********************************************

* Restart execution of JCM093 for WINTERS, class S. 
* Execution begins at 13:41:13 on 8 Nov 1996 in BATCH04A at SLACVM.
* Submitted at 12:37:16 on 8 Nov 1996 for WINTERS at SLACVM.
* Running CURCMS, mode XA, storage = 4096K, time limit = 2 minutes.
* Max print = 10K lines, max punch = 100K cards.

********************************************

----> Execute "R&CDV191"

** RECOVER WINTEST 191 to TDISK **
DASD 0555 DEFINED
TAPE 0120 ATTACHED TO BATCH04A 0181
TAPE 0131 ON DEV 0120 3490 R/W SUBCH = 0000
PHI REQ 0110I 13:44:14 Mounting volume RL0631 on device 181, SL NoRing
PHI VERT 0110I 13:44:02 Volume RL0631 on device 181 has been verified
Rewind complete
RESTORING W1191
DATA DUMPED 04/07/92 AT 11.18.31 GMT FROM W1191 RESTORED TO SCRATCH
INPUT CYLINDER EXTENTS 0000 0000 OUTPUT CYLINDER EXTENTS 0000 0000
END OF RESTORE
END OF JOB
13:43:36 * MSG FROM VMSETUP: VMSCAN001I VMSLEEP REQUEST FOR WINTERS JCM093 WILL BE CANCELLED.
TAPE 0181 DETACHED BY VMSETUP
CARD DUMP BINLIST HELP Z1
PUN FILE 0961 SENT TO WINTERS RDR AS 6339 RECS 0003 CPY 001 Y NOHOLD NOKEEP
CARD DUMP BINLIST HTML Z1
PUN FILE 0962 SENT TO WINTERS RDR AS 6340 RECS 0006 CPY 001 Y NOHOLD NOKEEP
CARD DUMP BINLIST INDEX Z1
PUN FILE 0963 SENT TO WINTERS RDR AS 6341 RECS 0004 CPY 001 Y NOHOLD NOKEEP
CARD DUMP DEFAULT HTML Z1
PUN FILE 0964 SENT TO WINTERS RDR AS 6342 RECS 0006 CPY 001 Y NOHOLD NOKEEP
CARD DUMP DEFAULTX HTML Z1
PUN FILE 0965 SENT TO WINTERS RDR AS 6343 RECS 0008 CPY 001 Y NOHOLD NOKEEP
CARD DUMP GET EXEC Z2
PUN FILE 0966 SENT TO WINTERS RDR AS 6344 RECS 0010 CPY 001 Y NOHOLD NOKEEP
CARD DUMP FSEARCH EXEC Z1
PUN FILE 0967 SENT TO WINTERS RDR AS 6345 RECS 0008 CPY 001 Y NOHOLD NOKEEP
CARD DUMP FSEARCH SAVEEXEC Z1
PUN FILE 0968 SENT TO WINTERS RDR AS 6346 RECS 0012 CPY 001 Y NOHOLD NOKEEP
CARD DUMP HEP HEL P Z1
PUN FILE 0969 SENT TO WINTERS RDR AS 6347 RECS 0015 CPY 001 Y NOHOLD NOKEEP
CARD DUMP HEP HTML Z1
PUN FILE 0970 SENT TO WINTERS RDR AS 6348 RECS 0006 CPY 001 Y NOHOLD NOKEEP
CARD DUMP HEP INDEX Z1
PUN FILE 0971 SENT TO WINTERS RDR AS 6349 RECS 0004 CPY 001 Y NOHOLD NOKEEP
CARD DUMP PROFILE EXEC Z2
PUN FILE 0972 SENT TO WINTERS RDR AS 6350 RECS 0008 CPY 001 Y NOHOLD NOKEEP
CARD DUMP PROFILE XEDIT Z0
PUN FILE 0973 SENT TO WINTERS RDR AS 6351 RECS 0005 CPY 001 Y NOHOLD NOKEEP
CARD DUMP RUNDATAM EXEC Z1
FILE: WINTERS JCM093 C1 Dated 11/08/96 16:03:05 From disk SPC491 PAGE 00002

PUN FILE 0976 SENT TO WINTERS RDR AS 6352 RECS 0005 CPY 001 Y NOHOLD NOKEEP
CARD DUMP STORES HELP Z1
PUN FILE 0977 SENT TO WINTERS RDR AS 6353 RECS 0142 CPY 001 Y NOHOLD NOKEEP
CARD DUMP STORES HTML Z1
PUN FILE 0976 SENT TO WINTERS RDR AS 6354 RECS 0006 CPY 001 Y NOHOLD NOKEEP
CARD DUMP STORES INDEX Z1
PUN FILE 0977 SENT TO WINTERS RDR AS 6355 RECS 0004 CPY 001 Y NOHOLD NOKEEP
CARD DUMP UNREAD NOTEBOOK Z0
PUN FILE 0978 SENT TO WINTERS RDR AS 6356 RECS 0002 CPY 001 Y NOHOLD NOKEEP
CARD DUMP WINTEST LASTNEWS Z1
PUN FILE 0979 SENT TO WINTERS RDR AS 6357 RECS 0002 CPY 001 Y NOHOLD NOKEEP
FILE NAME FILETYPE FM FORMAT LRECL RECS BLOCKS DATE TIME LABEL
BINLIST HELP Z1 V 53 4 1 3/06/92 15:47:52 W1W1
BINLIST INDEX Z1 F 60 10 1 2/27/92 14:54:47 W1W1
DEFAULT HTML Z1 V 85 10 1 3/06/92 15:57:40 W1W1
DEFAULTX HTML Z1 V 85 12 1 3/06/92 15:56:00 W1W1
FGET EXEC Z2 V 75 24 1 3/06/92 16:00:43 W1W1
FSEARCH EXEC Z1 V 61 22 1 3/04/92 16:00:05 W1W1
HELP HELPLIST Z1 V 71 27 1 2/27/92 13:20:42 W1W1
HELP HTML Z1 V 78 9 1 3/06/92 15:56:56 W1W1
HELP INDEX Z1 V 43 12 1 2/27/92 13:26:11 W1W1
PROFILE EXEC Z2 V 69 20 1 3/06/92 15:45:58 W1W1
PROFILE XEDIT Z0 V 29 15 1 11/04/88 14:03:27 W1W1
RUNDemo EXEC Z1 V 62 12 1 2/26/92 11:50:44 W1W1
STORES HELPE XEDIT Z1 V 80 267 21 3/05/92 10:43:26 W1W1
STORES HTML Z1 V 81 10 1 3/05/92 10:14:20 W1W1
STORES INDEX Z1 F 60 10 1 3/04/92 15:51:24 W1W1
UNREAD NOTEBOOK Z0 V 4 1 1 2/26/92 11:40:15 W1W1
WINTEST LASTNEWS Z1 V 12 1 1 2/26/92 11:40:15 W1W1

----- Batch return code = 0.

