

HP 3000

SAVING LOST DATA



- ☐ Types of data
- ☐ How can data be saved
- ☐ directory structure
- ☐ File structure
- ☐ What can be saved
- ☐ How can it be saved
- ☐ Supported utilities
- ☐ Unsupported utilities
- ☐ Examples

TYPES OF DATA

- Disc Files
- Tape Files
- Supporting information

HOW CAN DATA BE LOST

- Human Error
- Software Error
- Hardware Error



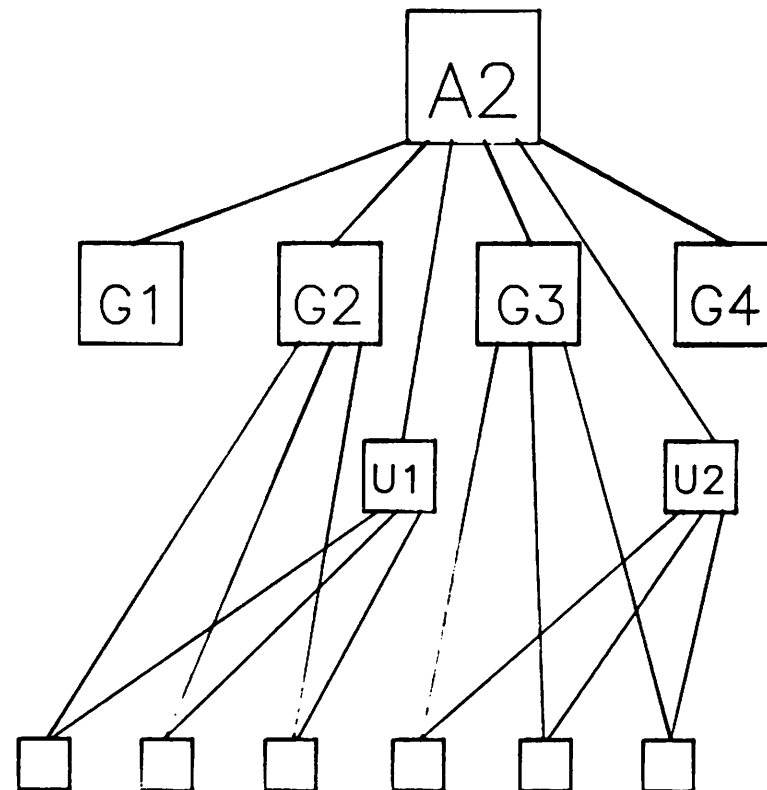
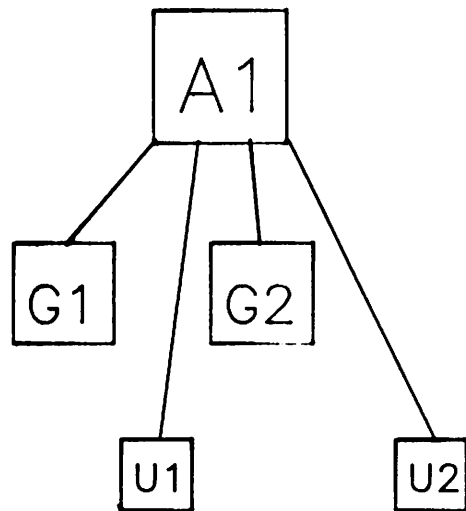
THE DIRECTORY

- What is it
- Why does it exist
- How does it work
- Why do we care

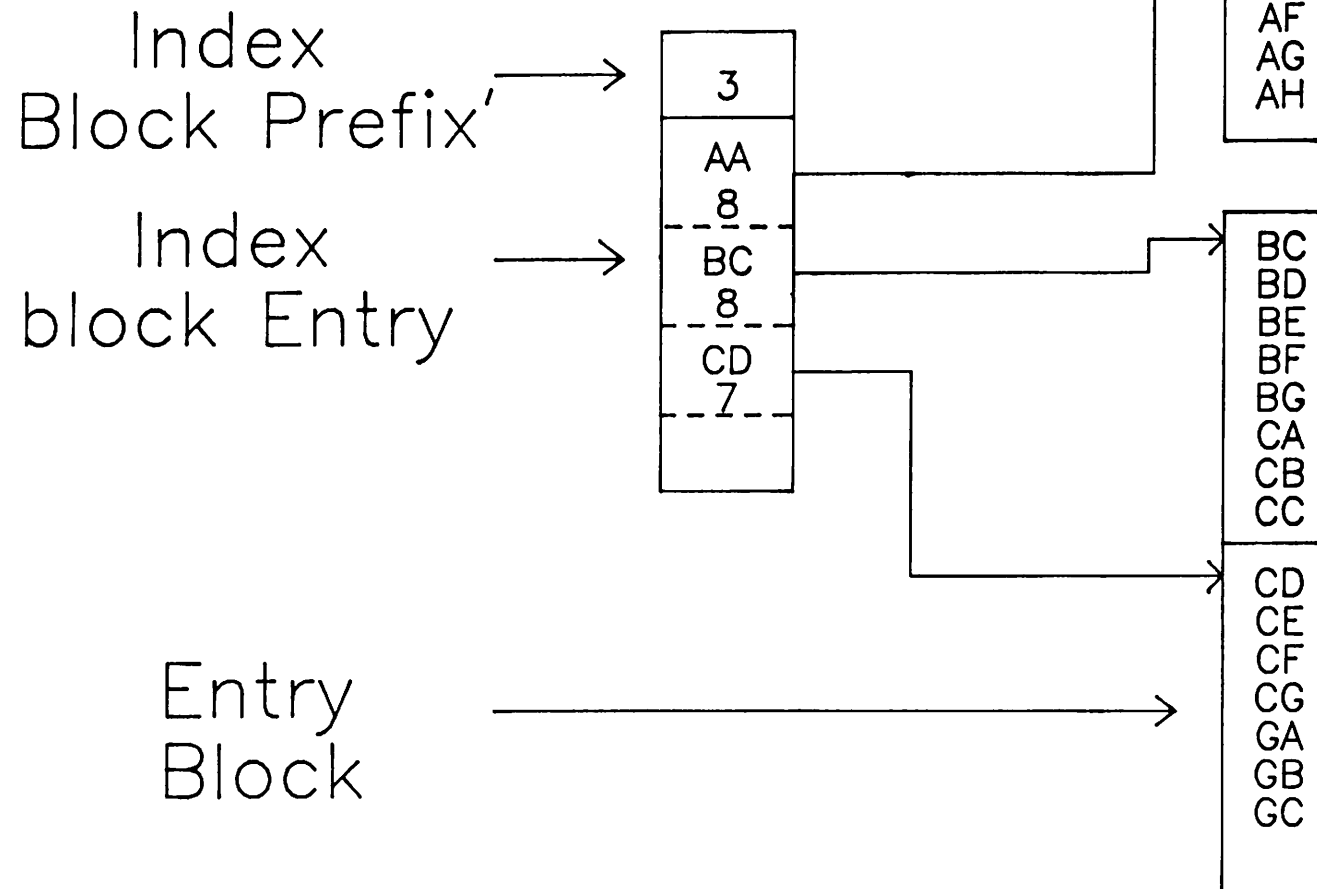
Reference:
System Tables Ref. Manual
(32002-90003)

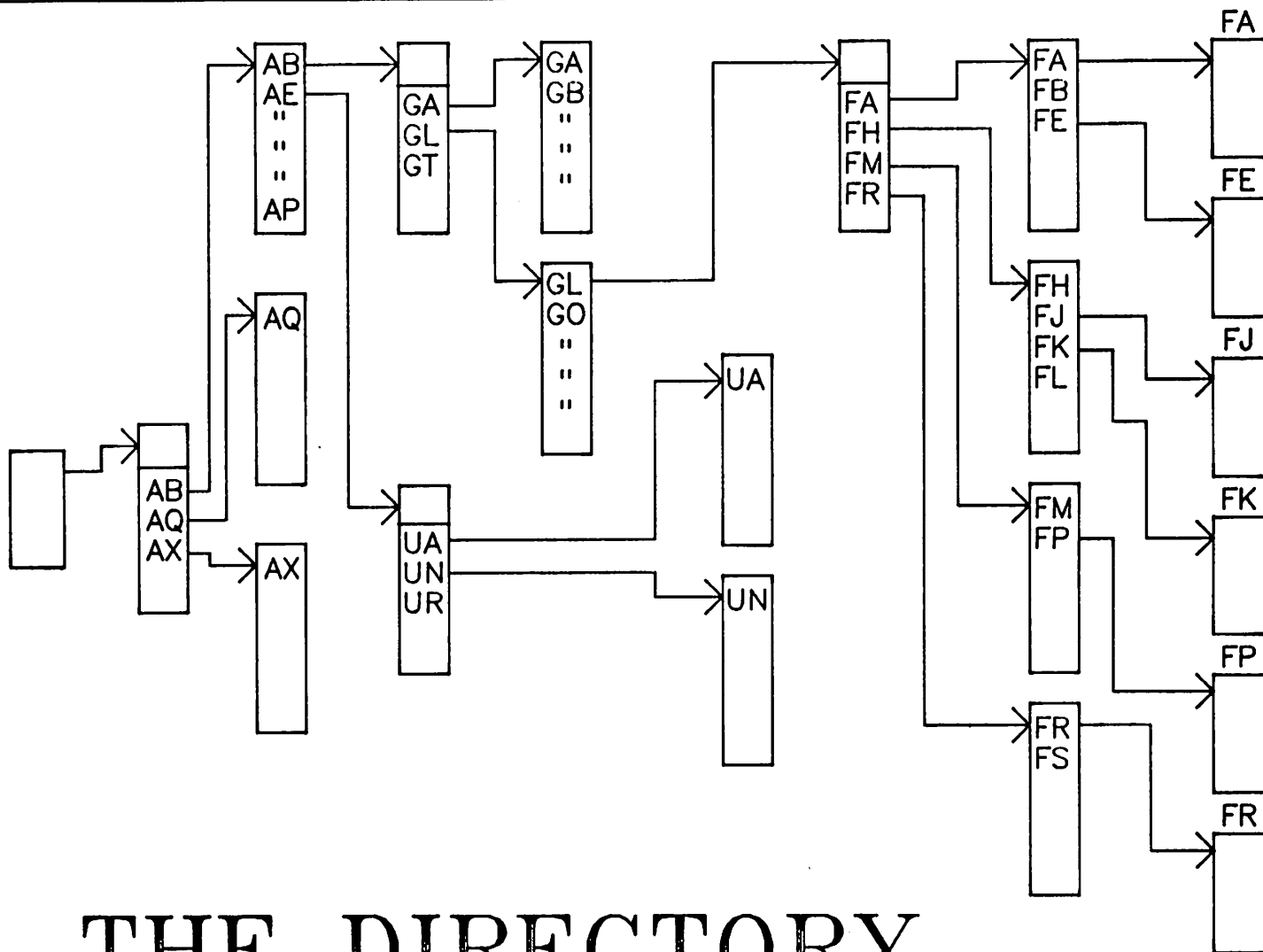


ACCOUNTING STRUCTURE



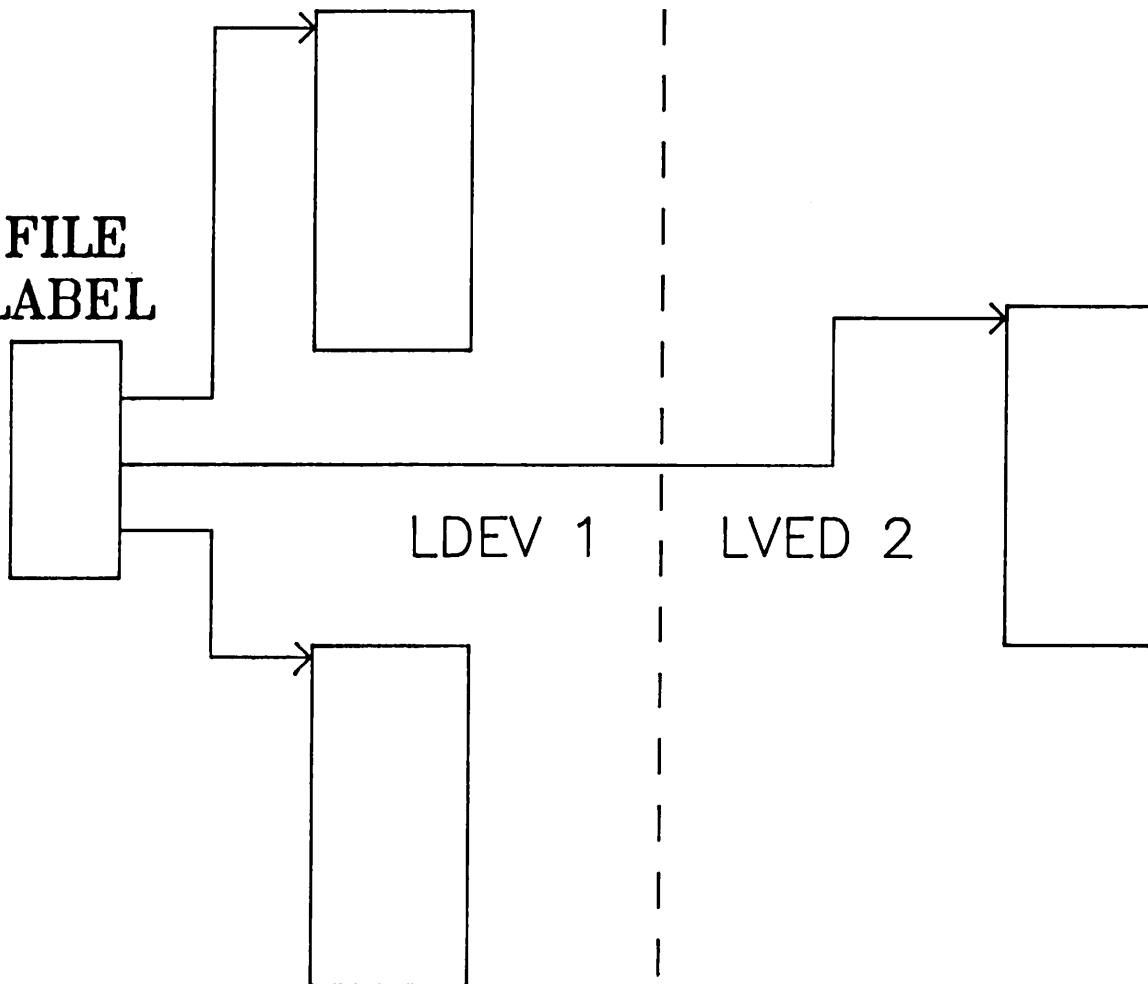
Basic Directory Element





THE DIRECTORY

FILE
LABEL



FILE EXTENTS



ACCOUNT ENTRY

- Name
- Password
- Group Pointer
- User Pointer
- Capabilities/Attributes
- Disc Space Count/Limit
- CPU Time Count/Limit
- Connect Time Count/Limit
- File Security



USER ENTRY

- Name
- Password
- Capability
- Local Attributes
- Max Job Priority
- UDC Exist Flag



GROUP ENTRY

- Name
- Password
- Counts/Limits
- File Index Pointer
- Security
- Capability



FILE ENTRY

Name

Label Pointer

FILE LABEL

- NAME
- Lockword
- Security Matrix
- Creation Date
- Access Date
- Modification Date
- File Code
- File Limit
- Rec Size
- Block Size
- Extent Map

Reference:
Software Pocket Guide
(30000-90049)



LISTF , -1

```
!LISTF BASIC,-1
F = BASIC
```

041101	051511	041440	020040	000400	113173				BASIC.....
041101	051511	041440	020040	050125	041040	020040	020040		BASIC...PUB....
051531	051440	020040	020040	046501	047101	043505	051040		SYS.....MANAGER
020040	020040	020040	020040	020202	004040	000001	117054		.....
117074	117073	002005	000000	004000	000000	000000	000542	!
000000	000000	040743	017514	002001	177400	000200	000400		....A..L.....
000543	000543	000000	000542	000400	113173	000000	000000		.c.c...b.....
000000	000000	000000	000000	000000	000000	000000	000000		.....
000000	000000	000000	000000	000000	000000	000000	000000		.....
000000	000000	000000	000000	000000	000000	000000	000000		.....
000000	000000	000000	000000	000000	000000	000000	000000		.....
000000	000000	000000	000000	000000	000000	000000	000000		.....
000000	000000	000000	000000	000000	000000	000000	000000		.....
000000	000000	000000	000000	000000	000000	000000	000000		.....
000000	000000	000000	000000	000000	000000	000000	000000		.....
000000	000000	000000	000000	000000	000000	000000	000000		.....
000000	000000	000000	000000	000000	000000	000000	000000		.....
000000	000000	000000	000000	042111	051503	020040	020040		.....DISC...

