


```

SSSSSSSS HH HH 000000 WW WW
SSSSSSSS HH HH 000000 WW WW
SS HH HH 00 00 WW WW
SS HH HH 00 00 WW WW
SS HH HH 00 00 WW WW
SS HH HH 00 00 WW WW
SSSSSS HHHHHHHHHH 00 00 WW WW
SSSSSS HHHHHHHHHH 00 00 WW WW
SS HH HH 00 00 WW WW
SS HH HH 00 00 WW WW
SS HH HH 00 00 WW WW
SSSSSSSS HH HH 000000 WW WW
SSSSSSSS HH HH 000000 WW WW

```

```

LL I I I I I SSSSSSSS
LL I I I I I SSSSSSSS
LL I I SS
LL I I SS
LL I I SS
LL I I SSSSSS
LL I I SSSSSS
LL I I SS
LL I I SS
LL I I SS
LLLLLLLLLL I I I I I SSSSSSSS
LLLLLLLLLL I I I I I SSSSSSSS

```



```

1 0001 0 MODULE MAIL$SHOW( %TITLE 'VAX/VMS MAIL UTILITY SHOW COMMAND'
2 0002 0 IDENT = 'V04-000' ) =
3 0003 1 BEGIN
4 0004 1
5 0005 1
6 0006 1 *****
7 0007 1 *
8 0008 1 * COPYRIGHT (c) 1978, 1980, 1982, 1984 BY *
9 0009 1 * DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS. *
10 0010 1 * ALL RIGHTS RESERVED. *
11 0011 1 *
12 0012 1 * THIS SOFTWARE IS FURNISHED UNDER A LICENSE AND MAY BE USED AND COPIED *
13 0013 1 * ONLY IN ACCORDANCE WITH THE TERMS OF SUCH LICENSE AND WITH THE *
14 0014 1 * INCLUSION OF THE ABOVE COPYRIGHT NOTICE. THIS SOFTWARE OR ANY OTHER *
15 0015 1 * COPIES THEREOF MAY NOT BE PROVIDED OR OTHERWISE MADE AVAILABLE TO ANY *
16 0016 1 * OTHER PERSON. NO TITLE TO AND OWNERSHIP OF THE SOFTWARE IS HEREBY *
17 0017 1 * TRANSFERRED. *
18 0018 1 *
19 0019 1 * THE INFORMATION IN THIS SOFTWARE IS SUBJECT TO CHANGE WITHOUT NOTICE *
20 0020 1 * AND SHOULD NOT BE CONSTRUED AS A COMMITMENT BY DIGITAL EQUIPMENT *
21 0021 1 * CORPORATION. *
22 0022 1 *
23 0023 1 * DIGITAL ASSUMES NO RESPONSIBILITY FOR THE USE OR RELIABILITY OF ITS *
24 0024 1 * SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL. *
25 0025 1 *
26 0026 1 *
27 0027 1 *****
28 0028 1
29 0029 1
30 0030 1 ++
31 0031 1 FACILITY: VAX/VMS MAIL UTILITY
32 0032 1
33 0033 1 ABSTRACT: SHOW command handling.
34 0034 1
35 0035 1 AUTHOR: Benn Schreiber, 5-Dec-1982
36 0036 1
37 0037 1 MODIFIED BY:
38 0038 1
39 0039 1 V03-008 BLS0255 Benn Schreiber 28-Dec-1983
40 0040 1 New global flags. Add SHOW KEY command. SHOW NEW
41 0041 1 does not need to open mail file.
42 0042 1
43 0043 1 V03-007 BLS0246 Benn Schreiber 8-Nov-1983
44 0044 1 Move new mail count to VMSMAIL.
45 0045 1
46 0046 1 V03-006 BLS0229 Benn Schreiber 16-Jul-1983
47 0047 1 Add SHOW NEW_MAIL_COUNT command, and SHOW ALL command.
48 0048 1
49 0049 1 V03-005 BLS0225 Benn Schreiber 17-Jun-1983
50 0050 1 Remove reference to MAIL$Q_VMSMAILDAT_DESC, as it
51 0051 1 no longer is needed.
52 0052 1
53 0053 1 V03-004 BLS0220 Benn Schreiber 30-Apr-1983
54 0054 1 Add SHOW MAIL_DIRECTORY, SHOW AUTO_PURGE
55 0055 1
56 0056 1 V03-003 BLS0217 Benn Schreiber 12-Apr-1983
57 0057 1 Add SHOW COPY_SELF command.

```

MAIL\$SHOW
V04-000

VAX/VMS MAIL UTILITY SHOW COMMAND

C 12
16-Sep-1984 01:21:50
14-Sep-1984 12:42:33

VAX-11 Bliss-32 V4.0-742
DISK\$VMSMASTER:[MAIL.SRC]SHOW.B32;1

Page 2
(1)

:	58	0058	1	:				
:	59	0059	1	:				
:	60	0060	1	:	V03-002	BLS0214	Benn Schreiber	27-Mar-1983
:	61	0061	1	:			SHOW FOLDER and SHOW DELETED commands.	Correct
:	62	0062	1	:			error in SHOW PERSONAL if record exists but has	
:	63	0063	1	:			no personal name set.	
:	64	0064	1	:	V03-001	BLS0211	Benn Schreiber	13-Mar-1983
:	65	0065	1	:			New commands for ISAM mail files	
:	66	0066	1	:				--

```
68 0067 1 |
69 0068 1 | Declarations
70 0069 1 |
71 0070 1 | LIBRARY 'SYSSLIBRARY:STARLET';
72 0071 1 | REQUIRE 'SRCS:MAILREQ';
73 0217 1 | LIBRARY 'LIBS:MAILDEF';
74 0218 1 |
75 0219 1 | OWN
76 0220 1 |     COMMAND_DESC: $BBLOCK[DSC$C_S_BLN]
77 0221 1 |                 PRESET( [DSC$B_DTYPE] = DSC$K_DTYPE_T,
78 0222 1 |                         [DSC$B_CLASS] = DSC$K_CLASS_D),
79 0223 1 |     DYN_DESC: $BBLOCK[DSC$C_S_BLN]
80 0224 1 |                 PRESET( [DSC$B_DTYPE] = DSC$K_DTYPE_T,
81 0225 1 |                         [DSC$B_CLASS] = DSC$K_CLASS_D);
82 0226 1 |
83 0227 1 | EXTERNAL
84 0228 1 |     MAILSL_SMG_KEYTABLE,           !Pointer to key defs table
85 0229 1 |     MAILST_RD_RAB : $BBLOCK,       !Mail file rab
86 0230 1 |     MAILSG_FLAGS : $BBLOCK,       !control flags
87 0231 1 |     MAILSSD_USER: $BBLOCK,        !Descriptor of 'USER'
88 0232 1 |     MAILSQ_USERDEF : $BBLOCK,     !Default dev/dir spec
89 0233 1 |     MAILSQ_CURFOLDER : $BBLOCK,   !Current folder name
90 0234 1 |     MAILSQ_WASTEDESC : $BBLOCK,   !Wastebasket name
91 0235 1 |     MAILSQ_RD_DESC : $BBLOCK,     !Current file descriptor
92 0236 1 |     MAILSQ_USERNAME: $BBLOCK,     !username descriptor
93 0237 1 |     MAILST_SYSMAIRAB: $BBLOCK,    !RAB for VMSMAIL.DAT
94 0238 1 |     MAILSL_USRSYSBUF : REF $BBLOCK, !User's vmsmail record
95 0239 1 |     MAILSL_SYSMAIBUF: REF $BBLOCK; !Pointer to buffer
96 0240 1 |
97 0241 1 | EXTERNAL ROUTINE
98 0242 1 |     CLISGET VALUE: ADDRESSING_MODE(GENERAL), !Get value from CLI
99 0243 1 |     CLISPRESENT: ADDRESSING_MODE(GENERAL), !Test qualifier present
100 0244 1 |     MAIL$OPEN IF,                 !Ensure file open
101 0245 1 |     SMG$LIST KEY_DEFS,           !Get key defs from smg
102 0246 1 |     STR$APPEND,                   !String append
103 0247 1 |     STR$CONCAT,                   !String concatenate
104 0248 1 |     STR$COPY DX,                  !String copy
105 0249 1 |     STR$FREET DX: ADDRESSING_MODE(GENERAL), !Free dynamic string
106 0250 1 |     STR$TRIM: ADDRESSING_MODE(GENERAL), !Trim trailing blanks
107 0251 1 |     MAIL$CHECK_FORW,             !See if forwarding enabled
108 0252 1 |     MAIL$MATCH_NAME,             !Wildcard match routine
109 0253 1 |     MAIL$FAO GETMSG,             !Get message and then fao it
110 0254 1 |     MAIL$GETMSG,                 !Get message text for code
111 0255 1 |     MAIL$GET_NEWMAIL,            !Get count of new messages
112 0256 1 |     MAIL$GET_SYSMAIL_REC,        !Read record from VMSMAIL.DAT
113 0257 1 |     MAIL$FORD PRIV CHECK,        !See if SYSNAM privilege
114 0258 1 |     MAIL$PUT OUTPUT,             !Format and write to output
115 0259 1 |     MAIL$READ_INFO_REC;         !Read isam file info rec
116 0260 1 |
117 0261 1 | | Define facility specific names for shared messages
118 0262 1 | |
119 P 0263 1 | $SHR_MSGDEF(MAIL,126,LOCAL,
120 0264 1 |     (TEXT,SUCCESS));
121 0265 1 |
122 0266 1 | BIND
123 0267 1 |     COMMA_DESC = $DESCRIPTOR(',');
124 0268 1 |
```