-------------------------- System cleanup $BCLEAN.

******************************************************************************
*
*
* Actual CPU time (mm:ss.tth): Virtual = 0:00.39 , Total = 0:00.65
* I/O counts: SIO=000354 RDR=000000 PRT=0000121 PCH=000333
*
* Space used on A-disk at job end: 46K
* I/O used on A-disk at job end: 46K
*
* Spool units
* 0009: 89 000C: 0 000D: 22 000E: 0
* 00AE: 0
* 00Bc: 0
* 0190(S): 34 0191(A): 98 019E(Y): 37 0555(Z): 40
* 059E(T): 12 059F(U): 6 05A0(V): 27 05A1(R): 18
******************************************************************************
Searching ...

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

There are 84 copies of WANTEST 191 on backup tapes.

They are:

1. WANTEST 0191 dumped to file 17 of tape RL0007 on 11/05/96 at 11:40:19
2. WANTEST 0191 dumped to file 11 of tape RL0024 on 11/06/96 at 01:16:30
3. WANTEST 0191 dumped to file 10 of tape RL0038 on 10/31/96 at 00:08:21
4. WANTEST 0191 dumped to file 14 of tape RL0031 on 10/26/96 at 01:10:42
5. WANTEST 0191 dumped to file 5 of tape RL0025 on 10/24/96 at 01:19:43
6. WANTEST 0191 dumped to file 6 of tape RL0019 on 10/21/96 at 01:07:51
7. WANTEST 0191 dumped to file 4 of tape RL0013 on 10/17/96 at 01:12:39
8. WANTEST 0191 dumped to file 8 of tape RL0020 on 10/14/96 at 01:09:52
9. WANTEST 0191 dumped to file 7 of tape RL0021 on 10/10/96 at 00:10:00
10. WANTEST 0191 dumped to file 3 of tape RL0015 on 10/07/96 at 01:14:51
11. WANTEST 0191 dumped to file 17 of tape RL0065 on 10/02/96 at 11:11:49
12. WANTEST 0191 dumped to file 8 of tape RL0109 on 09/30/96 at 01:09:46
13. WANTEST 0191 dumped to file 16 of tape RL0103 on 09/26/96 at 00:11:51
14. WANTEST 0191 dumped to file 11 of tape RL0176 on 09/19/96 at 01:40:01
15. WANTEST 0191 dumped to file 8 of tape RL0169 on 09/16/96 at 01:20:18
16. WANTEST 0191 dumped to file 16 of tape RL0162 on 09/12/96 at 00:12:21
17. WANTEST 0191 dumped to file 8 of tape RL0156 on 09/05/96 at 00:36:10
18. WANTEST 0191 dumped to file 16 of tape RL0063 on 09/03/96 at 14:17:20
19. WANTEST 0191 dumped to file 9 of tape RL0150 on 09/02/96 at 01:12:42
20. WANTEST 0191 dumped to file 13 of tape RL0143 on 08/29/96 at 01:16:56
21. WANTEST 0191 dumped to file 10 of tape RL0137 on 08/26/96 at 01:16:38
22. WANTEST 0191 dumped to file 9 of tape RL0130 on 08/22/96 at 01:16:04
23. WANTEST 0191 dumped to file 9 of tape RL0124 on 08/19/96 at 00:07:56
24. WANTEST 0191 dumped to file 15 of tape RL0117 on 08/15/96 at 00:12:35
25. WANTEST 0191 dumped to file 8 of tape RL0111 on 08/12/96 at 00:07:02
26. WANTEST 0191 dumped to file 16 of tape RL0081 on 08/06/96 at 11:46:52
27. WANTEST 0191 dumped to file 9 of tape RL0104 on 08/05/96 at 01:17:37
28. WANTEST 0191 dumped to file 11 of tape RL0097 on 08/01/96 at 01:14:43
29. WANTEST 0191 dumped to file 10 of tape RL0090 on 07/29/96 at 01:14:43
30. WANTEST 0191 dumped to file 12 of tape RL0003 on 07/25/96 at 01:17:55
31. WANTEST 0191 dumped to file 12 of tape RL0077 on 07/22/96 at 01:12:27
32. WANTEST 0191 dumped to file 9 of tape RL0070 on 07/18/96 at 01:20:52
33. WANTEST 0191 dumped to file 7 of tape RL0064 on 07/15/96 at 00:10:10
34. WANTEST 0191 dumped to file 10 of tape RL0057 on 07/11/96 at 00:09:56
35. WANTEST 0191 dumped to file 5 of tape RL0051 on 07/05/96 at 01:10:51
36. WANTEST 0191 dumped to file 15 of tape RL0045 on 07/04/96 at 00:53:19
37. WANTEST 0191 dumped to file 17 of tape RL0049 on 07/02/96 at 17:56:42
38. WANTEST 0191 dumped to file 10 of tape RL0049 on 07/01/96 at 01:16:10
39. WANTEST 0191 dumped to file 11 of tape RL0042 on 06/27/96 at 01:12:39
40. WANTEST 0191 dumped to file 6 of tape RL0035 on 06/24/96 at 01:10:03
41. WANTEST 0191 dumped to file 9 of tape RL0029 on 06/20/96 at 01:09:09
42. WANTEST 0191 dumped to file 7 of tape RL0021 on 06/17/96 at 01:07:58
43. WANTEST 0191 dumped to file 12 of tape RL0014 on 06/13/96 at 00:15:44
44. WANTEST 0191 dumped to file 7 of tape RL0007 on 06/10/96 at 01:09:35
45. WANTEST 0191 dumped to file 7 of tape RL0001 on 06/06/96 at 00:03:23
46. WANTEST 0191 dumped to file 17 of tape RL1217 on 06/04/96 at 11:19:35
47. WANTEST 0191 dumped to file 8 of tape RL0394 on 06/03/96 at 01:11:18
48. WANTEST 0191 dumped to file 11 of tape RL0387 on 05/30/96 at 01:10:18
49 ) WINTEST 0191 dumped to file 9 of tape RL0340 on 05/27/96 at 01:11:17
50 ) WINTEST 0191 dumped to file 10 of tape RL0371 on 05/23/96 at 01:13:46
51 ) WINTEST 0191 dumped to file 9 of tape RL0364 on 05/20/96 at 01:13:04
52 ) WINTEST 0191 dumped to file 9 of tape RL0357 on 05/16/96 at 00:04:15
53 ) WINTEST 0191 dumped to file 7 of tape RL0350 on 05/13/96 at 01:08:52
54 ) WINTEST 0191 dumped to file 2 of tape RL0344 on 05/09/96 at 00:07:27
55 ) WINTEST 0191 dumped to file 10 of tape RL0337 on 05/06/96 at 00:08:12
56 ) WINTEST 0191 dumped to file 13 of tape RL0330 on 05/02/96 at 00:07:33
57 ) WINTEST 0191 dumped to file 7 of tape RL0323 on 04/29/96 at 01:06:55
58 ) WINTEST 0191 dumped to file 10 of tape RL0316 on 04/25/96 at 01:08:51
59 ) WINTEST 0191 dumped to file 8 of tape RL0309 on 04/22/96 at 01:00:13
60 ) WINTEST 0191 dumped to file 6 of tape RL0302 on 04/18/96 at 00:02:09
61 ) WINTEST 0191 dumped to file 10 of tape RL0295 on 04/15/96 at 16:38:41
62 ) WINTEST 0191 dumped to file 2 of tape RL0280 on 04/11/96 at 00:03:04
63 ) WINTEST 0191 dumped to file 16 of tape RL0280 on 04/06/96 at 01:21:24
64 ) WINTEST 0191 dumped to file 3 of tape RL0274 on 04/04/96 at 01:07:56
65 ) WINTEST 0191 dumped to file 9 of tape RL3396 on 04/02/96 at 17:59:03
66 ) WINTEST 0191 dumped to file 12 of tape RL0267 on 04/01/96 at 01:09:54
67 ) WINTEST 0191 dumped to file 7 of tape RL0250 on 03/25/96 at 01:10:56
68 ) WINTEST 0191 dumped to file 11 of tape RL0253 on 03/25/96 at 01:10:56
69 ) WINTEST 0191 dumped to file 15 of tape RL0467 on 01/02/96 at 12:04:57
70 ) WINTEST 0191 dumped to file 67 of tape RL0771 on 10/03/95 at 11:20:54
71 ) WINTEST 0191 dumped to file 85 of tape RL1170 on 07/04/95 at 11:38:19
72 ) WINTEST 0191 dumped to file 87 of tape RL1231 on 04/04/95 at 12:00:35
73 ) WINTEST 0191 dumped to file 115 of tape RL3335 on 01/03/95 at 13:02:24
74 ) WINTEST 0191 dumped to file 93 of tape RL2558 on 10/04/94 at 11:00:51
75 ) WINTEST 0191 dumped to file 33 of tape RL3288 on 04/05/94 at 12:55:33
76 ) WINTEST 0191 dumped to file 30 of tape RL3102 on 01/05/94 at 14:12:42
77 ) WINTEST 0191 dumped to file 26 of tape RL2941 on 10/05/93 at 13:51:35
78 ) WINTEST 0191 dumped to file 41 of tape RL2691 on 07/06/93 at 10:26:20
79 ) WINTEST 0191 dumped to file 42 of tape RL1703 on 06/06/93 at 08:41:18
80 ) WINTEST 0191 dumped to file 44 of tape RL1934 on 01/05/93 at 10:32:08
81 ) WINTEST 0191 dumped to file 41 of tape RL1353 on 10/06/92 at 19:08:38
82 ) WINTEST 0191 dumped to file 28 of tape RL0668 on 07/07/92 at 13:05:26
83 ) WINTEST 0191 dumped to file 43 of tape RL0631 on 04/07/92 at 11:10:37