WHAT CAN BE SAVED

- Disc Files
 - Group Pointer
 - File Label
- Bad Store/Sysdump Tape



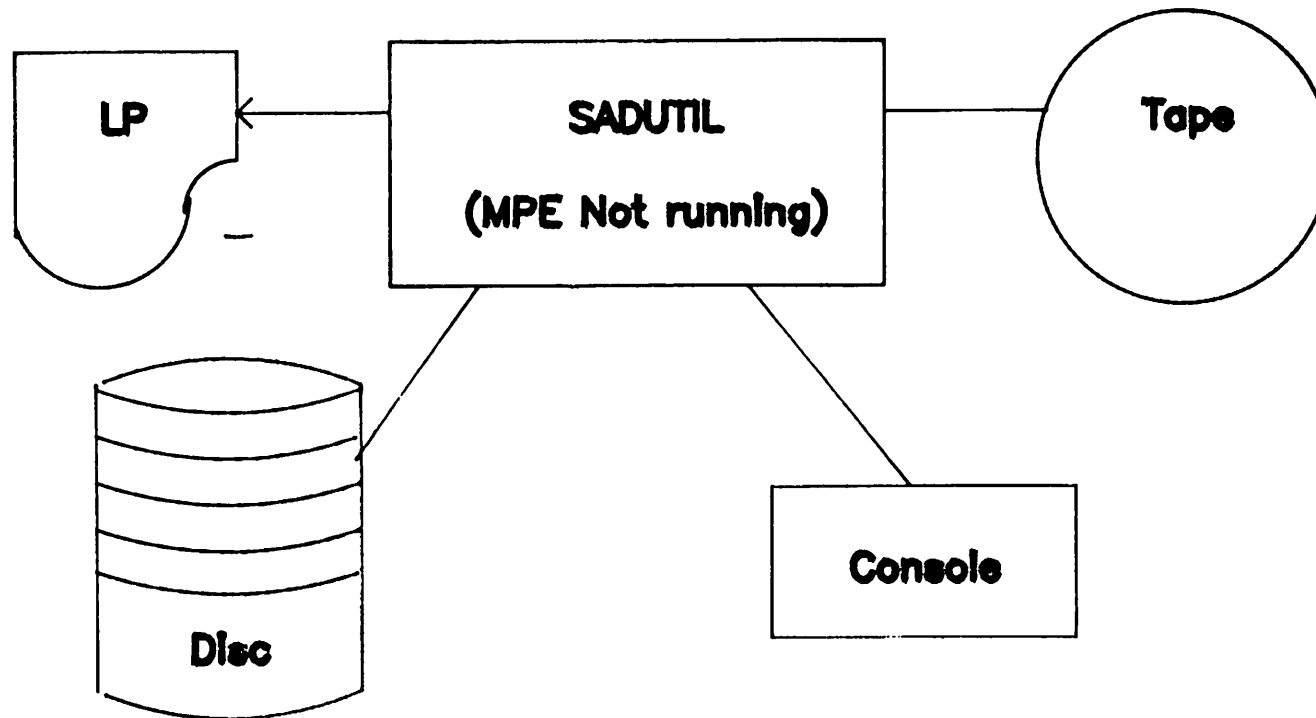
How Can It Be Saved

- Utilities
- Write a program



SADUTIL

(stand alone disc utility)



SADUTIL (Stand Alone Disc Utility)

- Save
 - by @
 - by Name
 - by address
- Edit
 - PDSK
 - Modify
- Find

DISC UTILITY A01.01 (C) HEWLETT-PACKARD CO., 1976

DEVICE CONFIGURATION CHANGES? Y

PRINTER DRT?

LIST LOGICAL DEVICES? Y

LDEV	DRT	UNIT	TYPE	SUBTYPE
------	-----	------	------	---------

----	---	----	----	-----
------	-----	------	------	-------

DISC CONFIGURATION CHANGES? Y

LOGICAL DEVICE? 1

DRT? 4

UNIT? 0

TYPE? 0

SUBTYPE? 8

LOGICAL DEVICE? 2

DRT? 4

UNIT? 1

TYPE? 0

SUBTYPE? 9

LOGICAL DEVICE?

LIST LOGICAL DEVICES? Y

LDEV	DRT	UNIT	TYPE	SUBTYPE
------	-----	------	------	---------

----	---	----	----	-----
------	-----	------	------	-------

1	4	0	0	8
2	4	1	0	9

ENTER FUNCTION: SAVE

MOUNT TAPE WITH WRITE RING ON MAG. TAPE UNIT 0 OF DRT 6

FILE NAME (OR LDEV#, %SECTOR ADDRESS)? ANIMAL.PUB.GAMES

DATE? 1/1/11

ANIMAL .PUB .GAMES 1 %216306

FILE NAME (OR LDEV#,ZSECTOR ADDRESS)? 1,%231577
FXXX .ACKERMAN.EASTBAY - CONTENTS OF LABEL
RETRIEVE THIS FILE (Y/N)? Y
FXXX .ACKERMAN.EASTBAY 1 231577
FILE NAME (OR LDEV#,ZSECTOR ADDRESS)? 2,%130073
OTHELLO .ACKERMAN.EASTBAY - CONTENTS OF LABEL
RETRIEVE THIS FILE (Y/N)? Y
OTHELLO .ACKERMAN.EASTBAY 2 130073
FILE NAME (OR LDEV#,ZSECTOR ADDRESS)?

ENTER FUNCTION: PFIL
ENTER NAME: @.CANFIELD.STAFF

ACCOUNT = STAFF GROUP = CANFIELD

A	EDCAT	INFO	LIST	SFAIL	SYSFAIL
TAPEC					

ENTER NAME: @.PUB.UTILS

ACCOUNT = UTILS GROUP = PUB

BADFILE	BLDACCT	BUILDINT	CALC	CFCOPY	CLEAN
CLKPROG	DEATH	DECOMP	DELMNT	DIAGCPU	DIRPUR3
DIRPURG2	DISCFIL2	DISCFL3	DISKEDT2	DPAN3	FCOPY
FILEDISP	FILELIST	FIND	FINDB	FINDF	FINDFIL2
FLUSHER	FLUTIL2	FLUTIL2B	FLUTIL3	GETDATA	GETFILE
GETFILE0	LABELOFF	LABELON	LOGUTIL	MAGTEST	MOVEFILE
OVERLORD	PEEKAB00	PFIND	PSCREEN	PURGE	PURGEA
PURGEDIR	RECOVER2	RESTORE	ROLAIDS	SADUTIL	SDUPII
SECTOR	SLPATCH	S00	SPOOK	STAN	SYSINFO
TAPECOPY	TAPESCAN	TAPETEST	TAPEVALD	TAPLIS	TERMTYPE
TUNER2	TUNER2B	TUNER3	TUNEROLD	WORKOUT	WORKOUT2
WRKDISC					

ENTER NAME:
ENTER FUNCTION:

ENTER FUNCTION: PDSK 2

ENTER ADDRESS: 0

LDEV= 2, DRT= 4, UNIT= 1, TYPE= 0, SUBTYPE= 9

SECTOR % 0

0:	040000	000027	077746	002040	000000	002040	000011	017556
10:	031460	030060	046510	033471	031065	052461	000000	000000
20:	000000	000000	000000	000000	000000	000000	000000	000000
30:	000000	000000	000000	000000	000000	000000	000000	000000
40:	000000	000000	000000	000000	000000	000000	000000	000000
50:	000000	000000	000000	000000	000000	000000	000000	000000
60:	000000	000000	000000	000000	000000	000000	000000	000000
70:	000000	000000	000000	000000	000000	000000	000000	000000
100:	000000	000000	000000	000000	000000	000000	000000	000000
110:	000000	000000	000000	000000	000000	000000	000000	000000
120:	000000	000000	000000	000000	000000	000000	000000	000000
130:	000000	000000	000000	000000	000000	000000	000000	000000
140:	000000	000000	000000	000000	000000	000000	000000	000000
150:	000000	000000	000000	000000	000000	000000	000000	000000
160:	000000	000000	000000	000000	000000	000000	000000	000000
170:	000000	000000	000000	000000	000000	000000	000000	000000

ENTER FUNCTION: EDIT

>OUTM C

>BASE 18

>DISC 2

>MODIFY %22,%42,3

SECTOR % 44

42: 000000:=0

43: 000000:=0

44: 000000:=

WRITTEN

>MODIFY %22,%42,23

SECTOR % 44

42: 000000:=

43: 000000:=

44: 000000:=

45: 000000:=

46: 000000:=/

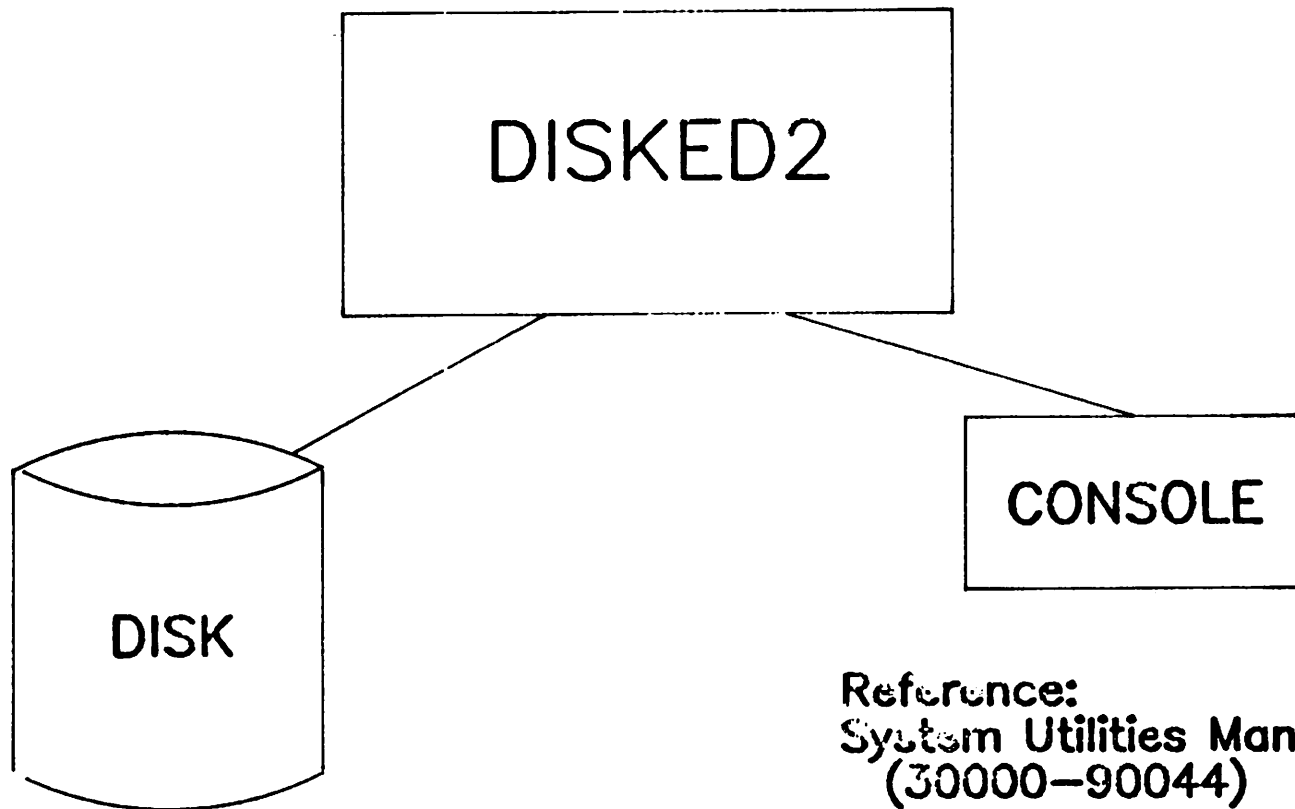
>

ENTER FUNCTION:



DISKED2

(Disk Edit)



Reference:
System Utilities Manual
(30000-90044)

DISKED2

(Disk Edit)

- Dump
- Modify



RUN DISKED2

DISKEDT2 B00.01 (C) HEWLETT-PACKARD CO., 1976

TYPE 'HELP' FOR INFO

>HELP

BASE (<ABS SEC #>)

DEBUG

DISC <LOG DEV #>

DUMP (<REL SEC #>) (,<# OF SEC>) (,<A = ASCII>)

EXIT

LIST (<DEVICE CLASS>) OR (<LOG DEV #>)

MODIFY <SECTOR NUM, REL WD ADDR (,NUM WDS)>

WIDTH

>

:RUN DISKED2

DISKED2 B00.01 (C) HEWLETT-PACKARD CO., 1976

TYPE HELP FOR INFO

>DEBUG

DEBUG PRIV.0.604

?DA %1130,2

A1130 000000 000076

?E

>WIDTH

NARROW FORMAT?

YES

>BASE %76

DUMP ADDRESS

USUALLY 76

Base = 76
+ 3
101

>DUMP 3

of blocks ↓ 000002 # of accts ↓ 000024 001634 000010

SECTOR %00000000101 LDEV = %000001

000:	110143	000002	000007	000024	010743	000000	020040	020040
010:	020040	020040	041105	047103	044040	020040	000010	000012
020:	047117	051124	044102	040531	001634	000012	000012	000012
030:	000012	000012	000012	000012	000012	000012	000012	000012
040:	000012	000012	000012	000012	000012	000012	000012	000012
050:	000012	000012	000012	000012	000012	000012	000012	000012
060:	000012	000012	000012	000012	000012	000012	000012	000012
070:	000012	000012	000012	000012	000012	000012	000012	000012
100:	000012	000012	000012	000012	000012	000012	000012	000012
110:	000012	000012	000012	000012	000012	000012	000012	000012
120:	000012	000012	000012	000012	000012	000012	000012	000012
130:	000012	000012	000012	000012	000012	000012	000012	000012
140:	000012	000012	000012	000012	000012	000012	000012	000012
150:	000012	000012	000012	000012	000012	000012	000012	000012
160:	000012	000012	000012	000012	000012	000012	000012	000012
170:	000012	000012	000012	000012	000012	000012	000012	000012

Index
block
Prefix
(10 wds)

Index
block
entry
(6 wds)

0123456701234567012345670123456701234567012345670123456701234567

000: BENCH NORTHBAY

100:

200:

300:

>

→ $24_8 / 2 = 12_8$

Sector 10
for 3 sectors
in ascii only

DUMP X10,3,A

```
SECTOR X00000000106      LDEV = X000001
000: BENCH .....U.....COGO
100: ....C.....U.....CONVAID
200: ....C.....U.....DREEACTG....
300: C.....U.....EASTBAY .....

SECTOR X00000000107      LDEV = X000001
000: ....U.....ENTRY ....C.....
100: .....U.....GAMES .....
200: .....U.....HPCORP .....
300: .....F.....#.....U.....INFOBASE....C.....

SECTOR X00000000110      LDEV = X000001
000: .....U.....LIB ....C.....
100: ...2.....!.....U.....
200: .....
300: .....
```

Group index pointer



G A

000417

000420

043501

DUMP 211

SECTOR	%00000000107	LDEV = %0000001
000:	000000	020040
010:	077777	000000
020:	077777	002525
030:	054440	000205
040:	020040	000206
050:	000000	041403
060:	000000	000600
070:	000000	000000
080:	000000	077777
090:	002525	177777
100:	000226	000000
110:	000000	043501
120:	000417	046505
130:	020040	051440
140:	020040	020040
150:	077777	020040
160:	177777	000000
170:	000000	000626
180:	000000	000226
190:	044120	000754
200:	041517	000755
210:	051120	020040
220:	020040	020040
230:	000000	043303
240:	077777	077777
250:	002525	000226
260:	000226	000000
270:	000000	000000
280:	044516	041403
290:	043117	000600
300:	041101	020040
310:	051505	020040
320:	000163	020040
330:	000164	000000
340:	041403	000000
350:	000600	000000

← Account entry (30 wds)

	01234567012345670123456701234567012345670123456701234567
000:	....
100:	.....U.....ENTRY.....C.....
200:	.....U.....GAMES.....
300:	.....U.....HPCORP.....
400:	.....F.....*.....U.....INFOBASE.....C.....

$$54_8 / 2 = 26$$

$$150_8 / 2 = 64$$

000424

DUMP Z417

SECTOR X00000000515		LDEV = X000001					
000:	104141 000001	000000	000002	005222	000003	043501	046505
010:	051440 020040	040504	053040	020040	020040	000424	000002
020:	000002	000002	000002	000002	000002	000002	000002
030:	000002	000002	000002	000002	000002	000002	000002
040:	000002	000002	000002	000002	000002	000002	000002
050:	000002	000002	000002	000002	000002	000002	000002
060:	000002	000002	000002	000002	000002	000002	000002
070:	000002	000002	000002	000002	000002	000002	000002
100:	000002	000002	000002	000002	000002	000002	000002
110:	000002	000002	000002	000002	000002	000002	000002
120:	000002	000002	000002	000002	000002	000002	000002
130:	000002	000002	000002	000002	000002	000002	000002
140:	000002	000002	000002	000002	000002	000002	000002
150:	000002	000002	000002	000002	000002	000002	000002
160:	000002	000002	000002	000002	000002	000002	000002
170:	000002	000002	000002	000002	000002	000002	000002

← Index
block
entry
(Group)
(6 wds)

	01234567012345670123456701234567012345670123456701234567
000:	.....GAMES ADV
100:	.....
200:	.....
300:	.....

000421

>DUMP X424

```

SECTOR X00000000522          LDEV = X000001
000: 040504 053040 020040 020040 000706 020040 020040 020040
010: 020040 000000 002102 077777 177777 000000 000552 077777
020: 177777 000000 000107 077777 177777 002041 004102 000613
030: 000000 000724 020040 020040 020040 020040 020040 020040
040: 020040 020040 020040 020040 020040 020040 000000 000000
050: 000000 050125 041040 020040 020040 000421 020040 020040
060: 020040 020040 000000 012502 077777 177777 000000 000054
070: 077777 177777 000000 000072 077777 177777 020143 015006
100: 000713 000000 000423 020040 020040 020040 020040 020040
110: 020040 020040 020040 020040 020040 020040 020040 000000
120: 000000 000000 000000 000000 000000 000000 000000 000000
130: 000000 000000 000000 000000 000000 000000 000000 000000
140: 000000 000000 000000 000000 000000 000000 000000 000000
150: 000000 000000 000000 000000 000000 000000 000000 000000
160: 000000 000000 000000 000000 000000 000000 000000 000000
170: 000000 000000 000000 000000 000000 000000 000000 000000

```

Group
entry
(41 wds)

```

01234567012345670123456701234567012345670123456701234567
000: ADV .. ...B.....G.....!.B.....
100: .. ...PUB .. ...B.....!.B.....
200: .....
300: .....

```

$$122_8 / 2 = 51$$

000514

DUMP X421

SECTOR X00000000517

LDEV = X000001

000:	100142	000005	000000	000223	000142	000417	050125	041040
010:	020040	020040	040502	040507	042514	020040	000514	000040
020:	041522	040520	051440	020040	000516	000040	046501	051113
030:	042524	020040	000520	000040	047125	041117	040524	020040
040:	000522	000025	051122	042503	047522	042040	000524	000036
050:	000036	000036	000036	000036	000036	000036	000036	000036
060:	000036	000036	000036	000036	000036	000036	000036	000036
070:	000036	000036	000036	000036	000036	000036	000036	000036
100:	000036	000036	000036	000036	000036	000036	000036	000036
110:	000036	000036	000036	000036	000036	000036	000036	000036
120:	000036	000036	000036	000036	000036	000036	000036	000036
130:	000036	000036	000036	000036	000036	000036	000036	000036
140:	000036	000036	000036	000036	000036	000036	000036	000036
150:	000036	000036	000036	000036	000036	000036	000036	000036
160:	000036	000036	000036	000036	000036	000036	000036	000036
170:	000036	000036	000036	000036	000036	000036	000036	000036

← Index
block
entry
(files)
(6 wds)

	01234567012345670123456701234567012345670123456701234567
000:	.....PUB ABAGEL .L. CRAPS .N. MARKET .P. NUBOAT
100:	.R..RRECORD .T.....
200:	.....
300:	.....

