | H1 WWWTEST | 0192  |      |
|          | SLDGET   | EXEC  | H1 WWWTEST | 0192  |      |
|          | SMGET    | EXEC  | H2 WWWTEST | 0192  |      |
|          | WHEREIS  | HELP  | H1 WWWTEST | 0192  |      |
|          | WHEREIS  | INDEX | H1 WWWTEST | 0192  |      |

Moved from WWWTEST

|                        |     |          |      |            |       |
|------------------------|-----|----------|------|------------|-------|
| 18Aug92 11:22:20 TONYJ | REP | FSEARCH  | EXEC | TDISK      | 195\$ |
| 18Aug92 12:14:51 TONYJ | REP | SLAC     | HTML | A          | TDISK |
| 18Aug92 12:15:21 TONYJ | REP | SLAC     | HTML | A          | TDISK |
| 18Aug92 20:21:16 TONYJ | REP | SLAC     | HTML | TDISK      | 195\$ |
| 20Aug92 13:23:15 TONYJ | REP | HLSTEER  | HTML | TDISK      | 195\$ |
| 20Aug92 13:24:06 TONYJ | REP | HLSTEER  | HTML | TDISK      | 195\$ |
| 20Aug92 15:16:08 TONYJ | REP | HLMAIN   | HTML | TDISK      | 195\$ |
| 20Aug92 15:18:13 TONYJ | REP | HLMAIN   | HTML | TDISK      | 195\$ |
| 20Aug92 15:24:04 TONYJ | REP | WIZARDS  | HTML | TDISK      | 195\$ |
| 15Sep92 20:23:41 TONYJ | REP | FH*      | *    | F          |       |
|                        |     | FHEDITOR | HTML | F1 WWWTEST | 0192  |
|                        |     | FHEMAIL  | HTML | F1 WWWTEST | 0192  |
|                        |     | FHGET    | EXEC | F2 WWWTEST | 0192  |
|                        |     | FHIMPL   | HTML | F1 WWWTEST | 0192  |
|                        |     | FHIMPROV | HTML | F1 WWWTEST | 0192  |
|                        |     | FHMAIN   | HTML | F1 WWWTEST | 0192  |
|                        |     | FHSUBJS  | HTML | F1 WWWTEST | 0192  |
|                        |     | FHTUTOR  | HTML | F1 WWWTEST | 0192  |

Moved from WWWTest

|                         |     |         |      |       |         |      |
|-------------------------|-----|---------|------|-------|---------|------|
| 18Sep92 12:58:10 CRANE  | REP | FSEARCH | EXEC | H     | WWWTEST | 0192 |
| change plaintext to xmp |     |         |      |       |         |      |
| 24Sep92 08:55:13 CRANE  | REP | FGET    | EXEC | CRANE |         | 0191 |

```

    show any lines in stack on entry to Fget
24Sep92 08:57:24 CRANE  REP    FGET    EXEC      CRANE    0191
    correct statement
28Sep92 10:10:11 CRANE  REP    FHGET    EXEC      A  CRANE    0191
    add showstak command
28Sep92 10:14:38 CRANE  REP    FHGET    EXEC      CRANE    0191
28Sep92 10:21:14 CRANE  REP    FHGET    EXEC      CRANE    0191
    don't queue blank lines
28Sep92 10:24:34 CRANE  REP    FHGET    EXEC      CRANE    0191
    missing end on do
28Sep92 13:28:46 CRANE  REP    FHGET    EXEC      CRANE    0191
    Remove SHOWSTAK command.

```

```
$userid = 'WWW'  
$ownaddr = '192'  
$dm = 'ANY'  
$backup. = 3  
$pass = '4OURWORK'  
$backup_max = 9
```



0 IS LAST NEWS FILENAME

ITEM

DATE

NUMBER

|          |         |         |
|----------|---------|---------|
| FH*      | EXEC    | TONYJ   |
| FH*      | HTML    | TONYJ   |
| HL*      | HTML    | TONYJ   |
| DUMMYFN  | DUMMYFT | USERID  |
| BINLIST  | HELP    | WWW     |
| BINLIST  | HTML    | WWW     |
| BINLIST  | INDEX   | WWW     |
| DEFAULT  | HTML    | WWW     |
| DEFAULTX | HTML    | WWW     |
| FGET     | EXEC    | WWW     |
| FSEARCH  | EXEC    | WWW     |
| HEP      | HELP    | WWW     |
| HEP      | HTML    | WWW     |
| HEP      | INDEX   | WWW     |
| HTDAEMON | MODULE  | WWW     |
| RUN      | EXEC    | WWW     |
| RUNDAEMO | EXEC    | WWW     |
| SPIRES   | HTML    | WWW     |
| SPIRES   | INDEX   | WWW     |
| STORES   | HELP    | WWW     |
| STORES   | HTML    | WWW     |
| STORES   | INDEX   | WWW     |
| WWW      | FILES   | WWW     |
| WISH     | LIST    | ANYBODY |
| APSNEWS  | HTML    | TONYJ   |
| BIBLIO   | HTML    | TONYJ   |
| BOOKS    | HTML    | TONYJ   |
| CONF     | HTML    | TONYJ   |
| EXPERI   | HTML    | TONYJ   |
| HEPNAMES | HTML    | TONYJ   |
| INSTITUT | HTML    | TONYJ   |
| PARTICLE | HTML    | TONYJ   |
| SLAC     | HTML    | TONYJ   |
| SLACSPEA | HTML    | TONYJ   |
| WHEREIS  | HTML    | TONYJ   |
| WIZARDS  | HTML    | TONYJ   |
| XWHERE   | HTML    | TONYJ   |
| BIBLIO   | INDEX   | TONYJ   |
| BOOKS    | INDEX   | TONYJ   |
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| EXPERI   | INDEX   | TONYJ   |
| EXPERIME | INDEX   | TONYJ   |
| GETWHERE | EXEC    | TONYJ   |
| HEPNAMES | INDEX   | TONYJ   |
| INSTITUT | INDEX   | TONYJ   |
| PARTICLE | HELP    | TONYJ   |
| PARTICLE | INDEX   | TONYJ   |
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| SLDGET   | EXEC    | TONYJ   |
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| WHEREIS  | HELP    | TONYJ   |
| WHEREIS  | INDEX   | TONYJ   |

ADDIS  
BEBO  
CRANE  
MEB  
TONYJ  
WINTERS

## SLAC WHEREIS

Gives information about VM userids, workstations, printers, cables, ports, catalogued tapes, property control numbers, and HEP institutions.

### PCNUM

Purchase and nodename information (if known)

### NODE

Database info based on nodename

### ETHER

Name of node with given hardware or software address

### TAP

provides segment and nodename information

### DEVICE

provides info based on physical device address

### MICOM

provides data on given Micom channel address

### PORT

provides data on given port address

### CABLE

provides data on given cable number

### PRT

provides info on local or remote RSCS printer

### VOLSER

provides tape location and various other info

### INSTITUTION

provides database info on given HEP site

### SUMMARY

Ethernet, Computer, & Network Device Summary

### HELP

Additional information about Whereis