Which one of the above do you wish to restore?

( 1 - 84 , <CR>none )
Parse upper arg ip_addr file 'f' options
Say 'FGET received:' ip_addr file 'f' options
Address SPIRES "if $SELECT ="HEP" Then :Sel HEP//thr binlist sel binlist"

Parse var file fn ,f', ft .
If ft = '' then do /* attempt to initiate keyword search */
    EXECIO * DISKR' fn 'INDEX ( FINI'
    Exit Queued()
    End /* do */

If fn = 'DEFAULT' & ft = 'HTML' Then Do
    /* if this is a slac ip addr then get special defaults */
    If left(ip_addr,7) = '137.79.' Then fn = 'DEFAULTX'
End

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

'EXECIO * DISKR' fn ft 'f ( FINI'
Exit Queued()
<TITLE>binlist -- //slacvm</TITLE>

<H1>SLACVM BINLIST</H1>
Telephone and e-mail Directory</H1>

<DL>
  <DT><A NAME=0 HREF=http://slacvm.slac.stanford.edu:2783/FIND/binlist>Find</A>
  <DD>Find last-name, {first-name}
  <DT><A NAME=1 HREF=http://slacvm.slac.stanford.edu:2783/FIND/binlist.help>Help</A>
  <DD>Help with BINLIST
</DL>
HEP (High-Energy Physics) is a joint project of the SLAC and DESY Libraries. As of Jan 1992, it included more than 239,000 bibliographic records dating from 1974 to the present.

Current copies of HEP run under SPIRES at DESY, KEK, and Yukawa Inst. at Kyoto and are kept up to date by nightly updates via BITNET.

HEP is updated daily with new preprints received in the SLAC library and biweekly with new journal articles and conference proceedings papers indexed at the DESY Library. Input is also received via BITNET from CERN, Fermilab, KEK, Yukawa Inst. at Kyoto U., and SSCL (as of March 1990).

HEP includes all SLAC Library preprint and report holdings from 1974 (all SLAC items from 1962+) as well as all journal articles, conference papers, theses, etc. from the DESY High-Energy Physics Index, a comprehensive bibliography produced at our sister laboratory in Hamburg, Germany.

Here are some examples of typical searches:

- \texttt{FIND AUTHOR DORFAN, J.}
- \texttt{FIND TITLE BLACK HOLE* AND DATE AFTER 1988}
FILE: PROFILE EXEC  C2  Dated 03/06/92 15:45:58  From disk SPC491  PAGE 00001

/*********************/
/*
/* PROFILE EXEC - WNTTEST
/*
/*
/* George Crane, February 1992
/*
/*
/*********************/

'CP SPOOL CON START TO *
trace all
'FILEDEF SYSIN TERM (LOWCASE CHANGE PERM RECFM U LRECL 120'

QCONSOLE  /* Determine and set up for terminal type */
Pull ,contype ,
'DROPBUF 0'
If contype = 'DISC' Then Do
  Queue 'EXEC RUNDemo'
  'EXEC SPIRES NOPROF SECHO'
End
Return
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:

<table>
<thead>
<tr>
<th>Function</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Functions:</td>
<td></td>
</tr>
<tr>
<td>ALLDes</td>
<td>allows any search word(s)</td>
</tr>
<tr>
<td>FANDes</td>
<td>requires Family Description search word(s)</td>
</tr>
<tr>
<td>ITEMDes</td>
<td>requires Item Description search word(s)</td>
</tr>
<tr>
<td>ALLNum</td>
<td>requires Catalog Identifier number</td>
</tr>
<tr>
<td>FANNum</td>
<td>requires Catalog Identifier number</td>
</tr>
<tr>
<td>ITEMNum</td>
<td>requires Catalog Identifier number</td>
</tr>
<tr>
<td>SPCode</td>
<td>requires Spare Parts Code</td>
</tr>
</tbody>
</table>

PARM:

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

FANDes 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: FANDES 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: ITEMDDES 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

FANNum 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 604

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:

<table>
<thead>
<tr>
<th>Search Qualifier</th>
<th>Abbreviation</th>
<th>Example of Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>AND NOT</td>
<td>C-</td>
<td>PENCIL BLACK C-</td>
</tr>
<tr>
<td>OR</td>
<td>I</td>
<td>PENCIL BLACK I</td>
</tr>
<tr>
<td>STRING</td>
<td></td>
<td>STRING OLD</td>
</tr>
</tbody>
</table>

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 I PENCIL BLUE C- PENCIL MECH

See Note 4 for further information concerning search qualifiers.