MAIL\$SHOW
V04-000

VAX/VMS MAIL UTILITY SHOW COMMAND

E 12
16-Sep-1984 01:21:50
14-Sep-1984 12:42:33

VAX-11 Bliss-32 V4.0-742
DISK\$VMSMASTER:[MAIL.SRC]SHOW.B32;1 Page 4 (2)

```
: 125      P 0269 1 SD (
: 126      P 0270 1      'KEYNAME',
: 127      P 0271 1      'ALL',
: 128      P 0272 1      'STATE',
: 129      P 0273 1      'BRIEF',
: 130      0274 1      'DIRECTORY');
```

```
0275 1 GLOBAL ROUTINE MAIL$CMD_SHOW_FORWARD =
0276 1  +-
0277 1  | FUNCTIONAL DESCRIPTION:
0278 1  |
0279 1  | --
0280 2 BEGIN
0281 2
0282 2 LOCAL
0283 2     TMPBUF : $BBLOCK[VMD_C_LENGTH+2*NAM$C_MAXRSS];
0284 2
0285 2 IF NOT CLISPRESNT(MAIL$SD_USER)
0286 2 THEN BEGIN
0287 2     IF NOT MAIL$CHECK_FORW(MAIL$Q_USERNAME)           !Check for self
0288 2         THEN MAIL$PUT_OUTPUT(MAIL$GETMSG(MAIL$ SHOW20))
0289 2         ELSE MAIL$PUT_OUTPUT(MAIL$GETMSG(MAIL$ SHOW30),
0290 2             MAIL$_USRSYSBUF[VMD_B_FWDLNG]);
0291 2     END
0292 2 ELSE BEGIN
0293 2     |
0294 2     | To look at someone else's you must have privilege
0295 2     |
0296 2     IF NOT MAIL$FORW_PRIV_CHECK()
0297 2         THEN RETURN TRUE;
0298 2     CLISGET VALUE(MAIL$SD_USER,COMMAND_DESC); !Get name to show
0299 2     IF CH$FAIL(CH$FIND_CH(
0300 2         .COMMAND_DESC[DSC$W_LENGTH],.COMMAND_DESC[DSC$A_POINTER],'*'))
0301 2         AND CH$FAIL(CH$FIND_CH(
0302 2             .COMMAND_DESC[DSC$W_LENGTH],.COMMAND_DESC[DSC$A_POINTER],'%'))
0303 2     THEN BEGIN
0304 2         IF NOT MAIL$CHECK_FORW(COMMAND_DESC,TMPBUF) !Show a single user
0305 2             THEN MAIL$PUT_OUTPUT(MAIL$GETMSG(MAIL$ SHOW40),
0306 2                 COMMAND_DESC)
0307 2             ELSE MAIL$PUT_OUTPUT(MAIL$GETMSG(MAIL$ SHOW10),
0308 2                 COMMAND_DESC,TMPBUF[VMD_B_FWDLNG]);
0309 2     END
0310 2 ELSE BEGIN
0311 2     LOCAL
0312 2         FIRST_USER,
0313 2         DESC_T : $BBLOCK[DSC$C_S_BLN];
0314 2     |
0315 2     | Show for a wildcard user. Read all records of the file sequentially
0316 2     | and check for a match.
0317 2     |
0318 2     CH$FILL(0,DSC$C_S_BLN,DESC 1);
0319 2     MAIL$T_SYMAIRAB[RAB$B_RAC] = RAB$C_SEQ;
0320 2     MAIL$T_SYMAIRAB[RAB$L_UBF] = TMPBUF;
0321 2     $REWIND(RAB=MAIL$T_SYMAIRAB);
0322 2     FIRST_USER = 1;
0323 2     WHILE ($GET(RAB=MAIL$T_SYMAIRAB) NEQ RMS$ EOF)
0324 2     DO BEGIN
0325 2         DESC_1[DSC$W_LENGTH] = VMD_C_USERNAME;
0326 2         DESC_1[DSC$A_POINTER] = TMPBUF[VMD_T_USERNAME];
0327 2         STR$TRIM(DYN_DESC,DESC_1);
0328 2         IF MAIL$MATCH_NAME(DYN_DESC,COMMAND_DESC)
0329 2             AND .TMPBUF[VMD_B_FWDLNG] NEQ 0
0330 2         THEN BEGIN
0331 2             IF .FIRST_USER
```

189
190
191
192
193
194
195
196
197
198
199
200
201
202

0332 6
0333 6
0334 6
0335 6
0336 6
0337 6
0338 6
0339 5
0340 4
0341 4
0342 3
0343 2
0344 2
0345 1

```

THEN MAIL$PUT_OUTPUT(MAIL$GETMSG(MAIL$_SHOW50),0);
FIRST USER = 0;
MAIL$PUT_OUTPUT(
  $DESCRIPTOR('!31AS !AC'),
  DYN_DESC,TMPBUF[VMD_B_FWDLNG]);
IF .MAIL$GL_FLAGS[MAIF_V_CTRL[CF]]
THEN RETURN TRUE;
END;
END;
MAIL$_SYSMAIRAB[RAB$B_RAC] = RAB$C_KEY;
END;
END;
RETURN TRUE
END;