001001 122501

>DUMP %514

SECTOR %00000000612 LDEV = %000001

000:	040502	040507	042514	020040	000402	100210	040502	040523
010:	042440	020040	001001	121650	040504	053103	047515	020040
020:	000402	100225	040504	053105	047124	020040	001001	121666
030:	040504	053123	040526	042440	000402	100625	040515	040532
040:	042440	020040	001001	122461	040515	047522	052040	020040
050:	000402	101225	040516	044515	040514	020040	001001	122501
060:	040516	044515	040514	052040	000402	101257	040516	044515
070:	046061	020040	001001	122530	040516	044515	046062	020040
100:	000402	101351	041101	043505	046123	020040	001001	122704
110:	041101	052116	052515	020040	000402	101461	041105	040516
120:	051440	020040	001001	122720	041111	047523	044516	020040
130:	000402	101501	041111	051104	040531	020040	001001	122732
140:	041112	020040	020040	020040	000402	101533	041114	040503
150:	045512	040513	001001	122745	041114	045101	041513	020040
160:	000402	101557	041125	052124	047516	020040	001001	123003
170:	041501	047116	047516	020040	000402	101614	041501	053105

File
entry
(6 wds)

01234567012345670123456701234567012345670123456701234567

000:	ABAGEL	....ABASE	....ADVCOM	....ADVENT	....ADVSAVE	....AMAZ
100:	E	...1AMORT	....ANIMAL	...AANIMALT	....ANIML1	...XANIML2
200:	....BAGELS	....BATNUM	...1BEANS	....BIOSIN	...ABIRDAY	....
300:	BJ	...[BLACKJAK	....BLJACK	....BUTTON	....CANNON	....CAVE

>

$$124_8 / 2 =$$

0000001000000001 1010010101000001
 0 0 2 0 0 3 2 2 5 0 1

File label address

Volume table index "NOT LDEV #!!!"

DISC 2
>BASE 0
>DUMP X322501

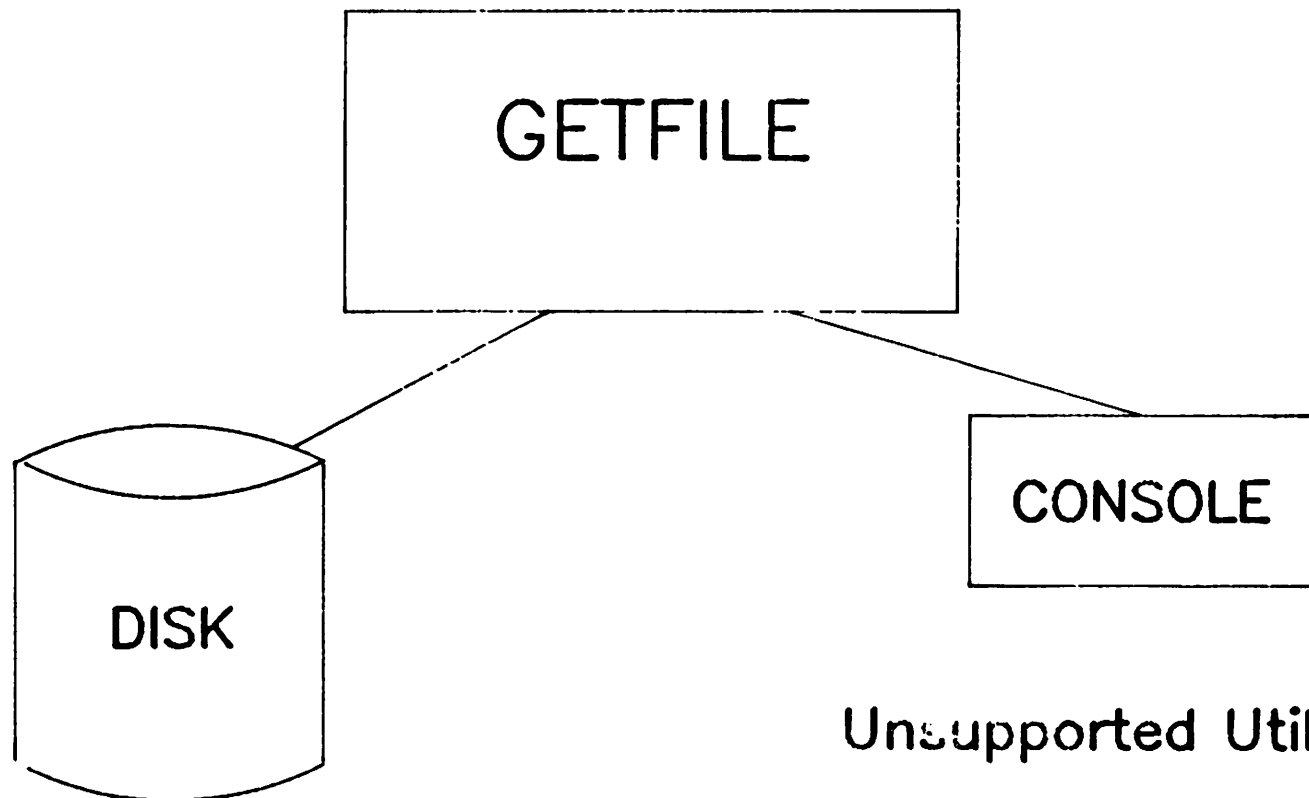
SECTOR X00000322501 LDEV = X000002

000:	040516	044515	040514	020040	050125	041040	020040	020040
010:	043501	046505	051440	020040	050114	040531	042522	020040
020:	020040	020040	020040	020040	020202	004040	000001	117017
030:	117073	117073	002005	000000	004400	000000	000000	000026
040:	000000	000000	017655	017512	002001	177400	000200	000400
050:	000027	000027	000000	000026	001001	122501	000000	000000
060:	000000	000000	000000	000000	000000	000000	000000	000000
070:	000000	000000	000000	000000	000000	000000	000000	000000
100:	000000	000000	000000	000000	000000	000000	000000	000000
110:	000000	000000	000000	000000	000000	000000	000000	000000
120:	000000	000000	000000	000000	000000	000000	000000	000000
130:	000000	000000	000000	000000	000000	000000	000000	000000
140:	000000	000000	000000	000000	000000	000000	000000	000000
150:	000000	000000	000000	000000	000000	000000	000000	000000
160:	000000	000000	000000	000000	000000	000000	000000	000000
170:	000000	000000	000000	000000	042111	051503	020000	047111

01234567012345670123456701234567012345670123456701234567

000:	ANIMAL	PUB	GAMES	PLAYER	..	.....;	.....
100:	.....J	.....	.....A	.....	.....	.....	.....
200:	.....	.....	.....	.....	.....	.....	.....
300:	.....	.....	.....	.....	.....	DISC	.NI

GETFILE



Unsupported Utility

:RESTORE *T;u.UTIL.SUPP
FILES RESTORED = 13

FILES NOT RESTORED = 45

FILE	.GROUP	.ACCOUNT	FILESET	REASON
FLUSHER	.UTIL	.SUPP	1	CATASTROPHIC ERROR
FLUTIL3	.UTIL	.SUPP	1	CATASTROPHIC ERROR
FSECTOR	.UTIL	.SUPP	1	CATASTROPHIC ERROR
FSPENT	.UTIL	.SUPP	1	CATASTROPHIC ERROR
GET3	.UTIL	.SUPP	1	CATASTROPHIC ERROR
GETDATA	.UTIL	.SUPP	1	CATASTROPHIC ERROR
	.UTIL	.SUPP	1	CATASTROPHIC ERROR
		.SUPP	1	CATASTROPHIC ERROR
			1	CATASTROPHIC ERROR
SP00K				CATASTROPHIC ERROR
SYSINFO	.UTIL			
TAPECOPY	.UTIL	.SUPP		
TAPESCAN	.UTIL	.SUPP		
TAPFTFST	.UTIL	.SUPP	1	CATASTROPHIC ERROR
TAPEVALD	.UTIL	.SUPP	1	CATASTROPHIC ERROR
TAPLIS	.UTIL	.SUPP	1	CATASTROPHIC ERROR
TAPLIS4	.UTIL	.SUPP	1	CATASTROPHIC ERROR
TERMTYPE	.UTIL	.SUPP	1	CATASTROPHIC ERROR
TLP1010	.UTIL	.SUPP	1	CATASTROPHIC ERROR
TUNER2	.UTIL	.SUPP	1	CATASTROPHIC ERROR
TUNER3	.UTIL	.SUPP	1	CATASTROPHIC ERROR

TAPE PARITY ERROR (FSERR 3H)
ERROR ACCESSING TAPE - RESTORE STOPPED. (CIERR 1026)

GETFILE

DESCRIPTION:

Retreives files from: store tapes that are
unrecognizable by the system.

CONSIDERATIONS:

it is unsupported
puts files where you are

GETFILE (cont.)

OPERATION:

RUN GETFILE.PUB.UTILS

GETFILE-VERSION 04/17/78

GETFILE WILL RESTORE A FILE FROM A SYSDUMP OR STORE
TAPE INTO LOGON GROUP AND ACCOUNT REGARDLESS OF
THE PREVIOUS CREATOR, GROUP AND ACCOUNT.
TO SPECIFY THE FILES TO BE RESTORED YOU MAY ENTER THE
FILE NAMES SEPERATED BY COMMAS, USE * TO DENOTE ALL
FILES IN A GROUP OR ONE RANGE OF FILES. (A RANGE OF
FILES IS SPECIFIED BY ENTERING THE FIRST FILE,
A SLASH, THEN LAST FILE. IE. FIRSTFILE/LASTFILE).
AN & IS USED AFTER A FILE NAME TO CONTINUE FILE
LIST ON NEXT LINE. AN * MAY BE USED IN RESPONSE
TO GROUP AND ACCOUNT REQUEST.
THE TAPE MAY BE A CONTINUATION REEL.

NAME OF FILE(S) TO BE RESTORED?

TAPE INTO LOGON GROUP AND ACCOUNT REGARDLESS OF
THE PREVIOUS CREATOR, GROUP AND ACCOUNT.
TO SPECIFY THE FILES TO BE RESTORED YOU MAY ENTER THE
FILE NAMES SEPERATED BY COMMAS, USE @ TO DENOTE ALL
FILES IN A GROUP OR ONE RANGE OF FILES. (A RANGE OF
FILES IS SPECIFIED BY ENTERING THE FIRST FILE,
A SLASH, THEN LAST FILE. IE. FIRSTFILE/LASTFILE).
AN & IS USED AFTER A FILE NAME TO CONTINUE FILE
LIST ON NEXT LINE. AN @ MAY BE USED IN RESPONSE
TO GROUP AND ACCOUNT REQUEST.
THE TAPE MAY BE A CONTINUATION REEL.

NAME OF FILE(S) TO BE RESTORED?

@

UTIL

SUPP

N

N

MOUNT TAPE

?13:21/MS14/14/LDEVH FOR "TAPE" ON TAPE (NUM)?

=REPLY 14,7

FILE ERROR #0 WHILE SCANNING THE FILE

FLUSHER UTIL SUPP

DO YOU WISH TO CONTINUE? Y

SPOOK UTIL SUPP

THIS FILE IS EMPTY-SORRY

TAPETEST IS A DUPLICATE FILE--DO YOU WISH TO PURGE OLD? N

54 FILE(S) RETRIEVED

NAME OF FILE(S) TO BE RESTORED?

THATS ALL FOLKS!

END OF PROGRAM

UTILITIES

SUPPORTED

and

UNSUPPORTED

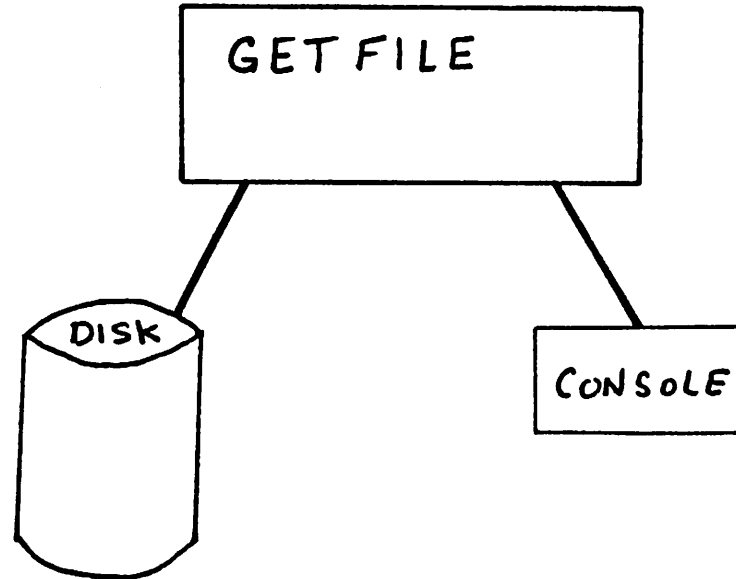
:RESTORE *T;*.UTIL.SUPP
FILES RESTORED = 13

FILES NOT RESTORED = 45

FILE	.GROUP	.ACCOUNT	FILESET	REASON
FLUSHER	.UTIL	.SUPP	1	CATASTROPHIC ERROR
FLUTIL3	.UTIL	.SUPP	1	CATASTROPHIC ERROR
FSECTOR	.UTIL	.SUPP	1	CATASTROPHIC ERROR
FSPENT	.UTIL	.SUPP	1	CATASTROPHIC ERROR
GET3	.UTIL	.SUPP	1	CATASTROPHIC ERROR
GETDATA	.UTIL	.SUPP	1	CATASTROPHIC ERROR
GETC	.UTIL	.SUPP	1	CATASTROPHIC ERROR
GETC		.SUPP	1	CATASTROPHIC ERROR
GETC			1	CATASTROPHIC ERROR
SPOOK				CATASTROPHIC ERROR
SYSINFO	.UTIL			CATASTROPHIC ERROR
TAPFCOPY	.UTIL	.SUPP		
TAPESCAN	.UTIL	.SUPP		
TAPFTST	.UTIL	.SUPP	1	CATASTROPHIC ERROR
TAPEVALD	.UTIL	.SUPP	1	CATASTROPHIC ERROR
TAPLIS	.UTIL	.SUPP	1	CATASTROPHIC ERROR
TAPLIS4	.UTIL	.SUPP	1	CATASTROPHIC ERROR
TERMTYPE	.UTIL	.SUPP	1	CATASTROPHIC ERROR
TLP1010	.UTIL	.SUPP	1	CATASTROPHIC ERROR
TUNER2	.UTIL	.SUPP	1	CATASTROPHIC ERROR
TUNER3	.UTIL	.SUPP	1	CATASTROPHIC ERROR

TAPE PARITY ERROR (FSENR 38)
ERROR ACCESSING TAPE - RESTORE STOPPED. (CIERR 1026)

GETFILE



Unsupported Utility

GETFILE

DESCRIPTION:

Retreives files from: store tapes that are
unrecognizable by the system.

CONSIDERATIONS:

it is unsupported
puts files where you are

GETFILE (cont.)

OPERATION:

RUN GETFILE.PUB.UTILS

GETFILE-VERSION 04/17/78

GETFILE WILL RESTORE A FILE FROM A SYSDUMP OR STORE TAPE INTO LOGON GROUP AND ACCOUNT REGARDLESS OF THE PREVIOUS CREATOR, GROUP AND ACCOUNT. TO SPECIFY THE FILES TO BE RESTORED YOU MAY ENTER THE FILE NAMES SEPERATED BY COMMAS, USE @ TO DENOTE ALL FILES IN A GROUP OR ONE RANGE OF FILES. (A RANGE OF FILES IS SPECIFIED BY ENTERING THE FIRST FILE, A SLASH, THEN LAST FILE. IE. FIRSTFILE/LASTFILE). AN & IS USED AFTER A FILE NAME TO CONTINUE FILE LIST ON NEXT LINE. AN @ MAY BE USED IN RESPONSE TO GROUP AND ACCOUNT REQUEST. THE TAPE MAY BE A CONTINUATION REEL.

NAME OF FILE(S) TO BE RESTORED?

TAPE INTO LOGON GROUP AND ACCOUNT REGARDLESS OF
THE PREVIOUS CREATOR, GROUP AND ACCOUNT.
TO SPECIFY THE FILES TO BE RESTORED YOU MAY ENTER THE
FILE NAMES SEPERATED BY COMMAS, USE @ TO DENOTE ALL
FILES IN A GROUP OR ONE RANGE OF FILES. (A RANGE OF
FILES IS SPECIFIED BY ENTERING THE FIRST FILE,
A SLASH, THEN LAST FILE. IE. FIRSTFILE/LASTFILE).
AN & IS USED AFTER A FILE NAME TO CONTINUE FILE
LIST ON NEXT LINE. AN @ MAY BE USED IN RESPONSE
TO GROUP AND ACCOUNT REQUEST.
THE TAPE MAY BE A CONTINUATION REEL.

NAME OF FILE(S) TO BE RESTORED?

@

UTIL

SUPP

N

N

MOUNT TAPE

?13:21/MS14/14/LDEV# FOR "TAPE" ON TAPE (NUM)?

=REPLY 14,7

FILE ERROR #0 WHILE SCANNING THE FILE

FLUSHER UTIL SUPP

DO YOU WISH TO CONTINUE? Y

SPOOK UTIL SUPP

THIS FILE IS EMPTY-SORRY

TAPETEST IS A DUPLICATE FILE--DO YOU WISH TO PURGE OLD? N

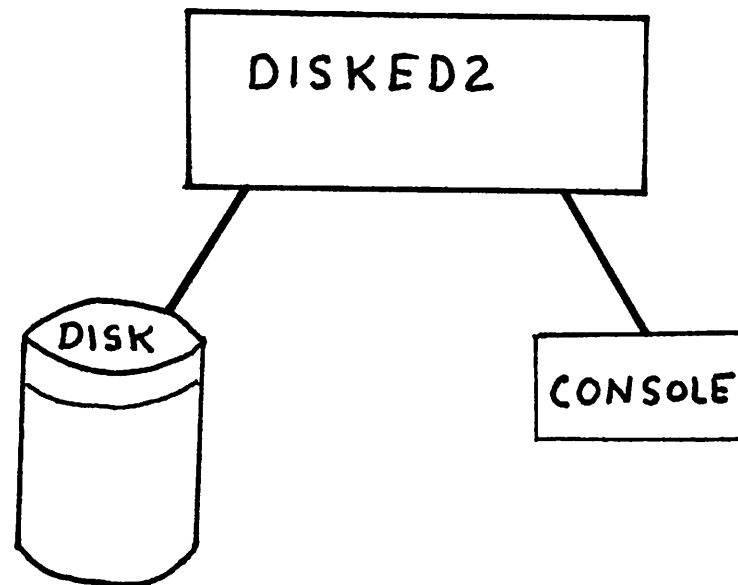
54 FILE(S) RETRIEVED

NAME OF FILE(S) TO BE RESTORED?