CATALOG IDENTIFIER NUMBER:

-----------

For ALLDes and FAMDes 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
FAMILY (8 digits), such as 55200600.

Group 59 is too large a class to display and may therefore not be specified as a catalog identifier number.

Three or more digits may also be entered to further slice groupings, such as 553, or 552006.

Catalog Identifier Numbers may be entered with or without dashes or blanks separating Group, Class, Family, etc., such as 55-300-020, 55 300 020, 55300020.

For ITEMNUM Function:

In addition to the above, a complete catalog number, up to 14 digits, may be given, such as 5323000105, or 59301201981A002.

SPARE PARTS CODE:

The Spare Parts Code is an owner group identification code for spare parts maintained by SLAC Stores. This code may be used only with the SPCode function, and consists of 4 characters, such as A048, A099. Optionally, the first character, "A" may be omitted.

Note 1: GENERAL DESCRIPTION OF THE STORES CATALOG

The Stores Catalog contains descriptions of over 9000 stock items, including general stores items, metal stores items, and spare parts. All of these items are arranged or subdivided by group, class, family, and item, as follows:

55-300-020-06 LUMBER, FIRE-RETARDANT, CONST.GRADE 54S, 2X4 CONST.FIR

Description

ITEM: 2X4 CONST.FIR, FIRE RETARDANT
FAMILY: LUMBER, FIRE-RETARDANT, CONST.GRADE 54S
CLASS: [Fire Retardant Lumber and Plywood]
Thus, in the example above, the catalog group would be 55, the catalog class would be 55-300, the catalog family would be 55-300-020, and the catalog item or catalog stock number would be 55-300-020-06.

For spare parts, a 4 character suffix is included for both family and catalog items, such as 31-300-001-08A099.

Searchable descriptions exist at the FAMILY and ITEM levels. Notice from the above example that Lumber appears in the FAMILY description but not in the ITEM description, and that 2x4 and Fir appear only in the ITEM description and not the FAMILY description. Using ALLDes, FAMDes, or ITEMDes you can search both descriptions, or only family descriptions, or only item descriptions.

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 ALNum 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 ALNum 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 ALNum 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 get 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 VDC 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: VVDC 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 VVDC 15 21000 MFD.
SLAC Phone and E-mail directory search.

Use standard SPIRES search terms such as...

    find name addis
    find name crane
FILE:  FSEARCH    SAVEEXEC C1    Dated 02/27/92 13:20:42    From disk SPC491    PAGE 00001

/ * i. 
Trac m
Arg : com ' ( ' options
parse var options subfile
  upper subfile
Queue ' ( 'PLAINTEXT ' ) '
Parse var com . token1 rest
  if Abbrev('FIND',token1,3) = 0 then temp = 'FIND 'token1 rest
  else temp = token1 rest
Say temp ' ( 'options
  if subfile = 'HEP' then Address SPIRES 'set path 'subfile
  Else address SPIRES 'Set primary path'
  If subfile = 'BINLIST' then using = 'QSPIRES'
  Else using = 'BRIEF'
  Address SPIRES temp
Address SPIRES '/CMDSTACK LIFD $RESULT $RESULT $RESNAME'
Parse Pull zresult result resname .
'REXDUMP'
  If zresult = 0 then Do
    Queue 'Found 'result resname ' ...'
    Address SPIRES 'IN ACT CLN CLR USING 'using' TYPE'
    'EXECIO = DISKR ACTIVE FILE A (FINIS'
  End
Else Queue 'No records found which match search criteria'
/ *
  'EXEC QSPIRES' temp ' ( 'STACK NOSTAR OUTPUT TYPE BRIEF '
/ *
Exit Queued()
More on the XCOMPARE Command

The XCOMPARE command is used to compare two CMS disk files of fixed- or variable-length format on a record-for-record basis and report dissimilar records at the terminal, on disk, or on the virtual printer. XCOMPARE can also be used to produce an update file in CMS format or to generate "change bar" information. XCOMPARE is more flexible and powerful than IBM's COMPARE command (Cornell MODULE).

For a description of XCOMPARE's parameters and options and some examples of its use, enter HELP XCOMPARE. This memo contains more detailed information about "Version 2 Enhancements and Fixes," "Writing Exit Routines," "Algorithm," "Synchronization File," and "History."

Version 2 Enhancements and Fixes:

1. XCOMPARE provides for user exit routines.
2. Initialization has been rewritten to reduce paging when comparing large files.
3. If the files contain no matching records, the complete contents of both files are no longer printed; only the message FILES CONTAIN NO MATCHING RECORDS is issued.
4. The message UNABLE TO RESYNCHRONIZE - INCREASE STORAGE has been reworded to TOO MANY CONSECUTIVE UNEQUAL RECORDS - TRY INCREASING VIRTUAL STORAGE and is no longer issued for short files which contain no matching records.
5. The bug involving garbage at the end of lines has been fixed.
6. The SYNCOUNT option has been added.
7. The default filetype for fileid2 is now = rather than SYSUT2.

Writing Exit Routines:

A user exit routine must be written in ASSEMBLER language and be of the following format:

```
SANYNAME COMPEXDS ,
OPEN
... B RETURN
OPEN all files and allocate all storage
CLOSE
... B RETURN
CLOSE all files and release all storage
F1
... B RETURN
Process record in file 1 only
F2
... B RETURN
Process record in file 2 only
F12
... B RETURN
Process record in both file 1 and 2
END
```

To write your own exit routine, refer to the two sample exit routines provided ($BARSCR ASSEMBLE and $BARMEMO ASSEMBLE) and the COMPEXDS macro in XCOMPARE MACLIB. These files are part of the XCOMPARE distribution package.

Algorithm:
This program reads the entire synchronization control file (synch file) and as much as possible of both files to be compared into storage. Assume that the records of the two files to be compared are designated as follows:

Records from file 1: A1, A2, A3, A4, etc.
Records from file 2: B1, B2, B3, B4, etc.

Assume that a mismatch is discovered when records A1 and B1 are compared. The program attempts to resynchronize (find a pair of identical records) by making the following sequence of comparisons:

A2 to B1,
B2 to A1, B2 to A2,
A3 to B1, A3 to B2,
B3 to A1, B3 to A2, B3 to A3,
A4 to B1, A4 to B2, A4 to B3,
B4 to A1, B4 to A2, B4 to A3, B4 to A4,

When a tentative match is found, the synch file is searched to determine whether the matching records are considered frequently recurring and insignificant (such as ".SP 1" in SCRIPT files). If this is the case, subsequent records in the two files are examined until the tentative match can be confirmed (by a match which is not in the synch file) or rejected (by a mismatch). After such a mismatch, the interrupted sequence of comparisons described above is resumed. See "Synchronization File" below for an example of the use of synchronization control files.