```

.TITLE		MAIL\$SHOW VAX/VMS MAIL UTILITY SHOW COMMAND	
.IDENT		\V04-000\	
.PSECT		\$CODE\$,NOWRT,2	
2C	00000	P.AAB:	.ASCII \,\
	00001		.BLKB 3
	00000001	P.AAA:	.LONG 1
	00000000		.ADDRESS P.AAB
45 4D 41 4E 59 45 4B	00000	P.AAD:	.ASCII \KEYNAME\
	00013		.BLKB 1
	00000007	P.AAC:	.LONG 7
	00000000		.ADDRESS P.AAD
4C 4C 41	0001C	P.AAF:	.ASCII \ALL\
	0001F		.BLKB 1
	00000003	P.AAE:	.LONG 3
	00000000		.ADDRESS P.AAF
45 54 41 54 53	00028	P.AAH:	.ASCII \STATE\
	0002D		.BLKB 3
	00000005	P.AAG:	.LONG 5
	00000000		.ADDRESS P.AAH
46 45 49 52 42	00038	P.AAJ:	.ASCII \BRIEF\
	0003D		.BLKB 3
	00000005	P.AAI:	.LONG 5
	00000000		.ADDRESS P.AAJ
59 52 4F 54 43 45 52 49 44	00048	P.AAL:	.ASCII \DIRECTORY\
	00051		.BLKB 3
	00000009	P.AAK:	.LONG 9
	00000000		.ADDRESS P.AAL
43 41 21 20 53 41 31 33 21	0005C	P.AAN:	.ASCII \!31AS !AC\
	00065		.BLKB 3
	00000009	P.AAM:	.LONG 9
	00000000		.ADDRESS P.AAN
.PSECT		\$OWNS\$,NOEXE,2	
00#	00000	COMMAND_DESC:	.BYTE 0[2]
02	0E 00002		.BYTE 14, 2
	00004		.BLKB 4
00#	00008	DYN_DESC:	

02 OE 0000A .BYTE 0[2]
0000C .BYTE 14, 2
.BLKB 4

COMMA DESC= P.AAA
SD_KEYNAME= P.AAC
SD_ALL= P.AAE
SD_STATE= P.AAG
SD_BRIEF= P.AAI
SD_DIRECTORY= P.AAK
.EXTRN MAIL\$ _SMG KEYTABLE
.EXTRN MAIL\$ _RD RAB, MAIL\$ _GL FLAGS
.EXTRN MAIL\$ _SD USER, MAIL\$ _USERDEF
.EXTRN MAIL\$ _CURFOLDER
.EXTRN MAIL\$ _WASTEDESC
.EXTRN MAIL\$ _RD DESC, MAIL\$ _USERNAME
.EXTRN MAIL\$ _SYSMAIRAB
.EXTRN MAIL\$ _USRSYSBUF
.EXTRN MAIL\$ _SYSMAIBUF
.EXTRN CLISGET VALUE, CLISPRESENT
.EXTRN MAIL\$ _OPEN IF, SMG\$ _LIST_KEY_DEFS
.EXTRN STR\$ _APPEND, STR\$ _CONCAT
.EXTRN STR\$ _COPY_DX, STR\$ _FREE1_DX
.EXTRN STR\$ _TRIM, MAIL\$ _CHECK_FORW
.EXTRN MAIL\$ _MATCH NAME
.EXTRN MAIL\$ _FAO GETMSG
.EXTRN MAIL\$ _GETMSG, MAIL\$ _GET_NEWMAIL
.EXTRN MAIL\$ _GET_SYSMAI_REC
.EXTRN MAIL\$ _FORW PRIV CHECK
.EXTRN MAIL\$ _PUT_OUTPUT
.EXTRN MAIL\$ _READ_INFO_REC
.EXTRN SYSS\$ _REWIND, SYSS\$ _GET

.PSECT \$CODE\$,NOWRT,2

OFFC 00000

.ENTRY MAIL\$ _CMD_SHOW_FORWARD, Save R2,R3,R4,R5,R6,-; 0275
R7,R8,R9,R10,R11
MOVAB MAIL\$ _SD_USER, R11
MOVAB MAIL\$ _CHECK_FORW, R10
MOVAB MAIL\$ _GETMSG, R9
MOVAB MAIL\$ _SYSMAIRAB+30, R8
MOVAB MAIL\$ _PUT_OUTPUT, R7
MOVAB COMMAND_DESC, R6
MOVAB -588(SPT), SP
PUSHL R11 0285
CALLS #1, CLISPRESENT
BLBS R0, 2\$
PUSHAB MAIL\$ _USERNAME 0287
CALLS #1, MAIL\$ _CHECK_FORW
BLBS R0, 1\$
PUSHL #8314440 0288
CALLS #1, MAIL\$ _GETMSG
PUSHL R0
CALLS #1, MAIL\$ _PUT_OUTPUT
BRB 7\$
ADDL3 #67, MAIL\$ _USRSYSBUF, -(SP) 0290
PUSHL #8314448 0289

5B 00000000G 00 9E 00002
5A 00000000G 00 9E 00009
59 00000000G 00 9E 00010
58 00000000G 00 9E 00017
57 00000000G 00 9E 0001E
56 00000000' 00 9E 00025
5E FDB4 CE 9E 0002C
00000000G 00 01 FB 00033
30 00000000G 00 9F 0003D
6A 01 FB 00043
10 007EDE48 50 E8 00046
69 01 FB 0004F
50 DD 00052
67 01 FB 00054
78 11 00057
7E 00000000G 00 0000043 8F C1 00059 1\$:
007EDE50 8F DD 00065

			47	11	0006B	BRB	5\$			
	00000000G	00	00	FB	0006D	CALLS	#0, MAIL\$FORW_PRIV_CHECK			0296
		5A	50	E9	00074	BLBC	R0, 7\$			
			56	DD	00077	PUSHL	R6			0298
			5B	DD	00079	PUSHL	R11			
	00000000G	00	02	FB	0007B	CALLS	#2, CLISGET_VALUE			0300
		53	66	3C	00082	MOVZWL	COMMAND_DESC, R3			
62		52	04	A6	00085	MOVL	COMMAND_DESC+4, R2			
		53	2A	3A	00089	LOCC	#42, R3, (R2)			0299
			02	12	0008D	BNEQ	3\$			
			51	D4	0008F	CLRL	R1			
			51	D5	00091	TSTL	R1			0300
			3F	12	00093	BNEQ	8\$			
62		53	25	3A	00095	LOCC	#37, R3, (R2)			0301
			02	12	00099	BNEQ	4\$			
			51	D4	0009B	CLRL	R1			
			51	D5	0009D	TSTL	R1			0302
			33	12	0009F	BNEQ	8\$			
			08	AE	9F	000A1	PUSHAB	TMPBUF		0304
			56	DD	000A4	PUSHL	R6			
		6A	02	FB	000A6	CALLS	#2, MAIL\$CHECK_FORW			
		12	50	E8	000A9	BLBS	R0, 6\$			
			56	DD	000AC	PUSHL	R6			0305
			007EDE58	8F	DD	000AE	PUSHL	#8314456		
		69	01	FB	000B4	CALLS	#1, MAIL\$GETMSG			
			50	DD	000B7	PUSHL	R0			
		67	02	FB	000B9	CALLS	#2, MAIL\$PUT_OUTPUT			
			13	11	000BC	BRB	7\$			
			4B	AE	9F	000BE	PUSHAB	TMPBUF+67		0308
			56	DD	000C1	PUSHL	R6			0307
			007EDE40	8F	DD	000C3	PUSHL	#8314432		
		69	01	FB	000C9	CALLS	#1, MAIL\$GETMSG			
			50	DD	000CC	PUSHL	R0			
		67	03	FB	000CE	CALLS	#3, MAIL\$PUT_OUTPUT			0308
			0083	31	000D1	BRW	12\$			0299
08		00	00	2C	000D4	MOVCS	#0, (SP), #0, #8, DESC_1			0318
			6E		000D9					
			68	94	000DA	CLRB	MAILST_SYSMAIRAB+30			0319
		06	08	AE	9E	000DC	MOVAB	TMPBUF, MAILST_SYSMAIRAB+36		0320
			E2	A8	9F	000E1	PUSHAB	MAILST_SYSMAIRAB		0321
	00000000G	00	01	FB	000E4	CALLS	#1, SYSSREWIND			
		52	01	DD	000EB	MOVL	#1, FIRST_USER			0322
			E2	A8	9F	000EE	PUSHAB	MAILST_SYSMAIRAB		0323
	00000000G	00	01	FB	000F1	CALLS	#1, SYSSGET			
	0001827A	8F	50	D1	000F8	CMPL	R0, #98938			
			53	13	000FF	BEQL	11\$			
		6E	1F	B0	00101	MOVW	#31, DESC_1			0325
		04	08	AE	9E	00104	MOVAB	TMPBUF, DESC_1+4		0326
			5E	DD	00109	PUSHL	SP			0327
			08	A6	9F	0010B	PUSHAB	DYN_DESC		
	00000000G	00	02	FB	0010E	CALLS	#2, -STR\$TRIM			
			56	DD	00115	PUSHL	R6			0328
			08	A6	9F	00117	PUSHAB	DYN_DESC		
	00000000G	00	02	FB	0011A	CALLS	#2, -MAIL\$MATCH_NAME			
		CA	50	E9	00121	BLBC	R0, 9\$			
			4B	AE	95	00124	TSTB	TMPBUF+67		0329
			C5	13	00127	BEQL	9\$			