THATS ALL FOLKS!

END OF PROGRAM

DISKED2 (Disk edit)



DISKED2

DESCRIPTION:

Allows you to online display or modify disc.

CONSIDERATIONS:

Allows modifying where you don't want also
% or no %

Reference:
System Utilities Manual
(30000-90044)

DISKED2

OPERATION:

RUN DISKED2

DISKEDT2 B00.01 (C) HEWLETT-PACKARD CO., 1976
TYPE 'HELP' FOR INFO
>HELP

BASE [<ABS SEC #>]
DEBUG
DISC <LOG DEV #>
DUMP [<REL SEC #>] [<# OF SEC>] [<A = ASCII>]
EXIT
LIST [<DEVICE CLASS>] OR [<LOG DEV #>]
MODIFY <SECTOR NUM, REL WD ADDR [,NUM WDS]>
WIDTH
>

IRUN DISKED2

DISKEDT2 B00.01 (C) HEWLETT-PACKARD CO., 1976
TYPE 'HELP' FOR INFO
>DEBUG

DEBUG PRIV.0.604
?DA %1130,2
A1130 000000 000076
?E
>WIDTH
NARROW FORMAT?
YES
>BASE %76

>DUMP 3

```
SECTOR %00000000101          LDEV = %000001
000: 110143 000002 000007 000024 010743 000000 020040 020040
010: 020040 020040 041105 047103 044040 020040 000010 000012
020: 047117 051124 044102 040531 001634 000012 000012 000012
030: 000012 000012 000012 000012 000012 000012 000012 000012
040: 000012 000012 000012 000012 000012 000012 000012 000012
050: 000012 000012 000012 000012 000012 000012 000012 000012
060: 000012 000012 000012 000012 000012 000012 000012 000012
070: 000012 000012 000012 000012 000012 000012 000012 000012
100: 000012 000012 000012 000012 000012 000012 000012 000012
110: 000012 000012 000012 000012 000012 000012 000012 000012
120: 000012 000012 000012 000012 000012 000012 000012 000012
130: 000012 000012 000012 000012 000012 000012 000012 000012
140: 000012 000012 000012 000012 000012 000012 000012 000012
150: 000012 000012 000012 000012 000012 000012 000012 000012
160: 000012 000012 000012 000012 000012 000012 000012 000012
170: 000012 000012 000012 000012 000012 000012 000012 000012
```

```
01234567012345670123456701234567012345670123456701234567
000: ..... BENCH .....NORTHBAY.....
100: .....
200: .....
300: .....
```

>

DUMP X10,3,A

SECTOR X00000000106 LDEV = X000001
000: BENCHU.....COGO
100:C.....U.....CONVAID
200:C.....U.....DREEACTG....
300: C.....U.....EASTRAY

SECTOR X00000000107 LDEV = X000001
000:U.....ENTRYC.....
100:U.....GAMES
200:U.....HPCORP
300:F.....#.....U.....INFOBASE....C.....

SECTOR X00000000110 LDEV = X000001
000:U.....LIBC.....
100: ...2.....!.....U.....
200:
300:

DUMP %11

```

SECTOR %00000000107          LDEV = %000001
000: 000000 000000 020040 020040 020040 020040 000000 013004
010: 077777 177777 000000 012266 077777 177777 000000 004140
020: 077777 177777 002525 000226 000000 000000 042516 052122
030: 054440 020040 000205 000206 041403 000600 000000 000000
040: 020040 020040 020040 020040 000000 000000 077777 177777
050: 000000 000000 077777 177777 000000 000000 077777 177777
060: 002525 000226 000000 000000 043501 046505 051440 020040
070: 000417 000420 077405 000613 000000 000000 020040 020040
100: 020040 020040 000000 014604 077777 177777 000000 000626
110: 077777 177777 000000 000201 077777 177777 002525 000226
120: 000000 000000 044120 041517 051120 020040 000754 000755
130: 077407 000613 000000 000000 020040 020040 020040 020040
140: 000001 073546 077777 177777 000000 043303 077777 177777
150: 000000 021402 077777 177777 002525 000226 000000 000000
160: 044516 043117 041101 051505 000163 000164 041403 000600
170: 000000 000000 020040 020040 020040 020040 000000 000000

```

```

01234567012345670123456701234567012345670123456701234567
000: ....U.....ENTRY ....C.....
100: .....U.....GAMES .....
200: .....U.....HPCORP .....
300: .....F.....#.....U.....INFOBASE....C.....

```

>

DUMP %417

```

SECTOR %00000000515          LDEV = %000001
000: 104141 000001 000000 000002 005222 000003 043501 046505
010: 051440 020040 040504 053040 020040 020040 000424 000002
020: 000002 000002 000002 000002 000002 000002 000002 000002
030: 000002 000002 000002 000002 000002 000002 000002 000002
040: 000002 000002 000002 000002 000002 000002 000002 000002
050: 000002 000002 000002 000002 000002 000002 000002 000002
060: 000002 000002 000002 000002 000002 000002 000002 000002
070: 000002 000002 000002 000002 000002 000002 000002 000002
100: 000002 000002 000002 000002 000002 000002 000002 000002
110: 000002 000002 000002 000002 000002 000002 000002 000002
120: 000002 000002 000002 000002 000002 000002 000002 000002
130: 000002 000002 000002 000002 000002 000002 000002 000002
140: 000002 000002 000002 000002 000002 000002 000002 000002
150: 000002 000002 000002 000002 000002 000002 000002 000002
160: 000002 000002 000002 000002 000002 000002 000002 000002
170: 000002 000002 000002 000002 000002 000002 000002 000002

01234567012345670123456701234567012345670123456701234567
000: .....GAMES ADV .....
100: .....
200: .....
300: .....

```


>DUMP %424

```
SECTOR %00000000522          LDEV = %000001
000: 040504 053040 020040 020040 000706 020040 020040 020040
010: 020040 000000 002102 077777 177777 000000 000552 077777
020: 177777 000000 000107 077777 177777 002041 004102 000613
030: 000000 000724 020040 020040 020040 020040 020040 020040
040: 020040 020040 020040 020040 020040 020040 000000 000000
050: 000000 050125 041040 020040 020040 020040 000421 020040
060: 020040 020040 000000 012502 077777 177777 000000 000054
070: 077777 177777 000000 000072 077777 177777 020143 015006
100: 000713 000000 000423 020040 020040 020040 020040 020040
110: 020040 020040 020040 020040 020040 020040 020040 000000
120: 000000 000000 000000 000000 000000 000000 000000 000000
130: 000000 000000 000000 000000 000000 000000 000000 000000
140: 000000 000000 000000 000000 000000 000000 000000 000000
150: 000000 000000 000000 000000 000000 000000 000000 000000
160: 000000 000000 000000 000000 000000 000000 000000 000000
170: 000000 000000 000000 000000 000000 000000 000000 000000
```

```
01234567012345670123456701234567012345670123456701234567
000: ADV .. ...B.....G.....!..B.....
100: .. ...PUB .. ...B.....,.....!.....
200: .....
300: .....
```

DUMP X421

```
SECTOR X00000000517      LDEV = X000001
000: 100142 000005 000000 000223 000142 000417 050125 041040
010: 020040 020040 040502 040507 042514 020040 000514 000040
020: 041522 040520 051440 020040 000516 000040 046501 051113
030: 042524 020040 000520 000040 047125 041117 040524 020040
040: 000522 000025 051122 042503 047522 042040 000524 000036
050: 000036 000036 000036 000036 000036 000036 000036 000036
060: 000036 000036 000036 000036 000036 000036 000036 000036
070: 000036 000036 000036 000036 000036 000036 000036 000036
100: 000036 000036 000036 000036 000036 000036 000036 000036
110: 000036 000036 000036 000036 000036 000036 000036 000036
120: 000036 000036 000036 000036 000036 000036 000036 000036
130: 000036 000036 000036 000036 000036 000036 000036 000036
140: 000036 000036 000036 000036 000036 000036 000036 000036
150: 000036 000036 000036 000036 000036 000036 000036 000036
160: 000036 000036 000036 000036 000036 000036 000036 000036
170: 000036 000036 000036 000036 000036 000036 000036 000036

01234567012345670123456701234567012345670123456701234567
000: .....PUB      ABAGEL .L. CRAPS .N. MARKET .P. NUBOAT
100: .R..RRECORD .T.....
200: .....
300: .....
```

>DUMP X514

```

SECTOR X00000000612      LDEV = X000001
000: 040502 040507 042514 020040 000402 100210 040502 040523
010: 042440 020040 001001 121650 040504 053103 047515 020040
020: 000402 100225 040504 053105 047124 020040 001001 121666
030: 040504 053123 040526 042440 000402 100625 040515 040532
040: 042440 020040 001001 122461 040515 047522 052040 020040
050: 000402 101225 040516 044515 040514 020040 001001 122501
060: 040516 044515 040514 052040 000402 101257 040516 044515
070: 046061 020040 001001 122530 040516 044515 046062 020040
100: 000402 101351 041101 043505 046123 020040 001001 122704
110: 041101 052116 052515 020040 000402 101461 041105 040516
120: 051440 020040 001001 122720 041111 047523 044516 020040
130: 000402 101501 041111 051104 040531 020040 001001 122732
140: 041112 020040 020040 020040 000402 101533 041114 040503
150: 045512 040513 001001 122745 041114 045101 041513 020040
160: 000402 101557 041125 052124 047516 020040 001001 123003
170: 041501 047116 047516 020040 000402 101614 041501 053105

01234567012345670123456701234567012345670123456701234567
000: ABAGEL ....ABASE ....ADVCOM ....ADVENT ....ADVSAVE ....AMAZ
100: E ....1AMORT ....ANIMAL ...AANIMALT ....ANIML1 ...XANIML2
200: ....BAGELS ....BATNUM ...1BEANS ....BIOSIN ...ABIRDAY ....
300: BJ ....[BLACKJAK....BLJACK ....BUTTON ....CANNON ....CAVE

```

>

DISC 2
>BASE 0
>DUMP %322501

```

SECTOR %00000322501      LDEV = %000002
000: 040516 044515 040514 020040 050125 041040 020040 020040
010: 043501 046505 051440 020040 050114 040531 042522 020040
020: 020040 020040 020040 020040 020202 004040 000001 117017
030: 117073 117073 002005 000000 004400 000000 000000 000026
040: 000000 000000 017655 017512 002001 177400 000200 000400
050: 000027 000027 000000 000026 001001 122501 000000 000000
060: 000000 000000 000000 000000 000000 000000 000000 000000
070: 000000 000000 000000 000000 000000 000000 000000 000000
100: 000000 000000 000000 000000 000000 000000 000000 000000
110: 000000 000000 000000 000000 000000 000000 000000 000000
120: 000000 000000 000000 000000 000000 000000 000000 000000
130: 000000 000000 000000 000000 000000 000000 000000 000000
140: 000000 000000 000000 000000 000000 000000 000000 000000
150: 000000 000000 000000 000000 000000 000000 000000 000000
160: 000000 000000 000000 000000 000000 000000 000000 000000
170: 000000 000000 000000 000000 042111 051503 020000 047111

01234567012345670123456701234567012345670123456701234567
000: ANIMAL PUB      GAMES  PLAYER      .. .. .}.}.
100: .....J.....A.....
200: .....
300: .....DISC .NI

```

DIRPUR3

DESCRIPTION:

Purges "garbage" file entries from directory.

CONSIDERATIONS:

it is unsupported

makes no checks just purges it.

does not give back the disc space

do not use unless normal purge fails.

DIRPUR3 (cont.)

OPERATION:

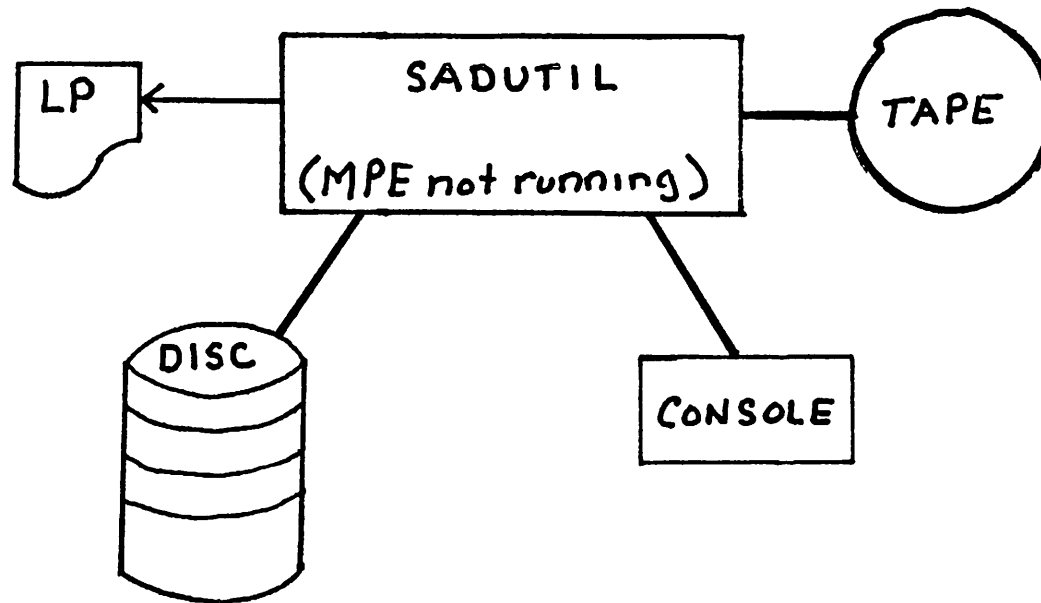
```
:PURGE BADBAD  
I/O ERROR ON FILE LABEL (FSERR 47)  
UNABLE TO PURGE FILE BADBAD.UTIL.SUPP. (CIERR 384)  
:RUN DIRPUR3
```

```
INPUT FILE NAME BADBAD  
INPUT GROUP NAME UTIL  
INPUT ACCOUNT NAME SUPP  
FILE WAS DELETED!
```

```
INPUT FILE NAME
```

```
END OF PROGRAM  
:
```

SADUTIL (stand alone disc utility)



SADUTIL

DESCRIPTION:

Recovers files from a disc drive when all else fails

CONSIDERATIONS:

Sadutilg is unsupported
It is standalone

When you need it you
should have created it.

Reference:
System Utilities Manual
(30000-90044)

SADUTIL (cont)

OPERATION:

DISC UTILITY A01.01 (C) HEWLETT-PACKARD CO., 1976

DEVICE CONFIGURATION CHANGES? Y

PRINTER DRT?

LIST LOGICAL DEVICES? Y

LDEV	DRT	UNIT	TYPE	SUBTYPE
------	-----	------	------	---------

----	---	----	----	-----
------	-----	------	------	-------

DISC CONFIGURATION CHANGES? Y

LOGICAL DEVICE? 1

DRT? 4

UNIT? 0

TYPE? 0

SUBTYPE? 8

LOGICAL DEVICE? 2

DRT? 4

UNIT? 1

TYPE? 0

SUBTYPE? 9

LOGICAL DEVICE?

LIST LOGICAL DEVICES? Y

LDEV	DRT	UNIT	TYPE	SUBTYPE
------	-----	------	------	---------

----	---	----	----	-----
------	-----	------	------	-------

1	4	0	0	8
---	---	---	---	---

2	4	1	0	9
---	---	---	---	---

ENTER FUNCTION: SAVE

MOUNT TAPE WITH WRITE RING ON MAG. TAPE UNIT 0 OF DRT 6

FILE NAME (OR LDEV#, %SECTOR ADDRESS)? ANIMAL.PUB.GAMES

DATE? 1/1/11

ANIMAL .PUB .GAMES 1 %216306

FILE NAME (OR LDEV#, %SECTOR ADDRESS)? 1, %231577
FXXX .ACKERMAN.EASTBAY - CONTENTS OF LABEL
RETRIEVE THIS FILE (Y/N)? Y
FXXX .ACKERMAN.EASTBAY 1 231577
FILE NAME (OR LDEV#, %SECTOR ADDRESS)? 2, %130073
OTHELLO .ACKERMAN.EASTBAY - CONTENTS OF LABEL
RETRIEVE THIS FILE (Y/N)? Y
OTHELLO .ACKERMAN.EASTBAY 2 130073
FILE NAME (OR LDEV#, %SECTOR ADDRESS)?