Synchronization File:

The effect of using a synch file can be illustrated by the following:

File 1:
- The first part is the same.
  
  .SP 1
  This part is inserted.
  .SP 1
  This part is also the same.
  .SP 1
  This is the conclusion.

File 2:
- The first part is the same.
  
  .SP 1
  This part is also the same.
  .SP 1
  This is the conclusion.

Without the synch file, "This part is also the same." and "This is the conclusion." will erroneously be identified as non-matching records from both files. The use of the synch file eliminates this problem. An alternative algorithm which is reportedly used by an IBM Program Product could be more efficient for certain types of problems. First, a sequence number is appended to each record of each file, and each file is sorted by context. Then, the sorted files are processed to identify inserted, deleted, and changed records. Finally, the files are sorted again, this time by sequence number, so that the mismatched records can be reported to the user. This approach has a relatively high fixed overhead (two sorts), and would probably be more efficient only for files which
have large numbers of consecutive inserted, deleted, or changed records.

History:

What is now known to users of the Waterloo VM Mods Tape, members of the HEPVMx* collaboration, and others as the CMS XCOMPARE command was originally written as COMPAR in 1975 by Herbert S. Weiner (then of Cornell University) to replace the IBM CMS COMPAR command. This was Herb's second implementation of a COMPAR command, the first being written in 1973/4 to compare old and new OS/MVT Stage-1 SYSGEN output to see the steps really needed for a new SYSGEN. Herb's CMS command has proven to be very popular, migrating around the world under various names, including, to my knowledge: COMPAR (University of Waterloo), XCOMPARE (Cornell University, Rutherford Appleton Laboratory, CERN, Princeton University, and, starting in 1992, SLAC), SCOMPARE (Amchul), FCOMPARE (Weizmann Institute of Science), CCOMPARE (University of California San Francisco), SU-COMPR (Syracuse University), CMP (University of Glasgow), and DIFFER (previously SLAC, BNL, and in 1991/2 the most recent version at CERN).

In a letter dated March 29, 1978, Herb contributed the code under the name COMPAR to the VM User Modifications Library, managed by Canada's University of Waterloo. This library is more frequently known as the Waterloo VM Mods Tape and contains shared free software for use by anyone in the VM community who wants it. The program first appeared on the Release 3 tape as M0107V00 (dated 4/11/78). The same version of COMPAR (now dated 10/2/78) appeared on at least one version of the following tapes: Release 5 as M0066V00, Release 6 as M0011V00, Release SP 1 as M0005V00, Release SP 2 as M0004V00, and Release SP 2/3 as M0004V00. (There apparently was no Release 4 tape.) Herb's COMPAR was about the earliest contribution to be "release independent." This version already included Larry Brenner's LISTALL option.

Because of user confusion with IBM's COMPAR command, Cornell renamed Herb's COMPAR command to XCOMPARE, probably around 1978.

Herb's command was first retrieved at SLAC from the Waterloo Mods Tape (Release 5 M0066V00) by Dick Johnson (02/02/79), who renamed it DIFFER, likewise to avoid confusion with IBM's COMPAR command.

David Asbury, then of Rutherford Appleton Laboratory, also extracted COMPAR from the Waterloo Mods Tape and generated fixes over the years. When David moved to CERN in 1984, he took the code with him. At some point he independently renamed the command XCOMPARE, again to reduce user confusion. His version was subsequently put on the HEPVM shared-code tape.

In Great Britain information about the Waterloo VM Mods Tape (and VMSHARE) was spread by the influential, SEAS-related VM/370 Regional Committee (UK and Ireland). Around 1981 Dr. A. P. (Tony) Conway, System Manager of the High Energy Physics Group's IBM computer in the Department of Natural Philosophy at the University of Glasgow, retrieved Herb's COMPAR command from the Waterloo tape. Conway named it CMP -- again, something different from IBM's
name. That system used an XCOMPARE MODULE dated 11/18/81 until May, 1992. When Conway moved to the central University Computing Service, he took the '81 MODULE with him, where it is still in production.

In 1983 SLAC installed Version 2 of DIFFER (11/11/80), which included a major functional update, the bulk of which was written by Herb Weiner before he left Cornell for Tektronix in April, 1978. New capabilities included user exit routines and the SYNCOUNT option. SLAC's Version 2 also included Bob Cook's addition of the revision code number and character to the RC exit-option of the $BARSRC option (10/22/83) and some fixes.

Around 1985 and a couple of times since, SLAC and Cornell resynchronized mods, although the organizations maintained their two names for the command, DIFFER and XCOMPARE, for many years.

On February 20, 1980, Herb submitted his updated COMPARE to Waterloo for the Release 6 (and 5) tapes. The revised package apparently never made it onto the tape or appeared there only briefly. So far as I've been able to trace, the original version (first dated 4/11/78, then 10/2/78) continued to be distributed on the Waterloo Tape till 1987. Then Paul Zarnowski submitted the SLAC/Cornell Version 2 code under the name XCOMPARE (see Release SP 3/4 tape M0116V00, source dated 4/8/87). This version appears on the Waterloo Mods Tape through VM/XA (Release SP 3/4/5/6 and VM XA SP M0116V00, tape dated May, 1990).

In 1991 HEPVMx asked to add SLAC's DIFFER Version 2 to the HEPVMx tape (previously known as the HEPVM tape). This request resulted in SLAC and Cornell resynchronizing again, Cornell agreeing to serve as the central fix-collection site, and SLAC renaming its DIFFER command to XCOMPARE for consistency with the predominant name. In 1992 this unified, enhanced version of XCOMPARE was installed at SLAC and Cornell and replaced the CERN version on the HEPVMx tape. It was also sent to the June, 1992, VM Workshop for distribution on its tape.

Wendy Alberg contributed the unified version to the Waterloo Tape. Enhancements to the 1987 version (M0116V00) affected both documentation and code. The XCOMPARE HELP/CM and MEMO files were significantly expanded over the previous XCOMPARE HELP/CM file, and there were three new fixes: CU522V00 for CMSUPD RECFM V support, CU528V00 for Herb's current address, and CU544V00 for renaming the default files to XCOMPARE LISTING and XCOMPARE CNTRL from COMPARE; the previous mods were also renamed (when Cornell went to VM/XA SP).

Over the years I know of the following people who have been involved in the creation or maintenance of COMPARE/XCOMPARE/DIFFER/...:

- HSW  Herbert S. Weiner, sometime Cornell University, sometime Tektronix, Kitchen Wisdom Publishing Co.
- DXJ  Richard H. Johnson, sometime SLAC, IBM
- RSM  Roy S. Miller, sometime SLAC
- RC, RZC  Robert Cook, SLAC
The code and documentation for Herb's COMPARE/XCOMPARE/DIFFER/... command is not copyrighted and is in the public domain. Herb prefers that the source be distributed with the executable code.