10		52	E9	00129	BLBC	FIRST_USER, 10\$:	0331
		7E	D4	0012C	CLRL	-(SP)-	:	0332
	007EDE60	8F	DD	0012E	PUSHL	#8314464	:	
69		01	FB	00134	CALLS	#1, MAIL\$GETMSG	:	
		50	DD	00137	PUSHL	R0	:	
67		02	FB	00139	CALLS	#2, MAIL\$PUT_OUTPUT	:	
		52	D4	0013C	CLRL	FIRST_USER	:	0333
	4B	AE	9F	0013E	PUSHAB	TMPBUF+67	:	0336
	08	A6	9F	00141	PUSHAB	DYN_DESC	:	0334
	FEB0	CF	9F	00144	PUSHAB	P, AAM	:	0335
67		03	FB	00148	CALLS	#3, MAIL\$PUT_OUTPUT	:	0336
9C	00000000G	00	E9	0014B	BLBC	MAIL\$GL_FLAGS+1, 9\$:	0337
		03	11	00152	BRB	12\$:	0338
68		01	90	00154	MOVB	#1, MAILST_SYSMAIRAB+30	:	0341
50		01	D0	00157	MOVL	#1, R0	:	0344
		04	0015A		RET		:	0345

: Routine Size: 347 bytes, Routine Base: \$CODE\$ + 0070

```

: 204      0346 1 GLOBAL ROUTINE MAIL$CMD_SHOW_FOLDER =
: 205      0347 1 |++
: 206      0348 1 | FUNCTIONAL DESCRIPTION:
: 207      0349 1 |
: 208      0350 1 |         Show the current folder name
: 209      0351 1 |
: 210      0352 1 | --
: 211      0353 2 BEGIN
: 212      0354 2
: 213      P 0355 2 IF_ERR(MAIL$OPEN_IF();,
: 214      0356 2     RETURN TRUE);
: 215      0357 2
: 216      0358 2 IF NOT .MAIL$GL_FLAGS[MAIF_V_ISAM]
: 217      0359 2     THEN RETURN SIGNAL(MAIL$_NOTISAM);
: 218      0360 2
: 219      0361 2 IF .MAIL$Q_CURFOLDER[DISC$W_LENGTH] EQL 0
: 220      0362 2     THEN RETURN SIGNAL(MAIL$_NOFOLDER,%X'10000')
: 221      0363 2     ELSE RETURN SIGNAL(MAIL$_MAILFOLDER,%X'10001',MAIL$Q_CURFOLDER)
: 222      0364 2
: 223      0365 1 END;

```

		000C 00000		.ENTRY MAIL\$CMD SHOW FOLDER, Save R2,R3	: 0346
	53 00000000G	00 9E 00002		MOVAB MAIL\$Q_CURFOLDER, R3	
	52 00000000G	00 9E 00009		MOVAB LIB\$SIGNAL, R2	
00000000G	00	00 FB 00010		CALLS #0, MAIL\$OPEN_IF	: 0356
	04	50 E8 00017		BLBS STATUS, 1\$	
	50	01 D0 0001A		MOVL #1, R0	
		04 0001D		RET	
	0A 00000000G	00 E8 0001E 1\$:		BLBS MAIL\$GL_FLAGS, 2\$: 0358
	007E80AA	8F DD 00025		PUSHL #8290474	: 0359
	62	01 FB 0002B		CALLS #1, LIB\$SIGNAL	
		04 0002E		RET	
		63 B5 0002F 2\$:		TSTW MAIL\$Q_CURFOLDER	: 0361
		10 12 00031		BNEQ 3\$	
	00010000	8F DD 00033		PUSHL #65536	: 0362
	007E80C2	8F DD 00039		PUSHL #8290498	
	62	02 FB 0003F		CALLS #2, LIB\$SIGNAL	
		04 00042		RET	: 0363
		53 DD 00043 3\$:		PUSHL R3	
	00010001	8F DD 00045		PUSHL #65537	
	007EDF28	8F DD 0004B		PUSHL #8314664	
	62	03 FB 00051		CALLS #3, LIB\$SIGNAL	
		04 00054		RET	: 0365

: Routine Size: 85 bytes, Routine Base: \$CODE\$ + 01CB

```

225 0366 1 GLOBAL ROUTINE MAIL$CMD_SHOW_DELMSG =
226 0367 1 |++
227 0368 1 | FUNCTIONAL DESCRIPTION:
228 0369 1 |
229 0370 1 |         Show amount of deleted space in current isam file
230 0371 1 |
231 0372 1 | --
232 0373 2 BEGIN
233 0374 2
234 0375 2 LOCAL
235 0376 2     RECPTR : REF $BBLOCK,
236 0377 2     DELCOUNT,
237 0378 2     RECDESC : VECTOR[2, LONG];
238 0379 2
239 P 0380 2 IF_ERR(MAIL$OPEN IF(,),
240 0381 2     RETURN TRUE);
241 0382 2
242 0383 2 IF NOT .MAIL$GL_FLAGS[MAIF V_ISAM]
243 0384 2 THEN RETURN SIGNAL(MAIL$_NOTISAM);
244 0385 2
245 0386 2 DELCOUNT = 0;
246 0387 2 IF MAIL$READ_INFO_REC(MAIL$T_RD_RAB, MFR_C_FILEINFO, 1, RECDESC)
247 0388 2 THEN BEGIN
248 0389 3     RECPTR = .RECDESC[1];
249 0390 3     DELCOUNT = .(RECPTR[MFR_T_DATA])<0, 32, 0>;
250 0391 3     END;
251 0392 2
252 0393 2 RETURN SIGNAL(MAIL$_DELSpace, 'X'10002', MAIL$Q_RD_DESC, .DELCOUNT)
253 0394 2
254 0395 1 END;