ENTER FUNCTION: PFIL
ENTER NAME: @.CANFIELD.STAFF

ACCOUNT = STAFF GROUP = CANFIELD

A	EDCAT	INFO	LIST	SFAIL	SYSFAIL
TAPEC					

ENTER NAME: @.PUB.UTILS

ACCOUNT = UTILS GROUP = PUB

BADFILE	BLDACCT	BUILDINT	CALC	CFCOPY	CLEAN
CLKPROG	DEATH	DECOMP	DELMNT	DIAGCPU	DIRPUR3
DIRPURG2	DISCFIL2	DISCFL3	DISKEDT2	DPAN3	FCOPY
FILEDISP	FILELIST	FIND	FINDB	FINDF	FINDFIL2
FLUSHER	FLUTIL2	FLUTIL2B	FLUTIL3	GETDATA	GETFILE
GETFILEO	LABELOFF	LABELON	LOGUTIL	MAGTEST	MOVEFILE
OVERLORD	PEEKAB00	PFINO	PSCREEN	PURGE	PURGEA
PURGEDIR	RECOVER2	RESTORE	ROLAIDS	SADUTIL	SDUPII
SECTOR	SLPATCH	S00	SPOOK	STAN	SYSINFO
TAPECOPY	TAPESCAN	TAPETEST	TAPEVALD	TAPLIS	TERMTYPE
TUNER2	TUNER2B	TUNER3	TUNEROLD	WORKOUT	WORKOUT2
WRKDISC					

ENTER NAME:
ENTER FUNCTION:

ENTER FUNCTION: PDSK 2

ENTER ADDRESS: 0

LDEV= 2, DRT= 4, UNIT= 1, TYPE= 0, SUBTYPE= 9

SECTOR % 0

0:	040000	000027	077746	002040	000000	002040	000011	017556
10:	031460	030060	046510	033471	031065	052461	000000	000000
20:	000000	000000	000000	000000	000000	000000	000000	000000
30:	000000	000000	000000	000000	000000	000000	000000	000000
40:	000000	000000	000000	000000	000000	000000	000000	000000
50:	000000	000000	000000	000000	000000	000000	000000	000000
60:	000000	000000	000000	000000	000000	000000	000000	000000
70:	000000	000000	000000	000000	000000	000000	000000	000000
100:	000000	000000	000000	000000	000000	000000	000000	000000
110:	000000	000000	000000	000000	000000	000000	000000	000000
120:	000000	000000	000000	000000	000000	000000	000000	000000
130:	000000	000000	000000	000000	000000	000000	000000	000000
140:	000000	000000	000000	000000	000000	000000	000000	000000
150:	000000	000000	000000	000000	000000	000000	000000	000000
160:	000000	000000	000000	000000	000000	000000	000000	000000
170:	000000	000000	000000	000000	000000	000000	000000	000000

```
ENTER FUNCTION: EDIT
>OUTM C
>BASE 18
>DISC 2
>MODIFY %22,%42,3
  SECTOR % 44
    42: 000000:=0
    43: 000000:=0
    44: 000000:=
  WRITTEN
>MODIFY %22,%42,23
  SECTOR % 44
    42: 000000:=
    43: 000000:=
    44: 000000:=
    45: 000000:=
    46: 000000:=/
>
ENTER FUNCTION:
```

RECOVER2

DESCRIPTION:

Allows you to recreate disc files that have been copied to tape by SADUTIL

CONSIDERATIONS:

you must know lockwords
Then restore ; KEEP

Reference:
System Utilities Manual
(30000 - 90044)

RECOVER2 (cont.)

:HELLO MANAGER.SYS
HP3000 / MPE III B.01.SE. MON, FEB 11, 1980, 3:05 PM
:RUN RECOVER2

RECOVER2 B00.00 (C) HEWLETT-PACKARD CO., 1976
WISH TO KEEP EXISTING COPIES OF FILES (Y/N)?N

BADBAD .PUB	.UTILS	1	00101426273
BADBAD1 .PUB	.UTILS	1	00101012112
BLDACCT1.PUB	.UTILS	1	00100250457
DIRPUR3 .PUB	.UTILS	1	00100364643
FLUSHER .PUB	.UTILS	1	00100364653
FLUTIL3 .PUB	.UTILS	1	00101012312
GETFILE .PUB	.UTILS	1	00101425103
LIST .PUB	.UTILS	1	00100375310
LIST1 .PUB	.UTILS	1	00100364561
LIST2 .PUB	.UTILS	1	00100402105
LISTCRET.PUB	.UTILS	1	00100400330
LOGUTIL .PUB	.UTILS	1	00101426473
MAGTEST .PUB	.UTILS	1	00101012427
MOVE .PUB	.UTILS	1	00100401404
MOVEFILE.PUB	.UTILS	1	00101013435
PSCREEN .PUB	.UTILS	1	00100343016
SADUTILG.PUB	.UTILS	1	00101427273
SDUPII .PUB	.UTILS	1	00101013515

LOCKWORD: SECTOR.PUB.UTILS?

SECTOR .PUB	.UTILS	1	00100375376
SYSINFO .PUB	.UTILS	1	00101016506
TAPECOPY.PUB	.UTILS	1	00100400341
TAPESCAN.PUB	.UTILS	1	00101066327
TAPETEST.PUB	.UTILS	1	00101017005
TUNER3 .PUB	.UTILS	1	00100752566

IS THERE ANOTHER RECOVERY TAPE (Y/N)? N

END OF PROGRAM

SDUPII

DESCRIPTION:

Creates standalone tapes

CONSIDERATIONS:

when you need it you should have used it.

SDUPII

:RUN SDUPII

3000 DIAGNOSTIC UTILITY PROGRAM(SDUP)0417A.01.03
(C) COPYRIGHT HEWLETT-PACKARD COMPANY 1976

DO YOU WANT INSTRUCTIONS?
ANSWER 'YES' OR 'NO'

Y

THE DIAGNOSTIC UTILITY PROGRAM(SDUP30) IS A PROGRAM
THAT CONVERTS DIAGNOSTIC PROGRAM FILES TO A COLD LOADABLE TAPE.
THIS TAPE WILL BE USED TO COLD LOAD STAND-ALONE DIAGNOSTICS.
THERE ARE 2 TYPES OF STAND-ALONE DIAGNOSTICS

TYPE 1 IS A CPU DIAGNOSTIC WHICH HAS ONLY ONE SEGMENT AND
USES A SIMPLIFIED LOADER

TYPE 2 IS A STAND-ALONE DIAGNOSTIC WHICH MAY HAVE MORE
THAN ONE SEGMENT AND WILL BE LOADED WITH A RELOCATING LOADER.
THIS TYPE DIAGNOSTIC MAY ALSO HAVE DIALOGUE TO THE SYSTEM CONSOLE.

THE PROGRAM WILL REQUEST DIAGNOSTIC TYPE
REPLY '1' FOR CPU OR '2' FOR STANDALONE
THE PROGRAM WILL REQUEST THE NAME OF THE PROGRAM FILE
REPLY WITH THE NAME OF THE PROGRAM FILE
TYPE ANY CHARACTER TO CONTINUE

K

IF YOU WANT TO USE THE PRECONFIGURATION OPTIONS
TYPE A ';' AFTER THE PROGRAM NAME
A '/' TERMINATES THE PROGRAM INPUT PHASE

INPUT DIAGNOSTIC TYPE

2

PROGRAM NAME?

SADUTILG.UTIL.SUPP

PROGRAM NAME?

//

INPUT DRT OF THE LINE PRINTER

A CARRIAGE RETURN ASSUMES NO LINE PRINTER

MOUNT TAPE ON TAPE UNIT

TAPE REQUEST HAS BEEN ISSUED
OPERATOR MUST NOW REPLY TO REQUEST

01 SADUTILG.UTIL.SUPP

LOGICAL SEG	PHYSICAL SEG	PB
000005	000003	010000
000000	000004	023661
000001	000005	031202
000002	000006	035647
000003	000007	044664
000004	000010	051041
000006	000011	051716

END OF PROGRAM

SECTOR

DESCRIPTION:

Will convert logical sector address to Cyl., Head,
Sector for any HP supported disc.

CONSIDERATIONS:

It is unsupported

F = SECTOR

SECTOR (cont)

OPERATION:

:RUN SECTOR

SECTOR-VERSION 04/27/78

THIS PROGRAM CONVERTS SECTOR ADDRESS TO CYL,HEAD,SECTOR

DISK	TYPE	SUBTYPE
2660	1	1,2,3
7900	0	1,2
2888	0	3
7905	0	4,5,6,7
7920	0	8
7925	0	9

TYPE? 0

SUBTYPE? 9

ENTER PAR1 5

ENTER PAR2 47245

CYL=603 HEAD=7 SECTOR=37

ENTER PAR1

DISK	TYPE	SUBTYPE
2660	1	1,2,3
7900	0	1,2
2888	0	3
7905	0	4,5,6,7
7920	0	8
7925	0	9

TYPE?

END OF PROGRAM

TAPESCAN

DESCRIPTION:

Reads a mag tape and reports any parity errors found. It will also list the number of records in each file and the length of each record.

CONSIDERATION

It is unsupported

TAPESCAN (CONT)

OPERATION

:RUN TAPESCAN

MAG TAPE ANALYZER <3.0>

ENTER THE LISTING DEVICE (* FOR \$STDLIST) LP

WHAT DEVICE IS YOUR TAPE ON? 7

DO YOU WANT ALL RECROD LENGTHS LISTED?

Y

DOUBLE END OF FILE ENCOUNTERED
CONTINUE?

Y

PARITY ERROR IN RECORD 1
DOUBLE END OF FILE ENCOUNTERED
CONTINUE?

N

END OF PROGRAM

MAG TAPE ANALYZER <3.0>

TAPE DENSITY 1600 BPI

RECNUM RECORD LENGTH IN WORD

END OF FILE 1.....0 RECORDS WITH 0 PARITYS

RECNUM RECORD LENGTH IN WORD

END OF FILE 2.....0 RECORDS WITH 0 PARITYS
DOUBLE END OF FILE ENCOUNTERED

RECNUM RECORD LENGTH IN WORD

1: 40
END OF FILE 3.....1 RECORDS WITH 0 PARITYS
SMALLEST RECORD NUMBER=1 LENGTH=40
 NUMBER=1 LENGTH=401: PARITY 1664
END OF FILE 18.....2 RECORDS WITH 1 PARITYS
SMALLEST RECORD NUMBER=2 LENGTH=1664
LONGEST RECORD NUMBER=2 LENGTH=1664

RECNUM RECORD LENGTH IN WORD

1: 1024
END OF FILE 19.....1 RECORDS WITH 0 PARITYS
SMALLEST RECORD NUMBER=1 LENGTH=1024
LONGEST RECORD NUMBER=1 LENGTH=1024

MAG TAPE ANALYZER <3.0>

TAPE DENSITY 1600 RPI

END OF FILE 1.....	0 RECORDS WITH	0 PARITYS
END OF FILE 2.....	0 RECORDS WITH	0 PARITYS
DOUBLE END OF FILE ENCOUNTERED		
END OF FILE 3.....	1 RECORDS WITH	0 PARITYS
SMALLEST RECORD	NUMBER=1	LENGTH=40
LONGEST RECORD	NUMBER=1	LENGTH=40
END OF FILE 4.....	1 RECORDS WITH	0 PARITYS
SMALLEST RECORD	NUMBER=1	LENGTH=684
LONGEST RECORD	NUMBER=1	LENGTH=684
END OF FILE 5.....	2 RECORDS WITH	0 PARITYS
SMALLEST RECORD	NUMBER=2	LENGTH=2304
LONGEST RECORD	NUMBER=1	LENGTH=4096
END OF FILE 6.....	2 RECORDS WITH	0 PARITYS
SMALLEST RECORD	NUMBER=2	LENGTH=640
LONGEST RECORD	NUMBER=1	LENGTH=4096
END OF FILE 7.....	3 RECORDS WITH	0 PARITYS
SMALLEST RECORD	NUMBER=3	LENGTH=2560
LONGEST RECORD	NUMBER=1	LENGTH=4096
END OF FILE 8.....	1 RECORDS WITH	0 PARITYS
SMALLEST RECORD	NUMBER=1	LENGTH=2688
LONGEST RECORD	NUMBER=1	LENGTH=2688
END OF FILE 9.....	1 RECORDS WITH	0 PARITYS
SMALLEST RECORD	NUMBER=1	LENGTH=1280
LONGEST RECORD	NUMBER=1	LENGTH=1280
END OF FILE 10.....		

```

LONGEST
END OF FILE
SMALLEST RECORD
LONGEST RECORD      NO.
END OF FILE 15.....0
SMALLEST RECORD      NUMBER=5
LONGEST RECORD        NUMBER=1
END OF FILE 16.....2 RECORDS WITH
SMALLEST RECORD        NUMBER=2      LENGTH=2686
LONGEST RECORD          NUMBER=1      LENGTH=4096
END OF FILE 17.....1 RECORDS WITH      0 PARITYS
SMALLEST RECORD          NUMBER=1      LENGTH=896
LONGEST RECORD            NUMBER=1      LENGTH=896
END OF FILE 18.....2 RECORDS WITH      1 PARITYS
SMALLEST RECORD            NUMBER=2      LENGTH=1664
LONGEST RECORD              NUMBER=2      LENGTH=1664
END OF FILE 19.....1 RECORDS WITH      0 PARITYS
SMALLEST RECORD              NUMBER=1      LENGTH=1024
LONGEST RECORD                NUMBER=1      LENGTH=1024
                                0 PARITYS

```

```

LONGEST RECORD      NUMBER=1      LENGTH=1792
END OF FILE 61.....2 RECORDS WITH      0 PARITYS
SMALLEST RECORD      NUMBER=2      LENGTH=1152
LONGEST RECORD        NUMBER=1      LENGTH=4096
END OF FILE 62.....1 RECORDS WITH      0 PARITYS
SMALLEST RECORD        NUMBER=1      LENGTH=40
LONGEST RECORD          NUMBER=1      LENGTH=40
END OF FILE 63.....0 RECORDS WITH      0 PARITYS
DOUBLE END OF FILE ENCOUNTERED

```

RECNUM RECORD LENGTH IN WORD

1: 4096 1152

END OF FILE 61.....2 RECORDS WITH 0 PARITYS

SMALLEST RECORD NUMBER=2 LENGTH=1152

LONGEST RECORD NUMBER=1 LENGTH=4096

RECNUM RECORD LENGTH IN WORD

1: 40

END OF FILE 62.....1 RECORDS WITH 0 PARITYS

SMALLEST RECORD NUMBER=1 LENGTH=40

LONGEST RECORD NUMBER=1 LENGTH=40

RECNUM RECORD LENGTH IN WORD

END OF FILE 63.....0 RECORDS WITH 0 PARITYS

DOUBLE END OF FILE ENCOUNTERED

SLEUTH

DESCRIPTION:

Can do any thing to any device

CONSIDERATIONS:

IT IS OFFLINE

Can do anything to any device

SLEUTH (cont)

OPERATION:

D1 SLEUTH 3000 (HP D411A.01.04)
(C) COPYRIGHT HEWLETT-PACKARD COMPANY 1978.
> 10 DUMP T
TYPE CODE CORRESPONDING DEVICE
1 SIO MUX CHANNEL
2 CARD READER
3 SYNC SINGLE LINE
4 HARDWIRE SERIAL
5 2607,2613,2617,2618 LINE PRINTER
6 ASYNC MUX CHANNEL
7 TERMINAL CONTROLLER
8 SYSTEM CLOCK
9 SEL MAINT CARD
10 READER/PUNCH
11 7925 DISC
12 7920 DISC
13 7900 DISC
14 ISS DISC
15 7905 DISC
16 256 TRACK F.H.DISC
17 512 TRACK F.H.DISC
18 800 CPI MAG TAPE
19 1600 CPI MAG TAPE
20 PAPER TAPE READER
21 PAPER TAPE PUNCH
22 PLOTTER
23 2610,2614 LINE PRINTER
24 SPECIAL INTERFACE
25 UNIVERSAL INTERFACE

Prompt

LUN

DRT

Device type

No. of errors

unit

```
> 10 DEV 0,4,11,20,0
> 10 MC 0
> 20 END
> 30 RUN
> 30 DUMP P
  10 MC          0
  20 END
> 30 10 RC 0
> 10 AUTO
> 30 DUMP P
  10 RC          0
  20 END
> 30 RUN
> 30 20 LOOP 10,200 ← Loop to Line 10 200 times
> 1 AUTO
> 30 END
> 40 RUN
```

```

> 40 DUMP P
  10 RC          0
  20 LOOP      10,   200,   0,   0
  30 END
> 40 EP S
> 10 DUMP F
> 10 DUMP L
LUN#  DEV#  TYPE  ERR#  UNIT#  BAUD
  0      4    11    20     0      0
  0      0     0     0     0      0
  0      0     0     0     0      0
  0      0     0     0     0      0
  0      0     0     0     0      0

```

> 10 DB EE,20.%125252

> 10 DUMP B.EE

100060:	125252	125252	125252	125252	125252	125252	125252	125252
100070:	125252	125252	125252	125252	125252	125252	125252	125252
100100:	125252	125252	125252	125252				


```
> 40 EP
> 10 DB AA,100,W
> 50(%15252).50(3030)
> 10 DUMP B,AA
```

75162:	15252	15252	15252	15252	15252	15252	15252	15252
75172:	15252	15252	15252	15252	15252	15252	15252	15252
75202:	15252	15252	15252	15252	15252	15252	15252	15252
75212:	15252	15252	15252	15252	15252	15252	15252	15252
75222:	15252	15252	15252	15252	15252	15252	15252	15252
75232:	15252	15252	15252	15252	15252	15252	15252	15252
75242:	15252	15252	5726	5726	5726	5726	5726	5726
75252:	5726	5726	5726	5726	5726	5726	5726	5726
75262:	5726	5726	5726	5726	5726	5726	5726	5726
75272:	5726	5726	5726	5726	5726	5726	5726	5726
75302:	5726	5726	5726	5726	5726	5726	5726	5726
75312:	5726	5726	5726	5726	5726	5726	5726	5726
75322:	5726	5726	5726	5726				

> 10 DB BB,120,S
> THIS IS A SAMPLE

> 10 DUMP B.BB

75326:	52110	44523	20111	51440	40440	51501	46520	46105
75336:	52110	44523	20111	51440	40440	51501	46520	46105
75346:	52110	44523	20111	51440	40440	51501	46520	46105
75356:	52110	44523	20111	51440	40440	51501	46520	46105
75366:	52110	44523	20111	51440	40440	51501	46520	46105
75376:	52110	44523	20111	51440	40440	51501	46520	46105
75406:	52110	44523	20111	51440	40440	51501	46520	46105
75416:	52110	44523	20111	51440	40440	51501	46520	46105
75426:	52110	44523	20111	51440	40440	51501	46520	46105
75436:	52110	44523	20111	51440	40440	51501	46520	46105
75446:	52110	44523	20111	51440	40440	51501	46520	46105
75456:	52110	44523	20111	51440	40440	51501	46520	46105
75466:	52110	44523	20111	51440	40440	51501	46520	46105
75476:	52110	44523	20111	51440	40440	51501	46520	46105
75506:	52110	44523	20111	51440	40440	51501	46520	46105