Herb Weiner wrote the "Version 2 Enhancements and Fixes," "Writing Exit Routines," "Algorithm," and "Synchronization File" sections in this document (XCOMPARE MEMO); Joan Winters, the "History." Thanks go to Herb Weiner, Wendy Alberg, Melinda Varian, David Asbury, Mike Borkowski, Larry Brenner, Alan Flavell, Larry Chace, Bob Cowles, Nick Gimbrone, Sverre Jarp, Andrew Sansum, Yossie Silverman, Jan Wilson, and others for helping to determine the facts. Any errors of omission or commission are my own. If you know more about COMPARE/XCOMPARE/DIFFER/...'s peregrination around the world, send the tales to me (WINTERS@SLACVM.SLAC.Stanford.EDU). I may even include them in some future iteration of this history.

* HEPVMx is the High Energy Physics VM with UNIX collaboration. Members include a number of major research laboratories and university groups involved in High Energy Physics (HEP) in Europe and the United States. Of the institutions mentioned in this history, Stanford Linear Accelerator Center (SLAC) in California, Rutherford Appleton Laboratory in England, the European Organization for Nuclear Research (CERN) in Switzerland, Brookhaven National Laboratory (BNL) in New York, and the Department of Physics and Astronomy (previously the Department of Natural Philosophy) at the University of Glasgow in Scotland are members.

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The VM/370 Regional Committee (UK and Ireland), also known as the UK VM User Group, was chaired by a person from a SEAS member institution and included representatives from IBM. Otherwise anyone interested could join. In 1982 the membership of the steering committee was Steve Tunstall (Chairman), Stuart McRae (Secretary), Roger Evans, Martin Barker, Geoff Cox, Malcolm Bradley, and Iain Stinson (Members), and Adrian Walmsley and
Barry Mawer (IBM Representatives). See the "VM/370 UK User Group Directory of Members" (1982).

SEAS is the SHARE European Association (renamed in 1989 to SHARE Europe), a user group for European organizations with large IBM computer systems.

June, 1992
FILE: WINTERS  JCM091  61  Dated 11/08/96  12:24:34  From disk SPC592  PAGE 00001

****====================================================================================================*
****
**** Start execution of JCM091 for WINTERS, class S.  
**** Execution begins at 12:16:14 on 8 Nov 1996 in BATCH03A at SLACVM. 
**** Submitted at 12:14:07 on 8 Nov 1996 for WINTERS at SLACVM. 
**** Running CURCHS, mode 4A, storage = 4096K, time limit = 2 minutes. 
**** Max print = 10K lines, max punch = 10K cards. 
****
****====================================================================================================*

----> Execute "RSC0192"