```

			000C 00000	.ENTRY MAIL\$CMD SHOW DELMSG, Save R2,R3	: 0366
	53	00000000G	00 9E 00002	MOVAB LIB\$SIGNAL, R3	
	5E		08 C2 00009	SUBL2 #8, SP	
00000000G	00		00 FB 0000C	CALLS #0, MAIL\$OPEN_IF	: 0381
	04		50 E8 00013	BLBS STATUS, 1\$	
	50		01 D0 00016	MOVL #1, R0	
			04 00019	RET	
	0A	00000000G	00 E8 0001A 1\$:	BLBS MAIL\$GL_FLAGS, 2\$: 0383
		007E80AA	8F DD 00021	PUSHL #829047\$: 0384
	63		01 FB 00027	CALLS #1, LIB\$SIGNAL	
			04 0002A	RET	
			52 D4 0002B 2\$:	CLRL DELCOUNT	: 0386
			5E DD 0002D	PUSHL SP	: 0387
			01 DD 0002F	PUSHL #1	
			03 DD 00031	PUSHL #3	
00000000G		00000000G	00 9F 00033	PUSHAB MAIL\$T_RD_RAB	
	00		04 FB 00039	CALLS #4, MAIL\$READ_INFO_REC	
	08		50 E9 00040	BLBC R0, 3\$	
	50	04	AE D0 00043	MOVL RECDESC+4, RECPTR	: 0389
	52	30	A0 D0 00047	MOVL 48(RECPTR), DELCOUNT	: 0390
			52 DD 0004B 3\$:	PUSHL DELCOUNT	: 0393
		00000000G	00 9F 0004D	PUSHAB MAIL\$Q_RD_DESC	

MAILSSHOW
V04-000

VAX/VMS MAIL UTILITY SHOW COMMAND

M 12
16-Sep-1984 01:21:50
14-Sep-1984 12:42:33

VAX-11 Bliss-32 V4.0-742
DISK\$VMSMASTER:[MAIL.SRC]SHOW.B32;1

Page 12
(5)

00010002 8F DD 00053
007EBEA3 8F DD 00059
63 04 FB 0005F
04 00062

PUSHL #65538
PUSHL #8306339
CALLS #4, LIB\$SIGNAL
RET

:
:
:
: 0395

; Routine Size: 99 bytes, Routine Base: \$CODE\$ + 0220

```
256 0396 1 GLOBAL ROUTINE MAIL$CMD_SHOW_NAME =
257 0397 1 |++
258 0398 1 | FUNCTIONAL DESCRIPTION:
259 0399 1 |
260 0400 1 |     This routine displays the full username set by the
261 0401 1 |     SET PERSONAL_NAME command
262 0402 1 |
263 0403 1 | --
264 0404 2 BEGIN
265 0405 2
266 0406 2 LOCAL
267 0407 2     TMPBUF : $BBLOCK[VMD_C_LENGTH+2*NAM$C_MAXRSS];
268 0408 2
269 0409 2 BIND
270 0410 2     UREC = .MAIL$L_USRSYSBUF : $BBLOCK;
271 0411 2
272 0412 2 IF NOT CLISPRESNT(MAIL$SD_USER)
273 0413 2 THEN BEGIN
274 0414 3     IF .UREC[VMD_B_FNMLNG] EQL 0
275 0415 3     THEN MAIL$PUT_OUTPUT(MAIL$GETMSG(MAIL$SHOW60))
276 0416 3     ELSE MAIL$PUT_OUTPUT(MAIL$GETMSG(MAIL$SHOW70),
277 0417 3     .UREC[VMD_B_FNMLNG],
278 0418 3     UREC[VMD_T_FWDNAM]+.UREC[VMD_B_FWDLNG]);
279 0419 3 END
280 0420 3 ELSE BEGIN
281 0421 3 |
282 0422 3 |     Check for privileges
283 0423 3 |
284 0424 3 IF NOT MAIL$FORW_PRIV_CHECK()
285 0425 3 THEN RETURN TRUE;
286 0426 3 CLISGET_VALUE(MAIL$SD_USER,COMMAND_DESC);
287 0427 3 IF CH$FAIL(CH$FIND CH(
288 0428 3     .COMMAND_DESC[DSC$W_LENGTH],.COMMAND_DESC[DSC$A_POINTER], '*'))
289 0429 3     AND CH$FAIL(CH$FIND CH(
290 0430 3     .COMMAND_DESC[DSC$W_LENGTH],.COMMAND_DESC[DSC$A_POINTER], '%'))
291 0431 4 THEN BEGIN
292 0432 4     TMPBUF[VMD_B_FNMLNG] = 0;
293 0433 4     IF NOT MAIL$GET_SYSMAIRAB_REC(COMMAND_DESC,TMPBUF)
294 0434 4     OR .TMPBUF[VMD_B_FNMLNG] EQL 0
295 0435 4     THEN MAIL$PUT_OUTPUT(MAIL$GETMSG(MAIL$SHOW80),
296 0436 4     COMMAND_DESC)
297 0437 4     ELSE MAIL$PUT_OUTPUT(MAIL$GETMSG(MAIL$SHOW90),
298 0438 4     COMMAND_DESC,.TMPBUF[VMD_B_FNMLNG],
299 0439 4     TMPBUF[VMD_T_FWDNAM]+.TMPBUF[VMD_B_FWDLNG]);
300 0440 4 END
301 0441 4 ELSE BEGIN
302 0442 4 |
303 0443 4 |     Show for wildcard user. Read all records sequentially
304 0444 4 |     and check for a match
305 0445 4 |
306 0446 4 LOCAL
307 0447 4     FIRST_USER,
308 0448 4     DESC_T : $BBLOCK[DSC$C_S_BLN];
309 0449 4
310 0450 4     CH$FILL(0,DSC$C_S_BLN,DESC_T);
311 0451 4     MAIL$T_SYSMAIRAB[RAB$B_RAC] = RAB$C_SEQ;
312 0452 4     MAIL$T_SYSMAIRAB[RAB$L_UBF] = TMPBUF;
```