> 10 DB CC.1000.R

> 10 DUMP B.CC

75516:	137764	174505	65747	57161	41605	6655	120775	136527
75526:	172013	60563	44611	14665	135015	166567	52113	27471
75536:	162425	41607	6661	121005	136547	172053	60663	45011
75546:	15265	136015	170567	56113	37471	2425	110315	115367
75556:	127513	153763	24503	154451	25657	157001	32537	170541
75566:	56037	37341	2145	167555	114067	124713	146363	11503
75576:	126451	151657	20273	144031	4617	114701	126337	151433
75606:	17623	142711	2357	110201	115137	127033	152623	22203
75616:	147651	14257	134001	164537	46033	17331	142125	1007
75626:	105261	107277	113333	123423	143603	4143	113551	124057
75636:	144673	6323	120111	134757	166473	51723	27111	161465
75646:	37707	3661	111405	117547	134053	164663	46363	20051
75656:	143365	3507	112461	121677	140333	175423	67603	62651
75666:	56765	25215	155675	30327	164121	44777	15241	135745
75676:	170447	55653	36771	1225	105715	110367	115513	127763
75706:	154503	25743	157151	33057	171401	57537	42541	105
75716:	124555	146067	10713	125071	146717	12277		
75726:	27173	161631	40217	2704				
75736:	106011	11005						

```
> DB DD
> DB DD.250,B
> 100(%123),100(%321),50(%177)
```

```
> 10 DUMP B,DD
```

77466:	51523	51523	51523	51523	51523	51523	51523	51523
77476:	51523	51523	51523	51523	51523	51523	51523	51523
77506:	51523	51523	51523	51523	51523	51523	51523	51523
77516:	51523	51523	51523	51523	51523	51523	51523	51523
77526:	51523	51523	51523	51523	51523	51523	51523	51523
77536:	51523	51523	51523	51523	51523	51523	51523	51523
77546:	51523	51523	150721	150721	150721	150721	150721	150721
77556:	150721	150721	150721	150721	150721	150721	150721	150721
77566:	150721	150721	150721	150721	150721	150721	150721	150721
77576:	150721	150721	150721	150721	150721	150721	150721	150721
77606:	150721	150721	150721	150721	150721	150721	150721	150721
77616:	150721	150721	150721	150721	150721	150721	150721	150721
77626:	150721	150721	150721	150721	77577	77577	77577	77577
77636:	77577	77577	77577	77577	77577	77577	77577	77577
77646:	77577	77577	77577	77577	77577	77577	77577	77577
77656:	77577	77577	77577	77577	77577	51523	51523	51523
77666:	51523	51523	51523	51523	51523	51523	51523	51523
77676:	51523	51523	51523	51523	51523	51523	51523	51523
77706:	51523	51523	51523	51523	51523	51523	51523	51523
77716:	51523	51523	51523	51523	51523	51523	51523	51523

```

> 10 DB AA,128,0
> 10 SEEK 0,0,0,0
> 20 RDI 0,AA
> 30 END
> 40 RUN
> 40 DUMP B

```

— SEEK LUN, CYL, HEAD, SECTOR

```

DB AA, 128
> 40 DUMP B,AA
75162: 40000 27 77746 2040 0 2040 11 20352
75172: 31460 30060 46510 33471 31065 52460 0 0
75202: 0 0 0 0 0 0 0 0
75212: 0 0 0 0 0 0 0 0
75222: 0 0 0 0 0 0 0 0
75232: 0 0 0 0 0 0 0 0
75242: 0 0 0 0 0 0 0 0
75252: 0 0 0 0 0 0 0 0
75262: 0 0 0 0 0 0 0 0
75272: 0 0 0 0 0 0 0 0
75302: 0 0 0 0 0 0 0 0
75312: 0 0 0 0 0 0 0 0
75322: 0 0 0 0 0 0 0 0
75332: 0 0 0 0 0 0 0 0
75342: 0 0 0 0 0 0 0 0
75352: 0 0 0 0 0 0 0 0

```

D1 SLEUTH 3000 (HP D411A.01.04)
 (C) COPYRIGHT HEWLETT-PACKARD COMPANY 1978.

> 10 DEV 0.4,11,20.0
 > 10 DB AA,128,0
 > 10 SEEK 0,0,0,1
 > 20 RDI 0,AA
 > 30 END
 > 40 RUN
 > 40 DUMP B,AA

75162:	7	13472	22016	23256	23322	41222	62026	62632
75172:	0	0	0	0	0	0	0	0
75202:	0	0	0	0	0	0	0	0
75212:	0	0	0	0	0	0	0	0
75222:	0	0	0	0	0	0	0	0
75232:	0	0	0	0	0	0	0	0
75242:	0	0	0	0	0	0	0	0
75252:	0	0	0	0	0	0	0	0
75262:	0	0	0	0	0	0	0	0
75272:	0	0	0	0	0	0	0	0
75302:	0	0	0	0	0	0	0	0
75312:	0	0	0	0	0	0	0	0
75322:	0	0	0	0	0	0	0	0
75332:	0	0	0	0	0	0	0	0
75342:	0	0	0	0	0	0	0	0
75352:	0	0	0	0	0	0	16247	1457

```

> 10 SEEK 0,0,1,1
> 1AUTO
> 40 DJMP P
  10 SEEK      0,      0,      1,      1
  20 RDI        C,      AA,      %2
  30 END
> 40 RJN
> 40 DUMP B,AA
75162: 110143      4      17      27 10743      0 20040 20040
75172: 20040 20040 40503 45505 51115 40516 2366 7
75202: 44120 41517 51120 20040 1461 7 51505 51126
75212: 44503 42440 1634 1 51517 52524 44102 40531
75222: 1562 10 10 10 10 10 10 10
75232: 10 10 10 10 10 10 10 10
75242: 10 10 10 10 10 10 10 10
75252: 10 10 10 10 10 10 10 10
75262: 10 10 10 10 10 10 10 10
75272: 10 10 10 10 10 10 10 10
75302: 10 10 10 10 10 10 10 10
75312: 10 10 10 10 10 10 10 10
75322: 10 10 10 10 10 10 10 10
75332: 10 10 10 10 10 10 10 10
75342: 10 10 10 10 10 10 10 10
75352: 10 10 10 10 10 10 10 10

```

```

> 10 EP
> 10 DEV 0,4,11,20,0
> 10 DB AA,128,0
> 10 PUT "CYL"
> 20 GET C
> 30 PUT "HEAD"
> 40 GET H
> 50 PUT "SECTOR"
> 60 GET S
> 70 SEEK 0,C,H,S
> 80 RDI 0,AA
> 90 END
>100 RUN

```

CYL

3

HEAD

4

SECTOR

12

```
>100 DUMP B,AA
```

75162:	0	0	0	0	0	0	0	0
75172:	0	0	0	0	0	0	0	0
75202:	0	0	0	0	0	0	0	0
75212:	0	0	0	0	0	0	0	0
75222:	0	0	0	0	0	0	0	0
75232:	0	0	0	0	0	0	0	0
75242:	0	0	0	0	0	0	0	0
75252:	0	0	0	0	0	0	0	0
75262:	0	0	0	0	0	0	0	0
75272:	0	0	0	0	0	0	0	0
75302:	0	0	0	0	0	0	0	0
75312:	0	0	0	0	0	0	0	0
75322:	0	0	0	0	0	0	0	0
75332:	0	0	0	0	0	0	0	0
75342:	0	0	0	0	0	0	0	0
75352:	0	0	0	0	0	0	0	0

>100 RUN

CYL

0

HEAD

1

SECTOR

1

>100 DUMP B.AA

75162:	110143	4	17	27	10743	0	20040	20040
75172:	20040	20040	40503	45505	51115	40516	2366	7
75202:	44120	41517	51120	20040	1461	7	51505	51126
75212:	44503	42440	1634	1	51517	52524	44102	40531
75222:	1562	10	10	10	10	10	10	10
75232:	10	10	10	10	10	10	10	10
75242:	10	10	10	10	10	10	10	10
75252:	10	10	10	10	10	10	10	10
75262:	10	10	10	10	10	10	10	10
75272:	10	10	10	10	10	10	10	10
75302:	10	10	10	10	10	10	10	10
75312:	10	10	10	10	10	10	10	10
75322:	10	10	10	10	10	10	10	10
75332:	10	10	10	10	10	10	10	10
75342:	10	10	10	10	10	10	10	10
75352:	10	10	10	10	10	10	10	10

```
>100 EP S
> 10 DUMP P
> 10 PUT "BEGIN"
> 20 GET C
> 30 PUT "END"
> 40 GET E
> 50 FOR I = C TO E
> 60 SEEK 0,C,0,0
> 70 RDI 0,AA
> 80 NEXT I
> 90 END
>100 RUN
BEGIN
2
END
30
>100 RUN
BEGIN
0
END -
500
```

```

>100 DUMP P
  10 PUT BEGIN
  20 GET C
  30 PUT END
  40 GET E
  50 FOR I = C TO E
  60 SEEK 0, C, 0, 0
  70 RDI C, AA, %2
  80 NEXT I
  90 END
>100 50 LET C=C+1
> 80 IF C<E THEN 50
> 85 GOTO 10
> 45 IF E=0 THEN 90
> 1 AUTO
>100 DUMP P
  10 PUT BEGIN
  20 GET C
  30 PUT END
  40 GET E
  45 IF E = 0 THEN 90
  50 LET C=C+1
  60 SEEK 0, C, 0, 0
  70 RDI 0, AA, %2
  80 IF C < E THEN 50
  85 GOTO 10
  90 END
>100 RUN
BEGIN
0
END
100
BEGIN
2
END
4
BEGIN
32
END
0
>100

```

```
10 PUT BEGIN
20 GET C
30 PUT END
40 GET E
45 IF E = 0 THEN 90
50 LET C=C+1
60 SEEK 0, C, 0, 0
70 RDI 0, AA, %2
80 IF C < E THEN 50
85 GOTO 10
90 END
>100 65 LIST C,8
> 66 LIST C,10
> 1 AUTO
>100 DUMP P
10 PUT BEGIN
20 GET C
30 PUT END
40 GET E
45 IF E = 0 THEN 90
50 LET C=C+1
60 SEEK 0, C, 0, 0
65 LIST C, 8
66 LIST C, 10
70 RDI 0, AA, %2
80 IF C < E THEN 50
85 GOTO 10
90 END
>100 RUN
```

BEGIN

1

END

4

%2

2

%3

3

%4

4

BEGIN

1

END

0

>100

```
> EP S
> 10 RS 0
> 20 LOOP 10,500
> 30 END
> 40 RUN
> 40 DUMP P
  10 RS      0
  20 LOOP    10,    500,    0,    0
  30 END
> 40 15 RS 0
> DUMP P
  10 RS      0
  15 RS      0
  20 LOOP    10,    500,    0,    0
  30 END
> REN
> DUMP P
  10 RS      0
  20 RS      0
  30 LOOP    10,    500,    0,    0
  40 END
> 5 RS 0
> DUMP P
  5 RS       0
  10 RS      0
  20 RS      0
  30 LOOP    10,    500,    0,    0
  40 END
> REN
> DUMP P
  10 RS      0
  20 RS      0
  30 RS      0
  40 LOOP    20,    500,    0,    0
  50 END
```

```
> 10 DEV 0.8,23,100.0
> 10 RP 0.132
> 20 END
> 30 RUN
> 30
```

MEMLOGAN / MEMTIMER

DESCRIPTION:

Allows detecting memory problems before they occur.

Reference
System Utilities Manual
(30000-90044)

MEMLOGAN / MEMTIMER

OPERATION:

:RUN MEMLOGAN.PUB.SYS

MEMLOGAN 800.00 (C) HEWLETT-PACKARD CO., 1978

LOGGING STARTED - DATE: 1/ 7/79 TIME: 10:27
FIRST ERROR LOGGED - DATE: 1/ 7/79 TIME: 10:27
LAST ERROR LOGGED - DATE: 2/ 6/80 TIME: 13:04
LAST LOG UPDATE - DATE: 2/ 6/80 TIME: 13:04
TIMING INTERVAL - 1:00:00

I ADDRESS		I ERROR TYPE			I ERROR I		
I CONTROLLER	I BOARD	I ROW	I TYPE	BIT	CHIP	I COUNT	I
I CONTROLLER A	I 0	I 0	I DATA	3	U49	I 1	I
I	I	I 0	I MULTIPLE BIT ERROR			I 1	I
I	I	I 1	I DATA	2	U38	I 1	I
I	I	I 1	I MULTIPLE BIT ERROR			I 1	I
I	I 1	I 1	I DATA	2	U38	I 398	I

END OF PROGRAM

```
:RUN MEMLOGAN.PUB.SYS;PARM=1
```

```
MEMLOGAN B00.00 (C) HEWLETT-PACKARD CO., 1978
```

```

LOGGING STARTED      - DATE:  1/ 7/79   TIME: 10:27
FIRST ERROR LOGGED   - DATE:  1/ 7/79   TIME: 10:27
LAST ERROR LOGGED    - DATE:  2/ 6/80   TIME: 13:04
LAST LCG UPDATE      - DATE:  2/ 6/80   TIME: 13:04
TIMING INTERVAL      - 1:00:00

```

```

-----
I      ADDRESS                      I      ERROR TYPE      I ERROR I
-----
I CONTROLLER  I BOARD I ROW I TYPE  BIT  CHIP  I COUNT I
-----
I CONTROLLER A I  0    I  0 I DATA    3  U49  I    1 I
I              I      I  0 I MULTIPLE BIT ERROR I    1 I
I              I      I  1 I DATA    2  U38  I    1 I
I              I      I  1 I MULTIPLE BIT ERROR I    1 I
I              I  1    I  1 I DATA    2  U38  I   398 I
-----

```

```
END OF PROGRAM
```

```
:REDO
```

```
RUN MEMLOGAN.PUB.SYS;PARM=1
```

```
MEMLOGAN B00.00 (C) HEWLETT-PACKARD CO., 1978
```

```
* NO ENTRIES IN MEMLOG FILE *
```

```
END OF PROGRAM
```

:RUN MENTIMER.PUB.SYS;PARM=2

MENTIMER 800.00 (C) HEWLETT-PACKARD CO., 1976

END OF PROGRAM

:RUN MEMLOGAN.PUB.SYS

MEMLOGAN 800.00 (C) HEWLETT-PACKARD CO., 1978

LOGGING STARTED - DATE: 2/ 6/80 TIME: 13:31
FIRST ERROR LOGGED - DATE: 2/ 6/80 TIME: 13:31
LAST ERROR LOGGED - DATE: 2/ 6/80 TIME: 13:31
LAST LOG UPDATE - DATE: 2/ 6/80 TIME: 13:31
TIMING INTERVAL - 0:00:02

I	ADDRESS	I	ERROR TYPE			I	ERROR	I				
I	CONTROLLER	I	BOARD	I	ROW	I	TYPE	BIT	CHIP	I	COUNT	I
I	CONTROLLER A	I	1	I	1	I	DATA	2	U38	I	1	I

END OF PROGRAM

RUN MEMLOGAN.PUB.SYS

MEMLOGAN B00.00 (C) HEWLETT-PACKARD CO., 1978

LOGGING STARTED - DATE: 2/ 6/80 TIME: 13:31
 FIRST ERROR LOGGED - DATE: 2/ 6/80 TIME: 13:31
 LAST ERROR LOGGED - DATE: 2/ 6/80 TIME: 13:32
 LAST LOG UPDATE - DATE: 2/ 6/80 TIME: 13:32
 TIMING INTERVAL - 0:00:02

I	ADDRESS			I	ERROR TYPE			I	ERROR I

I	CONTROLLER	I	BOARD	I	ROW	I	TYPE	BIT	CHIP

I	CONTROLLER A	I	1	I	1	I	DATA	2	U38

END OF PROGRAM

:RUN MENTIMER.PUB.SYS;PARM=3600

MENTIMER 800.00 (C) HEWLETT-PACKARD CO., 1976

END OF PROGRAM

RUN MEMLOGAN.PUB.SYS

MEMLOGAN 800.00 (C) HEWLETT-PACKARD CO., 1978

LOGGING STARTED - DATE: 2/ 6/80 TIME: 13:31
FIRST ERROR LOGGED - DATE: 2/ 6/80 TIME: 13:31
LAST ERROR LOGGED - DATE: 2/ 6/80 TIME: 13:35
LAST LOG UPDATE - DATE: 2/ 6/80 TIME: 13:35
TIMING INTERVAL - 1:00:00

I	ADDRESS			I	ERROR TYPE			I	ERROR I			

I	CONTROLLER	I	BOARD	I	ROW	I	TYPE	BIT	CHIP	I	COUNT	I

I	CONTROLLER A	I	1	I	1	I	DATA	2	U38	I	6	I

END OF PROGRAM

SYSINFO

DESCRIPTION:

Prints system configuration

CONSIDERATIONS:

it is unsupported

SYSINFO (cont)

OPERATION:

:RUN SYSINFO.PUB.UTILS

CONFIGURATION INFORMATION DISPLAY V1.0 (9/78) WED, FEB 6, 1980, 11:54 AM

LISTING ON THE LINE PRINTER? Y

END OF PROGRAM

CONFIGURATION INFORMATION DISPLAY V1.0 (9/78) WED, FEB 6, 1980, 11:54 AM

SYSTEM-ID = HP32002B.01.SE

MEMORY SIZE (K WORDS) 256
 LINKED MEMORY (WORDS) 218848
 FIXED MEMORY (WORDS) 43296

HIGHEST DRT# 20

HIGHEST LDEV# 31

LOG DEV #	DRT #	U N I T	C H A N G E	T Y P E	SUB Y T Y P E	TERM T Y P E	REC S P E E D	WIDTH	OUTPUT D E V	MODE	DRIVER N A M E	DEVICE C L A S S E S
1	4	0	0	0	9		128	0			*IOMDISC1	DISC
6	14	0	0	32	2		66	0			S IOLPRT0	SPool LP LP2619
7	6	0	0	24	0		128	0			IOTAPE0	TAPE
8	6	1	0	24	0		128	0			IOTAPE0	TAPE
9	6	2	0	24	0		128	0			IOTAPE0	TAPE
10	6	3	0	24	0		128	LP	JA		IOTAPE0	JTAPE
20	7	0	0	16	0	10	40	20	JAID		IOTERMO	TERM
21	7	1	0	16	0	10	40	21	JAID		IOTERMO	TERM
22	7	2	0	16	0	4	40	22	JAID		IOTERMO	SHEA TERM
23	7	3	0	16	0	10	40	23	JAID		IOTERMO	SPEC TERM
24	7	4	0	16	0	10	40	24	JAID		IOTERMO	TERM
25	7	5	0	16	1	10	40	25	JAID		IOTERMO	MOD300
26	7	6	0	16	0	10	40	26	JAID		IOTERMO	MODEM TERM