** RECOVER W4M 192 to TDISK **
DASD 0555 DEFINED
TAPE 0120 ATTACHED TO BATCH03A 0181
TAPE 0181 ON DEV 0120 SURCH = 00000
INTREQ100I 12:14:15 Mounting volume RL1304 on device 181, SL NoRing
INTVER100I 12:14:46 Volume RL1304 on device 181 has been verified
Rewind complete
RESTORING W4M192
DATA DUMPED 07/07/92 AT 23.26.01 GMT FROM W4M192 RESTORED TO SCRATCH
INPUT CYLINDER EXTENTS OUTPUT CYLINDER EXTENTS
START STOP START STOP
0000 0009 0000 0009
END OF RESTORE
END OF JOB
12:16:06  MSG FROM VMSETUP: VMSCAN001I VMSETUP REQUEST FOR WINTERS JCM091 WILL BE CANCELLED
TAPE 0181 DETACHED BY VMSETUP
CARD DUMP BINLIST HTML Z0
PUN FILE 0592 SENT TO WINTERS RDR AS 6160 RECS 0007 CPY 001 Y NOHOLD NOKEEP
CARD DUMP BINLIST HELP Z1
PUN FILE 0593 SENT TO WINTERS RDR AS 6161 RECS 0004 CPY 001 Y NOHOLD NOKEEP
CARD DUMP BINLIST HTML Z1
PUN FILE 0594 SENT TO WINTERS RDR AS 6162 RECS 0006 CPY 001 Y NOHOLD NOKEEP
CARD DUMP BINLIST INDEX Z1
PUN FILE 0595 SENT TO WINTERS RDR AS 6163 RECS 0004 CPY 001 Y NOHOLD NOKEEP
CARD DUMP BINLIST 18HTML Z0
PUN FILE 0596 SENT TO WINTERS RDR AS 6164 RECS 0006 CPY 001 Y NOHOLD NOKEEP
CARD DUMP DEFAULT 18HTML Z0
PUN FILE 0597 SENT TO WINTERS RDR AS 6165 RECS 0007 CPY 001 Y NOHOLD NOKEEP
CARD DUMP DEFAULT HTML Z1
PUN FILE 0598 SENT TO WINTERS RDR AS 6166 RECS 0007 CPY 001 Y NOHOLD NOKEEP
CARD DUMP DEFAULTX HTML Z0
PUN FILE 0599 SENT TO WINTERS RDR AS 6167 RECS 0008 CPY 001 Y NOHOLD NOKEEP
CARD DUMP DEFAULTX HTML Z1
PUN FILE 0600 SENT TO WINTERS RDR AS 6168 RECS 0008 CPY 001 Y NOHOLD NOKEEP
CARD DUMP DUMMY FILE Z1
PUN FILE 0601 SENT TO WINTERS RDR AS 6169 RECS 0002 CPY 001 Y NOHOLD NOKEEP
CARD DUMP FGET AEXEC Z0
PUN FILE 0602 SENT TO WINTERS RDR AS 6170 RECS 0013 CPY 001 Y NOHOLD NOKEEP
CARD DUMP FGET EXEC Z2
PUN FILE 0603 SENT TO WINTERS RDR AS 6171 RECS 0015 CPY 001 Y NOHOLD NOKEEP
CARD DUMP FGET 12EXEC Z0
PUN FILE 0604 SENT TO WINTERS RDR AS 6172 RECS 0013 CPY 001 Y NOHOLD NOKEEP
CARD DUMP FGET 2AEXEC Z0
PUN FILE 0605 SENT TO WINTERS RDR AS 6173 RECS 0011 CPY 001 Y NOHOLD NOKEEP
CARD DUMP FHADJD HTML Z0
PUN FILE 0606 SENT TO WINTERS RDR AS 6174 RECS 0019 CPY 001 Y NOHOLD NOKEEP
CARD DUMP FHADJD HTML Z1
PUN FILE 0607 SENT TO WINTERS RDR AS 6175 RECS 0019 CPY 001 Y NOHOLD NOKEEP
CARD DUMP FHBNFDT HTML Z0
PUN FILE 0608 SENT TO WINTERS RDR AS 6176 RECS 0029 CPY 001 Y NOHOLD NOKEEP
CARD DUMP FHBNFDT HTML Z1
PUN FILE 0609 SENT TO WINTERS RDR AS 6177 RECS 0029 CPY 001 Y NOHOLD NOKEEP
CARD DUMP FHDBASE HTML Z0
PUN FILE 0610 SENT TO WINTERS RDR AS 6178 RECS 0028 CPY 001 Y NOHOLD NOKEEP
CARD DUMP FHDBASE HTML Z1
PUN FILE 0611 SENT TO WINTERS RDR AS 6179 RECS 0028 CPY 001 Y NOHOLD NOKEEP
CARD DUMP FHEDITOR HTML Z0
PUN FILE 0612 SENT TO WINTERS RDR AS 6180 RECS 0022 CPY 001 Y NOHOLD NOKEEP
CARD DUMP FHEDITOR HTML Z1
PUN FILE 0613 SENT TO WINTERS RDR AS 6181 RECS 0022 CPY 001 Y NOHOLD NOKEEP
CARD DUMP FHFTP HTML Z0
PUN FILE 0614 SENT TO WINTERS RDR AS 6182 RECS 0018 CPY 001 Y NOHOLD NOKEEP
CARD DUMP FHFTP HTML Z1
PUN FILE 0615 SENT TO WINTERS RDR AS 6183 RECS 0018 CPY 001 Y NOHOLD NOKEEP
CARD DUMP FHGET EXEC Z0
PUN FILE 0616 SENT TO WINTERS RDR AS 6184 RECS 0085 CPY 001 Y NOHOLD NOKEEP
CARD DUMP FHGET EXEC Z2
PUN FILE 0617 SENT TO WINTERS RDR AS 6185 RECS 0088 CPY 001 Y NOHOLD NOKEEP
CARD DUMP FHIMPL HTML Z0
PUN FILE 0618 SENT TO WINTERS RDR AS 6186 RECS 0010 CPY 001 Y NOHOLD NOKEEP
CARD DUMP FHIMPL HTML Z1
PUN FILE 0619 SENT TO WINTERS RDR AS 6187 RECS 0010 CPY 001 Y NOHOLD NOKEEP
CARD DUMP FHMAIN HTML Z0
PUN FILE 0620 SENT TO WINTERS RDR AS 6188 RECS 0031 CPY 001 Y NOHOLD NOKEEP
CARD DUMP FHMAIN HTML Z1
PUN FILE 0621 SENT TO WINTERS RDR AS 6189 RECS 0031 CPY 001 Y NOHOLD NOKEEP
CARD DUMP FHNARROW HTML Z0
PUN FILE 0622 SENT TO WINTERS RDR AS 6190 RECS 0012 CPY 001 Y NOHOLD NOKEEP
CARD DUMP FHNARROW HTML Z1
PUN FILE 0623 SENT TO WINTERS RDR AS 6191 RECS 0012 CPY 001 Y NOHOLD NOKEEP
CARD DUMP FHREF1 HTML Z0
PUN FILE 0624 SENT TO WINTERS RDR AS 6192 RECS 0006 CPY 001 Y NOHOLD NOKEEP
CARD DUMP FHREF1 HTML Z1
PUN FILE 0625 SENT TO WINTERS RDR AS 6193 RECS 0006 CPY 001 Y NOHOLD NOKEEP
CARD DUMP FHSCRIPT HTML Z0
PUN FILE 0626 SENT TO WINTERS RDR AS 6194 RECS 0016 CPY 001 Y NOHOLD NOKEEP
CARD DUMP FHSCRIPT HTML Z1
PUN FILE 0627 SENT TO WINTERS RDR AS 6195 RECS 0016 CPY 001 Y NOHOLD NOKEEP
CARD DUMP FHSEARCH EXEC Z0
PUN FILE 0628 SENT TO WINTERS RDR AS 6196 RECS 0021 CPY 001 Y NOHOLD NOKEEP
CARD DUMP FHSEARCH EXEC Z1
PUN FILE 0629 SENT TO WINTERS RDR AS 6197 RECS 0021 CPY 001 Y NOHOLD NOKEEP
CARD DUMP FHSPIRES HTML Z0
PUN FILE 0630 SENT TO WINTERS RDR AS 6198 RECS 0016 CPY 001 Y NOHOLD NOKEEP
CARD DUMP FHSPIRES HTML Z1
PUN FILE 0631 SENT TO WINTERS RDR AS 6199 RECS 0016 CPY 001 Y NOHOLD NOKEEP
CARD DUMP FHSUBJS HTML Z0
PUN FILE 0632 SENT TO WINTERS RDR AS 6200 RECS 0029 CPY 001 Y NOHOLD NOKEEP
FILE: WINTERS JCH091 61 Dated 11/08/96 12:24:34 From disk SPCS92 PAGE 00005

/*FSSEARCH EXEC Z1 V 72 79 1 5/10/92 11:33:24 MM1992
FSSEARCH IEEXEC Z0 V 72 70 1 4/30/92 14:20:39 MM1992
FSSEARCH IEEXEC Z0 V 69 63 1 3/18/92 16:01:08 MM1992
HEP ILETHL Z0 V 73 9 1 3/09/92 11:36:45 MM1992
HEP ILETHL Z1 V 70 9 1 3/06/92 15:47:24 MM1992
HEP ILETHL Z1 V 78 55 1 4/30/92 14:17:23 MM1992
HEP ILETHL Z1 V 70 51 1 2/27/92 13:26:11 MM1992
HEP ILETHL Z1 V 78 51 1 5/11/92 11:09:02 MM1992
HEP ILETHL Z1 V 65 34 1 5/11/92 10:38:45 MM1992
HEP ILETHL Z1 V 65 34 1 5/11/92 10:30:45 MM1992
HEP ILETHL Z1 V 65 34 1 5/11/92 10:30:45 MM1992
HEP ILETHL Z1 V 65 34 1 5/11/92 10:30:45 MM1992
*/

/*RUNDAEMO EXEC Z1 V 74 21 32 12/05/91 16:03:14 MM1992
RUNDAEMO EXEC Z0 V 65 21 1 9/19/91 14:19:57 MM1992
RUNDAEMO EXEC Z1 V 65 21 1 4/30/92 14:25:40 MM1992
RUNDAEMO EXEC Z1 V 65 21 1 4/30/92 14:25:40 MM1992
RUNDAEMO EXEC Z1 V 65 21 1 11/06/91 17:03:09 MM1992
RUNDAEMO EXEC Z1 V 65 21 1 1/30/92 10:41:55 MM1992
RUNDAEMO EXEC Z1 V 65 21 1 4/30/92 14:17:45 MM1992
*/