	7E	42	A2	9A	0005A	MOVZBL	66(R2), -(SP)		0417
	007EDE70		8F	DD	0005E	PUSHL	#8314480		0416
	68		01	FB	00064	CALLS	#1, MAIL\$GETMSG		
			50	DD	00067	PUSHL	R0		
	67		03	FB	00069	CALLS	#3, MAIL\$PUT_OUTPUT		
			79	11	0006C	BRB	8\$		0412
	00000000G	00	00	FB	0006E	2\$: CALLS	#0, MAIL\$FORW_PRIV_CHECK		0424
		6F	50	E9	00075	BLBC	R0, 8\$		
			5A	DD	00078	PUSHL	R6		0426
	00000000G	00	02	FB	0007A	PUSHL	R10		
		53	66	3C	00083	CALLS	#2, CLISGET_VALUE		0428
		52	04	A6	D0	00086	MOVL	COMMAND_DESC+4, R2	
62		53	2A	3A	0008A	LOCC	#42, R3, (R2)		0427
			02	12	0008E	BNEQ	3\$		
			51	D4	00090	CLRL	R1		
			51	D5	00092	3\$: TSTL	R1		0428
			54	12	00094	BNEQ	9\$		
62		53	25	3A	00096	LOCC	#37, R3, (R2)		0429
			02	12	0009A	BNEQ	4\$		
			51	D4	0009C	CLRL	R1		
			51	D5	0009E	4\$: TSTL	R1		0430
			48	12	000A0	BNEQ	9\$		
			4A	AE	94	000A2	CLRB	TMPBUF+66	0432
			08	AE	9F	000A5	PUSHAB	TMPBUF	0433
			56	DD	000A8	PUSHL	R6		
	00000000G	00	02	FB	000AA	CALLS	#2, MAIL\$GET_SYSMAR_REC		
		05	50	E9	000B1	BLBC	R0, 5\$		
			4A	AE	95	000B4	TSTB	TMPBUF+66	0434
			12	12	000B7	BNEQ	7\$		
			56	DD	000B9	5\$: PUSHL	R6		0435
			007EDE78	8F	DD	000BB	PUSHL	#8314488	
		68	01	FB	000C1	CALLS	#1, MAIL\$GETMSG		
			50	DD	000C4	PUSHL	R0		
		67	02	FB	000C6	CALLS	#2, MAIL\$PUT_OUTPUT		
			1C	11	000C9	6\$: BRB	8\$		
		50	4B	AE	9A	000CB	7\$: MOVZBL	TMPBUF+67, R0	0439
			4C	AE	9F	000CF	PUSHAB	TMPBUF+68[R0]	
		7E	4E	AE	9A	000D3	MOVZBL	TMPBUF+66, -(SP)	0438
			56	DD	000D7	PUSHL	R6		0437
			007EDE80	8F	DD	000D9	PUSHL	#8314496	
		68	01	FB	000DF	CALLS	#1, MAIL\$GETMSG		
			50	DD	000E2	PUSHL	R0		
		67	04	FB	000E4	CALLS	#4, MAIL\$PUT_OUTPUT		
			008C	31	000E7	8\$: BRW	13\$		0427
08		00	00	2C	000EA	9\$: MOVCS	#0, (SP), #0, #8, DESC_1		0450
			6E		000EF				
			69	94	000F0	CLRB	MAILST_SYSMARAB+30		0451
	06	A9	08	AE	9E	000F2	MOVAB	TMPBUF, MAILST_SYSMARAB+36	0452
			E2	A9	9F	000F7	PUSHAB	MAILST_SYSMARAB	0453
	00000000G	00	01	FB	000FA	CALLS	#1, SYSSREWIND		
		52	01	D0	00101	MOVL	#1, FIRST_USER		0454
			E2	A9	9F	00104	10\$: PUSHAB	MAILST_SYSMARAB	0455
	00000000G	00	01	FB	00107	CALLS	#1, SYSSGET		
	0001827A	8F	50	D1	0010E	CPL	R0, #98938		
			5C	13	00115	BEQL	12\$		
		6E	1F	B0	00117	MOVW	#31, DESC_1		0457

04	AE	08	AE	9E	0011A	MOVAB	TMPBUF, DESC_1+4	:	0458			
			5E	DD	0011F	PUSHL	SP	:	0459			
		08	A6	9F	00121	PUSHAB	DYN_DESC	:				
00000000G	00		02	FB	00124	CALLS	#2, -STR\$TRIM	:				
			56	DD	0012B	PUSHL	R6	:	0460			
		08	A6	9F	0012D	PUSHAB	DYN_DESC	:				
00000000G	00		02	FB	00130	CALLS	#2, MAIL\$MATCH_NAME	:				
	CA		50	E9	00137	BLBC	R0, 10\$:				
		4A	AE	95	0013A	TSTB	TMPBUF+66	:	0461			
			C5	13	0013D	BEQL	10\$:				
		10	52	E9	0013F	BLBC	FIRST_USER, 11\$:	0463			
			7E	D4	00142	CLRL	-(SP)-	:	0464			
		68	007EDE88	8F	DD	00144	PUSHL	#8314504	:			
				01	FB	0014A	CALLS	#1, MAIL\$GETMSG	:			
				50	DD	0014D	PUSHL	R0	:			
		67		02	FB	0014F	CALLS	#2, MAIL\$PUT_OUTPUT	:			
				52	D4	00152	CLRL	FIRST_USER	:	0465		
		50		4B	AE	9A	00157	MOVZBL	TMPBUF+67, R0	:	0469	
				4C	AE	40	9F	00158	PUSHAB	TMPBUF+68[R0]	:	
		7E		4E	AE	9A	0015C	MOVZBL	TMPBUF+66, -(SP)	:	0468	
				08	A6	9F	00160	PUSHAB	DYN_DESC	:	0466	
				FE91	CF	7F	00163	PUSHAB	P.AAO	:	0467	
		67		04	FB	00167	CALLS	#4, MAIL\$PUT_OUTPUT	:			
		93	00000000G	00	E9	0016A	BLBC	MAIL\$GL_FLAGS+1, 10\$:	0470		
				03	11	00171	BRB	13\$:	0471		
		69		01	90	00173	MOVB	#1, MAIL\$T_SYSMAIRAB+30	:	0474		
		50		01	D0	00176	MOVL	#1, R0	:	0478		
				04	00179	RET		:	0479			

; Routine Size: 378 bytes, Routine Base: \$CODE\$ + 0294

```

: 341 0480 1 GLOBAL ROUTINE MAIL$CMD_SHOW_AUTO =
: 342 0481 1 |++
: 343 0482 1 | FUNCTIONAL DESCRIPTION:
: 344 0483 1 |
: 345 0484 1 |         Show whether or not AUTO_PURGE is enabled
: 346 0485 1 |
: 347 0486 1 | --
: 348 0487 2 BEGIN
: 349 0488 2
: 350 0489 2 LOCAL
: 351 0490 2     DESC : VECTOR[2, LONG];
: 352 0491 2
: 353 0492 2     DESC[0] = DESC[1] = 0;
: 354 0493 2
: 355 0494 2     STR$COPY DX(DYN_DESC, MAIL$GETMSG(MAIL$ SHOW140));
: 356 0495 3     STR$APPEND(DYN_DESC, MAIL$GETMSG((IF .MAIL$L_USR$SYSBUF[VMD_V_NOAUTOPURGE]
: 357 0496 3         THEN MAIL$ SHOW160
: 358 0497 3         ELSE MAIL$ SHOW150)));
: 359 0498 2     MAIL$PUT_OUTPUT(DYN_DESC);
: 360 0499 2
: 361 0500 2 RETURN TRUE
: 362 0501 1 END;

```

			000C 00000	.ENTRY	MAIL\$CMD SHOW AUTO, Save R2,R3	: 0480
	53	00000000G	00 9E 00002	MOVAB	MAIL\$GETMSG, R3	
	52	00000000'	00 9E 00009	MOVAB	DYN_DESC, R2	
			7E 7C 00010	CLRQ	DESC	: 0492
	63	007EDEE0	8F DD 00012	PUSHL	#8314592	: 0494
			01 FB 00018	CALLS	#1, MAIL\$GETMSG	
			50 DD 0001B	PUSHL	R0	
			52 DD 0001D	PUSHL	R2	
	00000000G	00	02 FB 0001F	CALLS	#2, STR\$COPY DX	
	08	1F	50 0000000G	MOVL	MAIL\$L_USR\$SYSBUF, R0	: 0495
		A0	02 E1 0002D	BBC	#2, 31(R0), 1\$	
		007EDEF0	8F DD 00032	PUSHL	#8314608	
			06 11 00038	BRB	2\$	
	63	007EDEE8	8F DD 0003A	PUSHL	#8314600	
			01 FB 00040	CALLS	#1, MAIL\$GETMSG	
			50 DD 00043	PUSHL	R0	
			52 DD 00045	PUSHL	R2	
	00000000G	00	02 FB 00047	CALLS	#2, STR\$APPEND	: 0498
			52 DD 0004E	PUSHL	R2	
	00000000G	00	01 FB 00050	CALLS	#1, MAIL\$PUT_OUTPL	: 0500
		50	01 D0 00057	MOVL	#1, R0	: 0501
			04 0005A	RET		