27	7	7	0	16	0	10	40	27	JAID	IOTERM0	TERM
28	7	8	0	16	0	10	40	28	JAID	IOTERM0	TERM
29	7	9	0	16	0	10	40	29	JAID	IOTERM0	TERM
30	7	10	0	16	0	10	40	30	JAID	IOTERM0	TERM
31	7	11	0	16	1	10	40	31	JAID	IOTERM0	VADIC
32	7	12	0	16	1	10	40	32	JAID	IOTERM0	VADIC
33	7	13	0	16	1	10	40	33	JAID	IOTERM0	VADIC
34	7	14	0	16	1	10	40	34	JAID	IOTERM0	VADIC
35	7	15	0	16	1	10	40	35	JAID	IOTERM0	MOD1200
36	16	0	0	16	0		0	0		CSSBSC0	SSLC1
64#36	0	0	16	0	14		40	64		IOMPS0	MPSUP1
80#36	11	0	16	0	14		40	80	JAID	IOMPTRM0	MPTERM
81#36	12	0	16	0	15		40	81	JAID	IOMPTRM0	MPTERM

LCN	PM	PRT	LCL	TC	RCV	LCL	CON	MODE	TRANSMIT	TM	BUFFER	D	DRIVER
			MOD		TMOUT	TMOUT	TMOUT		SPEED		SIZE	C	OPTIONS
36	C	1	1	1	20	60	900	01A	C	1200	1	1000	Y 0

CLASS NAME	ACCESS TYPE	LOGICAL DEVICES
DISC	DA	1
JTAPE	I/O,NC	10
LP	OUT	6
LP2619	OUT	6
MOD1200	I/O,C	35
MOD300	I/O,C	25
MODEM	I/O,C	26
MPSUP1	I/O,C	64
MPTERM	I/O,C	80,81
SHEA	I/O,C	22
SPEC	I/O,C	23
SPOOL	DA	1
SSLC1	18	36
TAPE	I/O,NC	7,8,9
TERM	I/O,C	20,21,24,26,22,23,27,28,29,30
VADIC	I/O,C	31,32,33,34

TIME QUANTUM (MS)	500
TPRI =	152
CPRI =	160
DPRI =	180
JOB LIMIT	10
SESSION LIMIT	16
SECS TO LOGON	120

LOG REC SIZE	6
LOG FILE SIZE	512
LOG FILE #	66

STACK SIZE	800
MAX STACK SIZE	31232
MAX XDS SIZE	32767
MAX NUMBER XDS	20
MAX CODE SEG SIZE	16384
MAX # CODE SEGS	63

SPOOL EXTENT SIZE:	512
MAX SPOOL SECTORS	128
MAX OPEN SPOOFLES	30

TYPE	EVENT	STATUS
------	-------	--------

1	LOGGING ENABLED	ON
2	JOB INITIATION	ON
3	JOB TERMINATION	ON
4	PROCESS TERMINATION	ON
5	FILE CLOSE	OFF
6	SYSTEM SHUTDOWN	OFF
7	POWER FAIL	OFF
8	SPOOLING	ON
9	LINE DISCONNECTION	OFF
10	LINE CLOSE	OFF
11	I/O ERROR	ON
12	VOLUME MOUNT	OFF
13	VOLUME SET MOUNT	OFF
14	TAPE LABELS	ON

#CST ENTRIES	192
#DST ENTRIES	1024
#PCB ENTRIES	96
#IOQ ENTRIES	255
#XCST ENTRIES	512
BREAKPOINT ENTRIES	64
LOCAL RINS	48
GLOBAL RINS	0

TERM BUFFERS	96
SYSTEM BUFFERS	12
ICS	512
UCOP REQ QUE	40
MAM TABLE SIZE	512
TIMER REQ LIST	48
VIRTUAL SECTORS	32000
DIRECTORY SECTORS	3500

TUNER3

DESCRIPTION:

Displays useage of system tables

CONSIDERATIONS:

It is unsupported

TUNER3 (cont)

OPERATION:

:RUN TUNER3

TUNER2-VERSION 01/19/79

THE MAX IN USE IS SINCE THE LAST XXXXSTART
EXCEPT FOR SPOOL SPACE,VIRTUAL MEMORY,CST
BLOCK TABLE,JOB PROCESS COUNT TABLE AND
JOB/SESSION COUNT WHICH ARE MAX SINCE THIS
PROGRAM STARTED.

THE MAX IN USE FOR VIRTUAL MEMORY AND XCST
MAY REPRESENT ENTRIES CONSUMED BY FRAGMENTATION.
THE VALUE INSIDE () REPRESENTS THE PRIMARY AREA.

AN * BY A TABLE NAME INDICATES THIS TABLE HAS
REACHED A LEVEL OF CONCERN WHERE PERHAPS THE
SIZE OF THE TABLE SHOULD BE INCREASED.
CONTINUOUS PRINTING OR PRINT ONLY ON CONTROL Y?
WHICH DO YOU WISH?(0=CONTINUOUS,1=CONTROL Y)>

TABLE	CONFIG.	MX USED	MX OBSRVD	CUR USED	MAX %	CUR %	SIZE/WDS
DST	1024	183	80	80	17.9	7.8	4
CST	192	132	119	119	68.8	62.0	4
XCST	512	140	19	19	27.3	3.7	4
PCB	96	45	18	18	46.9	18.8	16
IOQ	255 (249)	28	1	1	11.0	.4	11
TBUF	96 (84)	17	0	0	17.7	00.0	16
SRUF	12 (10)	10	0	0	83.3	00.0	129
TRL	48	7	4	4	14.6	8.3	4
MAM	512	36	0	0	7.0	00.0	5
ICS	512	181			35.4		1
CSTRK	28	9	9	9	32.1	32.1	1
WSTB1	31	12	12	12	38.7	38.7	16
WSTB2	48	4	4	4	8.3	8.3	16
JPCNT	26	2	2	2	7.7	7.7	1
VMEM	32000	1152	1148	1148	3.6	3.6	SECTORS
SPOOL	128000		0	0	00.0	00.0	SECTORS

AVG SIZE OF DST=903 LOW=903 HIGH=903 LARGEST=4100 SMALLEST=12
 AVG SIZE OF CST=2617 LOW=2617 HIGH=2617 LARGEST=7464 SMALLEST=20
 AVG SIZE OF XCST=1615 LOW=1615 HIGH=1615 LARGEST=4096 SMALLEST=248
 CURRENT # SESSIONS=2 # JOBS=0 MAX # OF SESSIONS=2 # JOBS=0
 TIME (IN SECONDS) SINCE START=0 START: 12:21:39 CURRENT: 12:21:47

LISTLOG2

DESCRIPTION:

Prints in ASCII format the contents of any
MPE Log files

Reference
System Utilities manual
(30000-90044)

LISTLOG2

OPERATION:

:RUN LISTLOG2.PUB.SYS

LISTLOG2 H01.00 (C) HEWLETT-PACKARD CO., 1979
ENTER FIRST AND LAST LOG FILE TO BE ANALYZED

FIRST?159

LAST?160

ENTER EVENTS TO BE PRINTED

TYPE NO. EVENT

- 0 LOG FAILURE
- 1 SYSTEM UP
- 2 JOB INITIATION
- 3 JOB TERMINATION
- 4 PROCESS TERMINATION
- 5 FILE CLOSE
- 6 SYSTEM SHUTDOWN
- 7 POWER FAILURE
- 8 SPOOLING LOG RECORD
- 9 LINE DISCONNECTION
- 10 LINE CLOS
- 11 I/O ERRORS
- 12 VOLUME MOUNT/DISMOUNT
- 13 VOLUME SET MOUNT/DIS.
- 14 TAPE LABELS
- 15 CONSOLE LOG

ENTER EVENT NUMBERS SEPARATED BY COMMAS

A CARRIAGE RETURN ASSUMES ALL EVENTS WILL BE EVALUATED

11

DO YOU WANT TO PURGE LOG FILES?NO

DO YOU WISH TO RUN AGAIN(Y OR N)?N

- END OF PROGRAM

9 :36:18:5 I/O SYS

```
*-----*
DRT/UNIT--LDEV--STATUS--TYPE/--DVR/--XMISSION/--DRIVER/
SUBTYPE FUNCT COUNT DATA A
6 0 7 100552 24 0 1 1024 100001
ASDYWBCFMPLRT G--TARGET/--TARGET/--PCB/--DVR/--DVR/ UENC
DST# ADDRESS STAT PAR1 PAR2-DVR C
0000100100000000 000121 002116 010421 000000 000014
*-----*
```

9 :38:42:3 I/O SYS

```
*-----*
DRT/UNIT--LDEV--STATUS--TYPE/--DVR/--XMISSION/--DRIVER/
SUBTYPE FUNCT COUNT DATA A
6 0 7 100552 24 0 1 1024 100001
ASDYWBCFMPLRT G--TARGET/--TARGET/--PCB/--DVR/--DVR/ UENC
DST# ADDRESS STAT PAR1 PAR2-DVR C
0000100100000000 000121 002116 010421 000000 000014
*-----*
```

9 :41:43:0 I/O SYS

```
*-----*
DRT/UNIT--LDEV--STATUS--TYPE/--DVR/--XMISSION/--DRIVER/
SUBTYPE FUNCT COUNT DATA A
6 0 7 100512 24 0 0 0 100107
ASDYWBCFMPLRT G--TARGET/--TARGET/--PCB/--DVR/--DVR/ UENC
DST# ADDRESS STAT PAR1 PAR2-DVR C
0000100100000000 100077 001232 006074 000000 000000
*-----*
```

LOGUTIL

DESCRIPTION:

Prints i/o error logs in a more readable form
than LISTLOG2

CONSIDERATIONS:

It is unsupported

LOGUTIL (cont)

OPERATION:

:RUN LOGUTIL

LOGUTIL <6.4> WED, FEB 6, 1980, 12:52 PM
AUDIT, SNAP, OR ERRORLIST ? E
ENTER THE 'LIST' DEVICE (RETURN => \$STOLIST) LP
ENTER STARTING, STOPPING LOGFILE NUMBERS ?159,160
IS INPUT FROM DISC OR TAPE ? DISC
LIST INDIVIDUAL ERRORS ? Y
ENTER Y/N FOR THE TYPES TO BE LISTED
TYPE 0 MOVING HEAD DISC Y
TYPE 1 FIXED HEAD DISC
TYPE 8 CARD READER
TYPE 9 PAPER TAPE READER
TYPE 16 TERMINAL
TYPE 18 RJE-LINE
TYPE 19 HIGH SPEED SERIAL
TYPE 20 READER/PUNCH
TYPE 22 SYNC SNGL LINE CNTRL
TYPE 23 PROG CONTROLLER
TYPE 24 MAG TAPE Y
TYPE 32 LINE PRINTER
TYPE 33 CARD PUNCH
TYPE 34 PAPER TAPE PUNCH
TYPE 35 PLOTTER
TYPE 41 DS-3000

END OF PROGRAM

*****TUE, FEB 5, 1980, 9:36 AM*****MAG TAPE
LOGICAL DEVICE 7 DRT 6 UNIT 0 STATUS= %100552
FUNCTION IS WRITE
COMPLETION STATUS: <SUCESSFUL> WITH TAPE RETRY
MISC DATA =%100001, #P1=%000000 , #P2=%000014
NO TRANSFER IN PROGRESS
READY INTERRUPT
NOT READY INTERRUPT
CLEAR INTERFACE INTERRUPT
TRANSFER ERROR INTERRUPT

*****TUE, FEB 5, 1980, 9:38 AM*****MAG TAPE
LOGICAL DEVICE 7 DRT 6 UNIT 0 STATUS= %100552
FUNCTION IS WRITE
COMPLETION STATUS: <SUCESSFUL> WITH TAPE RETRY
MISC DATA =%100001, #P1=%000000 , #P2=%000014
NO TRANSFER IN PROGRESS
READY INTERRUPT
NOT READY INTERRUPT
CLEAR INTERFACE INTERRUPT
TRANSFER ERROR INTERRUPT

*****TUE, FEB 5, 1980, 9:41 AM*****MAG TAPE
LOGICAL DEVICE 7 DRT 6 UNIT 0 STATUS= %100512
FUNCTION IS READ
COMPLETION STATUS: <IRRECOVERABLE ERROR> TAPE PARITY ERROR
MISC DATA =%100107, #P1=%000000 , #P2=%000000
NO TRANSFER IN PROGRESS
READY INTERRUPT
CLEAR INTERFACE INTERRUPT
TRANSFER ERROR INTERRUPT

! SUMMARY OF I/O ERRORS !

*****MAG TAPE

LOGICAL DEVICE 7 DRT 6 UNIT 0
HAD 3 READ AND 116 WRITE ERRORS. TOTAL ERRORS =119
THERE WERE 2 I/O REQUEST ABORTED EXTERNALLY
THERE WERE 117 NO TRANSFER IN PROGRESS
THERE WERE 2 COMMAND SENT 3000 -> DEVICE
THERE WERE 2 LINE READY INTERRUPT
THERE WERE 117 READY INTERRUPT
THERE WERE 114 NOT READY INTERRUPT
THERE WERE 115 CLEAR INTERFACE INTERRUPT
THERE WERE 115 TRANSFER ERROR INTERRUPT
THERE WERE 2 READY

*****MAG TAPE

LOGICAL DEVICE 8 DRT 6 UNIT 1
HAD 8 READ AND 18 WRITE ERRORS. TOTAL ERRORS =27
THERE WERE 2 I/O REQUEST ABORTED EXTERNALLY
THERE WERE 1 SYSTEM BUFFER USED
THERE WERE 2 NO TRANSFER IN PROGRESS
THERE WERE 25 BYTE SENT 3000 -> DEVICE
THERE WERE 20 READY INTERRUPT
THERE WERE 18 NOT READY INTERRUPT
THERE WERE 22 CLEAR INTERFACE INTERRUPT
THERE WERE 1 I/O SYSTEM INTERRUPT
THERE WERE 24 TRANSFER ERROR INTERRUPT
THERE WERE 1 READY
THERE WERE 2 WATCHDOG TIMER INTERRUPT

*****TERMINAL

LOGICAL DEVICE 32 DRT 7 UNIT 12
HAD 1 READ AND 0 WRITE ERRORS. TOTAL ERRORS =1
THERE WERE 1 REQUEST COMPLETE
THERE WERE 1 I/O REQUEST ABORTED BY POWER FAIL
THERE WERE 1 RECEIVE CHARACTER MODE

TAPETEST

DESCRIPTION:

THIS PROGRAM CERTIFIES MAG TAPES AND MAY BE USED TO SET UP AND CHECK OUT TAPE DRIVES. IT WRITES RECORDS OF 4095 WORDS IN LENGTH. EACH WORD HAS ALL BITS SET TO ONES. AFTER EACH WRITE A CHECK IS MADE TO DETERMINE THE NUMBER OF RETRYS THE SYSTEM HAD TO MAKE IN ORDER TO WRITE THE RECORD. ALL RETRYS AND TAPE ERRORS ARE REPORTED ALONG WITH THE RECORD NUMBER AND POSITION ON THE TAPE (IN FEET).

TAPETEST (cont)

OPERATION:

:RUN TAPETEST

***** TAPETEST <2.0> *****

MOUNT THE TAPE TO BE TESTED FOR FILE 'TESTTAPE'

YOU MAY TYPE CONTROL-Y AT ANY TIME TO SUSPEND

THE PROGRAM AND CONTROL THE TAPE

WHAT DEVICE IS THE TESTTAPE ON ? 7

1600 BPI TAPE DRIVE

ENTER ACTION(WRITE,REWIND,EXIT,PAUSE,NOPAUSE,TAPE)? WRITE

WRITE RETRY ON RECORD #433 214 FEET

END OF TAPE

CERTIFIED 214 FEET WITH 1 ERRORS

ENTER ACTION(WRITE,REWIND,EXIT,PAUSE,NOPAUSE,TAPE)? EXIT

***** END OF TAPETEST *****

END OF PROGRAM

:RUN TAPETEST

***** TAPETEST <2.0> *****

MOUNT THE TAPE TO BE TESTED FOR FILE 'TESTTAPE'

YOU MAY TYPE CONTROL-Y AT ANY TIME TO SUSPEND *

THE PROGRAM AND CONTROL THE TAPE

WHAT DEVICE IS THE TESTTAPE ON ? 8

1600 BPI TAPE DRIVE

ENTER ACTION(WRITE,REWIND,EXIT,PAUSE,NOPAUSE,TAPE)? WRITE

WRITE RETRY	ON RECORD #333	165 FEET
WRITE RETRY	ON RECORD #477	236 FEET
WRITE RETRY	ON RECORD #568	281 FEET
WRITE RETRY	ON RECORD #612	302 FEET
WRITE RETRY	ON RECORD #1843	911 FEET
WRITE RETRY	ON RECORD #1917	947 FEET
WRITE RETRY	ON RECORD #1960	969 FEET
WRITE RETRY	ON RECORD #2429	1200 FEET

END OF TAPE

CERTIFIED 1201 FEET WITH 8 ERRORS

ENTER ACTION(WRITE,REWIND,EXIT,PAUSE,NOPAUSE,TAPE)? EXIT

***** END OF TAPETEST *****

END OF PROGRAM

#GUIDE

RUN TAPETEST (NO FILE EQUATIONS ARE NEEDED)

IF RUN FROM A SESSION:

THE PROGRAM WILL ASK FOR THE DEVICE NAME OF THE MAG TAPE DRIVE TO BE USED. REPLY WITH A LOGICAL DEVICE NUMBER, DEVICE CLASS NAME, OR 'TAPE'.

THE PROGRAM WILL OPEN THE TAPE FILE, VERIFY THAT IT IS A MAG TAPE, LIST THE TAPE DENSITY, THEN ASK FOR A COMMAND.

VALID COMMANDS ARE:

WRITE.....CERTIFY THE TAPE BY WRITING ON IT.

REWIND.....REWIND THE CURRENT TAPE.

PAUSE.....PAUSE ON ANY ERROR DETECTED.

NOPAUSE.....DON'T PAUSE ON ERRORS.

TAPE.....SELECT ANOTHER TAPE DRIVE.

EXIT.....TERMINATE THE PROGRAM.

TYPING A CONTROL-Y WHILE THE PROGRAM IS CERTIFYING WILL RETURN TO THE COMMAND INPUT POINT AND ACCEPT A NEW COMMAND.