/*SPRING EXEC Z0 V 74 9 43 12 11/12/91 15:59:13 MM1992
SPRING EXEC Z0 V 76 10 76 10 1/30/92 11:36:54 MM1992
SPRING EXEC Z1 V 61 10 61 10 3/05/92 10:43:26 MM1992
SPRING EXEC Z1 V 61 10 61 10 3/05/92 10:43:26 MM1992
WISH LIST Z1 F 80 16 80 16 3/04/92 15:31:24 MM1992
WISH LIST Z1 F 80 16 80 16 3/04/92 15:31:24 MM1992
WISH LIST Z1 F 80 16 80 16 3/04/92 15:31:24 MM1992
WISH LIST Z1 F 80 16 80 16 3/04/92 15:31:24 MM1992
*/

/*#ASS FILES Z1 F 79 114 25 26 5/28/92 11:30:46 MM1992
#ASS FILES Z1 F 79 114 24 25 5/28/92 11:30:46 MM1992
#ASS FILES Z1 F 79 114 24 25 5/28/92 11:30:46 MM1992
#ASS FILES Z1 F 79 114 24 25 5/28/92 11:30:46 MM1992
*/

*/

/*#ASS INSTSVAR Z2 V 18 6 1 4/29/92 16:29:44 MM1992
#ASS INSTSVAR Z2 V 18 6 1 4/29/92 16:29:44 MM1992
#ASS INSTSVAR Z2 V 18 6 1 4/29/92 16:29:44 MM1992
#ASS INSTSVAR Z2 V 18 6 1 4/29/92 16:29:44 MM1992
*/

/*#ASS LASTNEWS Z2 V 26 1 1 5/30/92 11:29:16 MM1992
#ASS LASTNEWS Z2 V 26 1 1 5/30/92 11:29:16 MM1992
#ASS LASTNEWS Z2 V 26 1 1 5/30/92 11:29:16 MM1992
#ASS LASTNEWS Z2 V 26 1 1 5/30/92 11:29:16 MM1992
*/

/*#ASS NEWSLIST Z2 V 71 2 1 4/23/92 16:02:17 MM1992
#ASS NEWSLIST Z2 V 71 2 1 4/23/92 16:02:17 MM1992
#ASS NEWSLIST Z2 V 71 2 1 4/23/92 16:02:17 MM1992
#ASS NEWSLIST Z2 V 71 2 1 4/23/92 16:02:17 MM1992
*/

#ASS OWNERS Z2 V 27 24 1 5/28/92 11:20:12 MM1992
#ASS OWNERS Z2 V 27 24 1 5/28/92 11:20:12 MM1992
#ASS OWNERS Z2 V 27 24 1 5/28/92 11:20:12 MM1992
*/

#ASS STAFF Z1 F 80 6 1 4/29/92 13:14:09 MM1992
#ASS STAFF Z1 F 80 6 1 4/29/92 13:14:09 MM1992
#ASS STAFF Z1 F 80 6 1 4/29/92 13:14:09 MM1992
#ASS STAFF Z1 F 80 6 1 4/29/92 13:14:09 MM1992

----> Batch return code = 0.

----> System cleanup $BCLEAN.

**********************************************************************************************
# End execution of JCH091 for WINTERS at 12:16:11 on 08/11/96.
# Actual CPU time (mm:ss,th): Virtual = 0:00.50 , Total = 0:01.28
# I/O counts: SID=000672 DDR=000000 PRT=000283 PCH=002911
# Space used on A-disk at job end: 46K
# I/O counts on units still available
# Spool units
# 0009: 199 000C: 0 000D: 93 000E: 0
# 00AE: 0
# Dass units
# 0190(S): 34 0191(A): 100 019E(Y): 37 0555(Z): 257
# 059E(T): 12 059F(U): 6 05A0(V): 27 05A1(R): 18
**********************************************************************************************
<table>
<thead>
<tr>
<th>Number</th>
<th>Description</th>
<th>Date/Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>WNN 0192 dumped to file 37 of tape RL0246 on 11/04/96 at 02:20:42</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>WNN 0192 dumped to file 9 of tape RL0259 on 10/28/96 at 02:41:36</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>WNN 0192 dumped to file 15 of tape RL0271 on 10/16/96 at 02:15:23</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>WNN 0192 dumped to file 21 of tape RL0221 on 10/21/96 at 02:11:20</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>WNN 0192 dumped to file 30 of tape RL0209 on 10/20/96 at 02:15:23</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>WNN 0192 dumped to file 54 of tape RL0190 on 10/07/96 at 02:03:55</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>WNN 0192 dumped to file 52 of tape RL0072 on 10/02/96 at 15:08:31</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>WNN 0192 dumped to file 27 of tape RL0191 on 09/30/96 at 02:14:15</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>WNN 0192 dumped to file 37 of tape RL0186 on 09/26/96 at 01:42:04</td>
<td></td>
</tr>
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**Files for WMM program**

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updated files

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11May92 12:02:35 TONYJ OWN FH* EXEC
11May92 12:02:45 TONYJ OWN HL* HTML
11May92 12:03:02 TONYJ ADD FH* *
FHADD1NG HTML H1 MASTEST 0192
FHBENE1FI HTML H1 MASTEST 0192
FHDBASE HTML H1 MASTEST 0192
FHEEDITOR HTML H1 MASTEST 0192
FHTFTP HTML H1 MASTEST 0192
FHEGET EXEC H2 MASTEST 0192
FHEIMPL HTML H1 MASTEST 0192
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FHREFI HTML H1 MASTEST 0192
FHSCRI HTML H1 MASTEST 0192
FHSVEARCH EXEC H1 MASTEST 0192
FHSIPIRES HTML H1 MASTEST 0192
FHSUBJ5 HTML H1 MASTEST 0192

Promoted from MASTEST
11May92 12:04:01 TONYJ ADD HL* *
HLMAIN HTML H1 MASTEST 0192
HLSTEER HTML H1 MASTEST 0192

Promoted from MASTEST
11May92 12:04:25 TONYJ REP FGET EXEC H MASTEST 0192
Contains FreeHEP escape
11May92 12:04:50 TONYJ REP FSEARCH EXEC H MASTEST 0192
Contains FreeHEP escape
17May92 19:45:50 TONYJ REP FH* HTML H
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HL* HTML H
HLMAIN HTML H1 MASTEST 0192
HLSTEER HTML H1 MASTEST 0192

17May92 19:46:06 TONYJ REP FH* EXEC H
FHGET EXEC H2 MASTEST 0192
FSEARCH EXEC H1 MASTEST 0192
WISH LIST

17May92 19:46:25 TONYJ REP FH* EXEC H
FHGET EXEC H2 MASTEST 0192
FSEARCH EXEC H1 MASTEST 0192
WISH LIST

28May92 11:15:37 BEBO OWN MISH LIST
28May92 11:19:39 BEBO DISOWN MISH LIST
20May92 11:19:56 BEBO OWN MISH LIST FOR ANYBODY
Wish list of MMM questions/concerns for Bebo to investigate/work on while at CERN. Items are NOT prioritized! MMM 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.