: Routine Size: 91 bytes, Routine Base: \$CODE\$ + 040E

```

364 0502 1 GLOBAL ROUTINE MAIL$CMD_SHOW_SELF =
365 0503 1 |++
366 0504 1 | FUNCTIONAL DESCRIPTION:
367 0505 1 |
368 0506 1 |         Show what copy self features are enabled.
369 0507 1 |
370 0508 1 | --
371 0509 2 BEGIN
372 0510 2
373 0511 2 LOCAL
374 0512 2     DESC : VECTOR[2, LONG];
375 0513 2
376 0514 2     DESC[0] = DESC[1] = 0;
377 0515 2     IF .MAIL$USRSYSBUF[VMD_V_SELFSEND]
378 0516 2         THEN STR$COPY_DX(DYN_DESC, MAIL$GETMSG(MAIL$_SEND))
379 0517 2         ELSE STR$COPY_DX(DYN_DESC, DESC);
380 0518 2
381 0519 2     IF .MAIL$USRSYSBUF[VMD_V_SELFREPLY]
382 0520 3     THEN BEGIN
383 0521 3         IF .DYN_DESC[DSC$W_LENGTH] NEQ 0
384 0522 3             THEN STR$APPEND(DYN_DESC, $DESCRIPTOR(' '));
385 0523 3         STR$APPEND(DYN_DESC, MAIL$GETMSG(MAIL$_REPLY));
386 0524 2     END;
387 0525 2
388 0526 2     IF .DYN_DESC[DSC$W_LENGTH] NEQ 0
389 0527 2         THEN MAIL$PUT_OUTPUT(MAIL$GETMSG(MAIL$_SHOW120), DYN_DESC)
390 0528 2         ELSE MAIL$PUT_OUTPUT(MAIL$GETMSG(MAIL$_SHOW130));
391 0529 2 RETURN TRUE
392 0530 1 END;

```

```

2C 00469 P.AAR: .ASCII \, \
0046A .BLKB 2
00000001 0046C P.AAQ: .LONG 1
00000000' 00470 .ADDRESS P.AAR

```

```

007C 00000 .ENTRY MAIL$CMD_SHOW_SELF, Save R2,R3,R4,R5,R6 : 0502
56 00000000G 00 9E 00002 MOVAB MAIL$USRSYSBUF, R6
55 00000000G 00 9E 00009 MOVAB MAIL$PUT_OUTPUT, R5
54 00000000G 00 9E 00010 MOVAB STR$APPEND, R4
53 00000000G 00 9E 00017 MOVAB MAIL$GETMSG, R3
52 00000000' 00 9E 0001E MOVAB DYN_DESC, R2
7E 7C 00025 CLRQ DEST : 0514
50 66 D0 00027 MOVL MAIL$USRSYSBUF, R0 : 0515
00 1F A0 E9 0002A BLBC 31(R0), 1$
007EDEB8 8F DD 0002E PUSHL #8314552 : 0516
63 01 FB 00034 CALLS #1, MAIL$GETMSG
50 DD 00037 PUSHL R0
02 11 00039 BRB 2$
5E DD 0003B 1$: PUSHL SP : 0517
52 DD 0003D 2$: PUSHL R2
00000000G 00 02 FB 0003F CALLS #2, STR$COPY_DX
50 66 D0 00046 MOVL MAIL$USRSYSBUF, R0 : 0519
1C 1F A0 01 E1 00049 BBC #1, 31(R0), 4$

```

	62	B5	0004E	TSTW	DYN_DESC	: 0521
	08	13	00050	BEQL	3\$:
	A3	AF	9F 00052	PUSHAB	P.AAQ	: 0522
	52	DD	00055	PUSHL	R2	:
64	02	FB	00057	CALLS	#2, STR\$APPEND	:
63	007EDEC0	8F	DD 0005A 3\$:	PUSHL	#8314560	: 0523
	01	FB	00060	CALLS	#1, MAIL\$GETMSG	:
	50	DD	00063	PUSHL	R0	:
	52	DD	00065	PUSHL	R2	:
64	02	FB	00067	CALLS	#2, STR\$APPEND	:
	62	B5	0006A 4\$:	TSTW	DYN_DESC	: 0526
	12	13	0006C	BEQL	5\$:
	52	DD	0006E	PUSHL	R2	: 0527
63	007EDEC8	8F	DD 00070	PUSHL	#8314568	:
	01	FB	00076	CALLS	#1, MAIL\$GETMSG	:
65		50	DD 00079	PUSHL	R0	:
	02	FB	0007B	CALLS	#2, MAIL\$PUT_OUTPUT	:
	0E	11	0007E	BRB	6\$:
63	007EDED0	8F	DD 00080 5\$:	PUSHL	#8314576	: 0528
	01	FB	00086	CALLS	#1, MAIL\$GETMSG	:
	50	DD	00089	PUSHL	R0	:
65		01	FB 0008B	CALLS	#1, MAIL\$PUT_OUTPUT	:
50		01	D0 0008E 6\$:	MOVL	#1, R0	: 0529
	04	00091		RET		: 0530

; Routine Size: 146 bytes, Routine Base: \$CODE\$ + 0474

```

: 394 0531 1 GLOBAL ROUTINE MAIL$CMD_SHOW_WASTE =
: 395 0532 1 |++
: 396 0533 1 | FUNCTIONAL DESCRIPTION:
: 397 0534 1 |
: 398 0535 1 |         Show the wastebasket folder name
: 399 0536 1 |
: 400 0537 1 | --
: 401 0538 2 BEGIN
: 402 0539 2
: 403 P 0540 2 IF_ERR(MAIL$OPEN_IF());,
: 404 0541 2     RETURN TRUE);
: 405 0542 2
: 406 0543 2 IF NOT .MAIL$GL_FLAGS[MAIL_V_ISAM]
: 407 0544 2     THEN (SIGNAL(MAIL$NOTYSAM); RETURN TRUE);
: 408 0545 2
: 409 0546 2 IF .MAIL$Q_WASTEDESC([DSC$Y_LENGTH] EQL 0
: 410 0547 2     THEN SIGNAL(MAIL$NOTREADIN)
: 411 0548 2     ELSE MAIL$PUT_OUT:PUT(MAIL$GETMSG(MAIL$_SHOW110),MAIL$Q_WASTEDESC);
: 412 0549 2
: 413 0550 2 RETURN TRUE
: 414 0551 1 END;

```

		0004 00000		.ENTRY	MAIL\$CMD_SHOW_WASTE, Save R2	: 0531
		00 9E 00002		MOVAB	MAIL\$Q_WASTEDESC, R2	
00000000G	00	00 FB 00009		CALLS	#0, MAIL\$OPEN_IF	: 0541
	3A	50 E9 00010		BLBC	STATUS, 4\$	
	08	00000000G 00 E8 00013		BLBS	MAIL\$GL_FLAGS, 1\$: 0543
		007E80AA 8F DD 0001A		PUSHL	#8290474	: 0544
		0A 11 00020		BRB	2\$	
		62 B5 00022 1\$:		TSTW	MAIL\$Q_WASTEDESC	: 0546
		0F 12 00024		BNEQ	3\$	
		007E8022 8F DD 00026		PUSHL	#8290338	: 0547
00000000G	00	01 FB 0002C 2\$:		CALLS	#1, LIB\$SIGNAL	
		18 11 00033		BRB	4\$	
		52 DD 00035 3\$:		PUSHL	R2	: 0548
		007EDE90 8F DD 00037		PUSHL	#8314512	
00000000G	00	01 FB 0003D		CALLS	#1, MAIL\$GETMSG	
		50 DD 00044		PUSHL	R0	
00000000G	00	02 FB 00046		CALLS	#2, MAIL\$PUT_OUTPUT	
	50	01 D0 0004D 4\$:		MOVL	#1, R0	: 0550
		04 00050		RET		: 0551