AT THE END OF THE TAPE THE TAPE IS REWOUND, THE TOTAL LENGTH OF THE TAPE IS LISTED AND THE PROGRAM ASKS FOR A NEW COMMAND.

BLDACCT1

DESCRIPTION:

Builds a stream job to recreate the accounting structure

CONSIDERATIONS:

it is unsupported

should have done it when you need it

will not recreate user attributes

store job files on tape

BLDACCT1 (cont.)

OPERATION:

:RUN BLDACCT1

BULDACCT-VERSION 3/16/77

THIS PROGRAM WILL RECONSTRUCT THE ACCOUNTING STRUCTURE

THE FILE JOHACCT AND JOBACCTB CAN BE TEXTED IN
BY THE EDITOR TO INSURE IT IS CORRECT
THIS FILE CAN BE STREAMED TO REBUILD THE ACCOUNTS

HAVE A HAPPY DAY

END OF PROGRAM
:RUN PSCREEN

```

:JOB MANAGER.SYS;HIPRI
:CONTINUE
:NEWACCT ACKERMAN,MARTIN;PASS=TROLL;MAXPRI=HS&
::CAP=SM,AM,AL,GL,DI,OP,UV,CS,ND,SF,BA,IA,PM,MR,DS,PH;ACCESS=(&
:R,X:ANY;A,W,L:AC)
:CONTINUE
:NEWACCT ANY,USER;PASS=;MAXPRI=CS&
::CAP=AM,AL,GL,ND,SF,BA,IA;ACCESS=(&
:R,A,W,L,X:AC)
:CONTINUE
:NEWACCT CLASS,TEST;PASS=;MAXPRI=CS&
::CAP=AM,AL,GL,ND,SF,BA,IA;ACCESS=(&
:R,A,W,L,X:AC)

::CAP=SM,AM,AL,GL,DI,OP,UV,CS,ND,SF,BA,IA,PM,MR,DS,PH;ACCESS=(&
:R,X:ANY;A,W,L:AC)
:CONTINUE
:NEWACCT SUPP1,TEST;PASS=;MAXPRI=CS&
::CAP=AM,AL,GL,ND,SF,BA,IA;ACCESS=(&
:R,A,W,L,X:AC)
:CONTINUE
:NEWACCT SUPPORT,FIELD;PASS=;MAXPRI=BS&
::CAP=SM,AM,AL,GL,DI,OP,UV,CS,ND,SF,BA,IA,PM,MR,DS,PH;ACCESS=(&
:R,X:ANY;A,W,L:AC)
:CONTINUE
:NEWACCT UTILS,MANAGER;PASS=;MAXPRI=BS&
::CAP=SM,AM,AL,GL,DI,OP,CS,ND,SF,BA,IA,PM,MR,DS,PH;ACCESS=(&
:R,X:ANY;A,W,L:AC)
:CONTINUE
:STREAM JOBACCTB
:EOJ

```

```
:JOB MARTIN.ACKERMAN/TROLL
:CONTINUE
:NEWGROUP LOG;PASS=&
::CAP=HA,IA;ACCESS=(&
:R,A,W,L,X,S:GU)
:CONTINUE
:NEWGROUP PROG;PASS=&
::CAP=BA,IA,PM,DS,PH;ACCESS=(&
:R,X:ANY;A,W,L,S:AL;A,W,L,S:GU)
:CONTINUE
:ALTGROUP PUB;PASS=&
::CAP=HA,IA,PM,MR,DS,PH;ACCESS=(&
:R,X:ANY;A,W,L,S:AL;A,W,L,S:GU)
:CONTINUE
:NEWGROUP SOURCE;PASS=&
::CAP=BA,IA,PM,DS,PH;ACCESS=(&
:R,X:ANY;A,W,L,S:AL;A,W,L,S:GU)
:CONTINUE
*NEWGROUP TEXT;PASS=MLA&
  --RA,IA,PM,MR,DS,PH;ACCESS=(&
    S:GU)
```

```
--:HOME=SOURCE;MAXPRI=BS&
    CS,ND,SF,BA,IA,PM,MR,DS,PH
```

```
:ALTUSER MANAGER;PASS=;HOME=PUB;MAXPRI=BS&
::CAP=SM,AM,AL,GL,DI,OP,CS,ND,SF,BA,IA,PM,MR,DS,PH
:EOJ
:CONTINUE
:JOB MANAGER.SYS;HIPRI
:REPORT @.@
:EOJ
```

PSCREEN

DESCRIPTION:

Transfers the contents of the screen and memory of a 264x terminal to the LP or a disc file.

CONSIDERATIONS:

Disc file is called LIST and if one exists it can be written.

The file list is in EDITOR format.

You can ACC=APPEND

It is unsupported

PSCREEN (cont)

OPERATION:

:LISTF

FILENAME

DIRPUR3	FLUSHER	FLUTIL3	GETFILE	LIST	LIST1
LIST2	LISTCRET				

:PURGE LIST

:PURGE LIST1

:PURGEGROUP EDC

GROUP EDC TO BE PURGED? (YES/NO)Y

EXPECTED RESPONSE OF "YES" OR "NO". (CIWARN 985)

GROUP EDC TO BE PURGED? (YES/NO)YES

IN USE: CAN'T BE PURGED. (CIERR 916)

:LISTF

NO FILES FOUND IN FILE-SET (CIWARN 431)

:BUILD LIST;REC=-80,16,F,ASCII

:FILE LIST;ACC=APPEND

:RUN PSCREEN.PUB.UTILS

**SCREEN CONTENTS @: WED, FEB 6, 1980, 11:38 AM

MOVEFILE

DESCRIPTION:

Moves files from one group and account to another

CONSIDERATIONS:

It is unsupported

Allows you to steal files

MOVEFILE (cont)

OPERATION:

:RUN MOVEFILE.PUB.UTILS

MOVE FILES <1.1> WED, FEB 6, 1980, 11:38 AM

CURRENT GROUP NAME OF THE FILES ?

PUB

CURRENT ACCOUNT NAME OF THE FILES ?

UTILS

PURGE OLD FILES AFTER MOVE ?

NO

ENTER ONE LINE OF FILE NAMES AND/OR RANGES SEPARATED BY COMMAS
IN RESPONSE TO EACH REQUEST FOR FILE NAME

(A RANGE OF FILES MAY BE SPECIFIED BY ENTERING THE FIRST FILE,
A SLASH, THEN THE LAST FILE. IE. FIRSTFILE/LASTFILE)

FILENAMES ?

:LISTF @.PUB.UTILS

FILENAME

BADBAD	BADBAD1	BLDACCT1	DIRPUR3	FLUSHER	FLUTIL3
GETFILE	LIST	LIST1	LIST2	LISTCRET	LOGUTIL
MAGTEST	MOVE	MOVEFILE	PSCREEN	PURGE	ROLAIDS
SADUTILG	SDUPII	SECTOR	SYSINFO	TAPECOPY	TAPESCAN
TAPETEST	TAPEVALD	TAPLIS	TUNER3		

```
:RESUME  
READ PENDING  
BADBAD,DI/FLU,PURGE,TAPA/TAPZ  
  MOVE BADBAD.PUB.UTILS  
  MOVE DIRPUR3.PUB.UTILS  
  MOVE PURGE.PUB.UTILS  
  MOVE TAPECOPY.PUR.UTILS  
  MOVE TAPESCAN.PUB.UTILS  
  MOVE TAPETEST.PUR.UTILS  
  MOVE TAPEVALD.PUB.UTILS  
  MOVE TAPLIS.PUB.UTILS  
FILENAMES ?  
  
  THE END OF MOVEFILE  
  
END OF PROGRAM
```

MOVE

DESCRIPTION:

Moves Files from one ldev to another

CONSIDERATIONS:

It is unsupported

If an error occurs - file goes away

Have the file backed up

MOVE (cont)

OPERATION:

:RUN MOVE

MOVE FILES PROGRAM <1.0>

ENTER A 'RETURN' IN RESPONSE TO 'FILE NAME ?'
TO TERMINATE THIS PROGRAM

FILE NAME ? SECTOR

SECTOR.PUB.UTILS IS NOW ON DISC 1

ENTER THE NEW DEVICE NUMBER : 1

FILE NOT MOVED

FILE NAME ?

END OF PROGRAM

TAPLIS

DESCRIPTION:

Lists the tape directory and if requested the creator and lockword for each file on a store or sysdump tape.

CONSIDERATIONS:

allows anyone to obtain your lockwords
It is UNSUPPORTED

TAPLIS (cont)

:RUN TAPLIS

TAPLIS-VERSION 3/23/78

WANT CREATOR AND LOCKWORD?

END OF PROGRAM

:REDO

RUN TAPLIS

TAPLIS-VERSION 3/23/78

WANT CREATOR AND LOCKWORD? Y

IS THIS A CONTINUATION REEL? N

END OF PROGRAM

FILE	GROUP	ACCOUNT	FILE	GROUP	ACCOUNT	FILE	GROUP	ACCOUNT	FILE	GROUP	ACCOUNT
----	-----	-----	----	-----	-----	----	-----	-----	----	-----	-----
HADFILE4	UTIL	SUPP	BLDACCT1	UTIL	SUPP	BWDRSTOR	UTIL	SJPP	CALC	UTIL	SUPP
CLKPROG	UTIL	SUPP	CONSOLE	UTIL	SUPP	CONSWHO	UTIL	SJPP	DIRPUR3	UTIL	SUPP
DISCFL3	UTIL	SUPP	DISKEDT2	UTIL	SUPP	FCOPY	UTIL	SJPP	FLIST	UTIL	SUPP
FLUSHER	UTIL	SUPP	FLUTIL3	UTIL	SUPP	FSFCTOR	UTIL	SUPP	FSPENT	UTIL	SUPP
GET3	UTIL	SUPP	GETDATA	UTIL	SUPP	GETFILE	UTIL	SJPP	GETFILE4	UTIL	SUPP
LABELOFF	UTIL	SUPP	LABELON	UTIL	SUPP	LIST	UTIL	SJPP	LISTCRE4	UTIL	SUPP
LISTST04	UTIL	SUPP	LOGUTIL	UTIL	SUPP	MAGTEST	UTIL	SJPP	MEMMAP7	UTIL	SUPP
MOVEFILE	UTIL	SUPP	PEEKAB00	UTIL	SUPP	PSCREEN	UTIL	SJPP	PURGE	UTIL	SUPP
PURGEK	UTIL	SUPP	PURGER	UTIL	SUPP	RECOVER2	UTIL	SJPP	RECOVER3	UTIL	SUPP
RENFW	UTIL	SUPP	RESTORE	UTIL	SUPP	ROLAIDS	UTIL	SJPP	SADUTIL	UTIL	SUPP
SADUTILG	UTIL	SUPP	SDUPII	UTIL	SUPP	SECTOR	UTIL	SJPP	SHOWVM	UTIL	SUPP
SLPATCH	UTIL	SUPP	SPOOK	UTIL	SUPP	SYSINFO	UTIL	SUPP	TAPECOPY	UTIL	SUPP
TAPESCAN	UTIL	SUPP	TAPETEST	UTIL	SUPP	TAPEVALD	UTIL	SJPP	TAPLIS	UTIL	SUPP
TAPLIS4	UTIL	SUPP	TERMTYPE	UTIL	SUPP	TLP1010	UTIL	SJPP	TUNER2	UTIL	SUPP
TUNER3	UTIL	SUPP									

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FILE	GROUP	ACCOUNT
----	-----	-----
BWDRSTOR	UTIL	SJPP
CONSWHO	UTIL	SJPP
FCOPY	UTIL	SJPP
FSECTOR	UTIL	SUPP
GETFILE	UTIL	SJPP
LIST	UTIL	SJPP
MAGTEST	UTIL	SJPP
PSCREEN	UTIL	SJPP
RECOVER2	UTIL	SJPP
ROLAIDS	UTIL	SJPP
SECTOR	UTIL	SJPP
SYSINFO	UTIL	SUPP
TAPEVALD	UTIL	SJPP
TLP1010	UTIL	SJPP

FILE	GROUP	ACCOUNT
----	-----	-----
RADFILE4	UTIL	SUPP
CLKPROG	UTIL	SUPP
DISCFL3	UTIL	SUPP
FLUSHER	UTIL	SUPP
GET3	UTIL	SUPP
LABELOFF	UTIL	SUPP
LISTST04	UTIL	SUPP
MOVEFILE	UTIL	SUPP
PURGEK	UTIL	SUPP
RENEW	UTIL	SUPP
SADUTILG	UTIL	SUPP
SLPATCH	UTIL	SUPP
TAPESCAN	UTIL	SUPP
TAPLIS4	UTIL	SUPP
TUNER3	UTIL	SUPP

FILE	GROUP	ACCOUNT
----	-----	-----
CALC	UTIL	SUPP
DIRPUR3	UTIL	SUPP
FLIST	UTIL	SUPP
FSPENT	UTIL	SUPP
GETFILE4	UTIL	SUPP
LISTCRE4	UTIL	SUPP
MEMMAP7	UTIL	SUPP
PURGE	UTIL	SUPP
RECOVER3	UTIL	SUPP
SADUTIL	UTIL	SUPP
SHOWVM	UTIL	SUPP
TAPECOPY	UTIL	SUPP
TAPLIS	UTIL	SUPP
TUNER2	UTIL	SUPP

FILE	GROUP	ACCOUNT
----	-----	-----
BLDACCT1	UTIL	SUPP
CONSOLE	UTIL	SUPP
DISKEDT2	UTIL	SUPP
FLUTIL3	UTIL	SUPP
GETDATA	UTIL	SUPP
LABELON	UTIL	SUPP
LOGUTIL	UTIL	SUPP
PEEKAB00	UTIL	SUPP
PURGER	UTIL	SUPP
RESTORE	UTIL	SUPP
SOUP11	UTIL	SUPP
SPOOK	UTIL	SUPP
TAPETEST	UTIL	SUPP
TERMTYPE	UTIL	SUPP

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FILE	GROUP	ACCOUNT	CREATOR	LOCKWORD	FILE	GROUP	ACCOUNT	CREATOR	LOCKWORD
BADFILE4	UTIL	SUPP	TEST		BLDACC1	UTIL	SUPP	TEST	
BWDORSTOR	UTIL	SUPP	TEST		CALC	UTIL	SUPP	TEST	LOCKWORD
CLKPROG	UTIL	SUPP	TEST		CCNSOLE	UTIL	SUPP	TEST	
CONSWHO	UTIL	SUPP	TEST		DIRPUR3	UTIL	SUPP	TEST	
DISCFL3	UTIL	SUPP	TEST		DISKET2	UTIL	SUPP	TEST	
FCOPY	UTIL	SUPP	TEST		FLIST	UTIL	SUPP	TEST	
FLUSHER	UTIL	SUPP	TEST		FLUTIL3	UTIL	SUPP	TEST	
FSECTOR	UTIL	SUPP	TEST		FSPENT	UTIL	SUPP	TEST	
GET3	UTIL	SUPP	TEST		GETDATA	UTIL	SUPP	TEST	
GETFILE	UTIL	SUPP	TEST		GETFILE4	UTIL	SUPP	TEST	
LAHEL OFF	UTIL	SUPP	TEST		LAHELON	UTIL	SUPP	TEST	
LIST	UTIL	SUPP	TEST		LISTCRE4	UTIL	SUPP	TEST	
LISTSTC4	UTIL	SUPP	TEST		LOGUTIL	UTIL	SUPP	TEST	
MAGTEST	UTIL	SUPP	TEST		MEMMAP7	UTIL	SUPP	TEST	
MOVEFILE	UTIL	SUPP	TEST		PCEKMH00	UTIL	SUPP	TEST	
PSCREEN	UTIL	SUPP	TEST		PURGE	UTIL	SUPP	TEST	
PURGEK	UTIL	SUPP	TEST		PURGER	UTIL	SUPP	TEST	
RECOVER2	UTIL	SUPP	TEST		RECOVER3	UTIL	SUPP	TEST	
RENEW	UTIL	SUPP	TEST		RESTORE	UTIL	SUPP	TEST	
ROLAIDS	UTIL	SUPP	TEST		SADUTIL	UTIL	SUPP	TEST	
SACUTIL6	UTIL	SUPP	TEST		SADUPL	UTIL	SUPP	TEST	
SECTOR	UTIL	SUPP	TEST		SHOWM4	UTIL	SUPP	TEST	
SLPATCH	UTIL	SUPP	TEST		SPOOK	UTIL	SUPP	TEST	
SYSINFO	UTIL	SUPP	TEST		TAPECOPY	UTIL	SUPP	TEST	
TAPFSCAN	UTIL	SUPP	TEST		TAPETEST	UTIL	SUPP	TEST	
TAPEVALD	UTIL	SUPP	TEST		TAPLIS	UTIL	SUPP	TEST	
TAPLIS4	UTIL	SUPP	TEST		TERMTYPE	UTIL	SUPP	TEST	
TLP1010	UTIL	SUPP	TEST		TUNER2	UTIL	SUPP	TEST	
TUNER3	UTIL	SUPP	TEST						

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FILE	GROUP	ACCOUNT	CREATOR	LOCKWORD
----	-----	-----	-----	-----
BLDACCT1	UTIL	SUPP	TEST	
CALC	UTIL	SUPP	TEST	LOCKWORD
CCNSOLE	UTIL	SUPP	TEST	
DIRPUR3	UTIL	SUPP	TEST	
DISKET2	UTIL	SUPP	TEST	
FLIST	UTIL	SUPP	TEST	
FLUTIL3	UTIL	SUPP	TEST	
FSPENT	UTIL	SUPP	TEST	
GETDATA	UTIL	SUPP	TEST	
GETFILE4	UTIL	SUPP	TEST	
	UTIL	SUPP	TEST	
		SUPP	TEST	
			TEST	

			TEST
			TEST
		SUPP	TEST
KOLAIDS	UTIL	SUPP	TEST
SADUTIL6	UTIL	SUPP	TEST
SECTOR	UTIL	SUPP	TEST
SLPATCH	UTIL	SUPP	TEST
SYSINFO	UTIL	SUPP	TEST
TAPESCAN	UTIL	SUPP	TEST
TAPEVALD	UTIL	SUPP	TEST
TAPLIS4	UTIL	SUPP	TEST
TLP1010	UTIL	SUPP	TEST
TUNER3	UTIL	SUPP	TEST

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