: Routine Size: 81 bytes, Routine Base: \$CODE\$ + 0506

```

: 416      0552 1 GLOBAL ROUTINE MAIL$CMD_SHOW_DIR =
: 417      0553 1 |++
: 418      0554 1 | FUNCTIONAL DESCRIPTION:
: 419      0555 1 |
: 420      0556 1 |         Show the name of the current mail directory
: 421      0557 1 | --
: 422      0558 2 BEGIN
: 423      0559 2
: 424      0560 2 SIGNAL(MAIL$_MAILDIR, %X'10001', MAIL$_USERDEF);
: 425      0561 2 RETURN TRUE
: 426      0562 1 END;

```

```

                                0000 0000      .ENTRY MAIL$CMD_SHOW_DIR, Save nothing      : 0552
                                00000000G 00 9F 00002  PUSHAB MAIL$_USERDEF      : 0560
                                00010001 8F DD 00008  PUSHL #65537
                                007EDF18 8F DD 0000E  PUSHL #8314648
                                00000000G 00 03 FB 00014  CALLS #3, LIB$SIGNAL
                                50 01 D0 0001B  MOVL #1, R0      : 0561
                                04 0001E  RET      : 0562

```

; Routine Size: 31 bytes, Routine Base: \$CODE\$ + 0557

```

: 428      0563 1 GLOBAL ROUTINE MAIL$CMD_SHOW_FILE =
: 429      0564 1 |++
: 430      0565 1 | FUNCTIONAL DESCRIPTION:
: 431      0566 1 |
: 432      0567 1 |         Show the name of the current mail file
: 433      0568 1 | --
: 434      0569 2 BEGIN
: 435      0570 2
: 436      P 0571 2 IF_ERR(MAIL$OPEN_IF();,
: 437      0572 2     RETURN TRUE);
: 438      0573 2
: 439      0574 2 SIGNAL(MAIL$_MAILFILE, 'X'10001', MAIL$_RD_DESC);
: 440      0575 2
: 441      0576 2 RETURN TRUE
: 442      0577 1 END;

```

```

          00000000G 00          0000 00000          .ENTRY MAIL$CMD_SHOW_FILE, Save nothing          : 0563
          19          50 FB 00002          CALLS #0, MAIL$OPEN_IF          : 0572
          00000000G 00 9F 00009          BLBC STATUS, 1$          :
          00010001 8F DD 00012          PUSHAB MAIL$_RD_DESC          : 0574
          007EDF20 8F DD 00018          PUSHL #65537          :
          00000000G 00 03 FB 0001E          PUSHL #8314656          :
          50          01 D0 00025 1$:          CALLS #3, LIB$SIGNAL          :
          04 00028          MOVL #1, R0          : 0576
          RET          RET          : 0577

```

: Routine Size: 41 bytes, Routine Base: \$CODE\$ + 0576


```

: 444 0578 1 GLOBAL ROUTINE MAIL$CMD_SHOW_NEW =
: 445 0579 1 |++
: 446 0580 1 | FUNCTIONAL DESCRIPTION:
: 447 0581 1 |
: 448 0582 1 | Show the new message count
: 449 0583 1 |
: 450 0584 1 | --
: 451 0585 2 BEGIN
: 452 0586 2
: 453 0587 2 LOCAL
: 454 0588 2 NEWCOUNT;
: 455 0589 2
: 456 0590 2 NEWCOUNT = 0;
: 457 0591 2 MAIL$GET_NEWMAIL(MAIL$Q_USERNAME,NEWCOUNT);
: 458 0592 2
: 459 0593 2 MAIL$PUT_OUTPUT(MAIL$GETMSG(MAIL$_YOUHAVENEW),.NEWCOUNT);
: 460 0594 2 RETURN TRUE
: 461 0595 1 END;

```

		0000 0000	.ENTRY	MAIL\$CMD_SHOW_NEW, Save nothing	: 0578
		7E D4 00002	CLRL	NEWCOUNT	: 0590
		5E DD 00004	PUSHL	SP	: 0591
00000000G	00	00000000G 00 9F 00006	PUSHAB	MAIL\$Q_USERNAME	
		02 FB 0000C	CALLS	#2, MAIL\$GET_NEWMAIL	
		6E DD 00013	PUSHL	NEWCOUNT	: 0593
00000000G	00	007EDE08 8F DD 00015	PUSHL	#8314376	
		01 FB 0001B	CALLS	#1, MAIL\$GETMSG	
		50 DD 00022	PUSHL	R0	
00000000G	00	02 FB 00024	CALLS	#2, MAIL\$PUT_OUTPUT	
	50	01 D0 0002B	MOVL	#1, R0	: 0594
		04 0002E	RET		: 0595

: Routine Size: 47 bytes. Routine Base: \$CODE\$ + 059F

```

: 463 0596 1 GLOBAL ROUTINE MAIL$CMD_SHOW_ALL =
: 464 0597 1 |++
: 465 0598 1 | FUNCTIONAL DESCRIPTION:
: 466 0599 1 |
: 467 0600 1 |         Show the world
: 468 0601 1 |
: 469 0602 1 | --
: 470 0603 2 BEGIN
: 471 0604 2 BIND
: 472 0605 2     UREC = .MAIL$_USRSYSBUF : $BBLOCK;
: 473 0606 2
: 474 0607 2 LOCAL
: 475 0608 2     DESC : VECTOR[2, LONG];
: 476 0609 2
: 477 0610 2 |
: 478 0611 2 | File related things (SET MAIL DIR, SET FILE, SELECT folder, SET
: 479 0612 2 | WASTEBASKET, SHOW DELETED, SHOW NEW_MAIL_COUNT)
: 480 0613 2 |
: 481 0614 2 DESC[0] = 0;
: 482 0615 2 DESC[1] = DESC[0];
: 483 0616 2 MAIL$CMD_SHOW_DIR();
: 484 0617 2 MAIL$CMD_SHOW_FILE();
: 485 0618 2 IF .MAIL$GL_FLAGS[MAIF_V_ISAM]
: 486 0619 3 THEN BEGIN
: 487 0620 3     MAIL$CMD_SHOW_FOLDER();
: 488 0621 3     MAIL$CMD_SHOW_WASTE();
: 489 0622 3     MAIL$CMD_SHOW_DELMMSG();
: 490 0623 3     MAIL$PUT_OUTPUT(DESC);           !Blank line
: 491 0624 3     MAIL$CMD_SHOW_NEW();
: 492 0625 3     END;
: 493 0626 2
: 494 0627 2 MAIL$PUT_OUTPUT(DESC);           !Blank line
: 495 0628 2 |
: 496 0629 2 | More personal things (SET FORWARD, SET PERSONAL_NAME, SET COPY_SELF,
: 497 0630 2 | and SET AUTOPURGE).
: 498 0631 2 |
: 499 0632 2 IF NOT MAIL$CHECK_FORW(MAIL$_USERNAME)
: 500 0633 2     THEN MAIL$PUT_OUTPUT(MAIL$GETMSG(MAIL$_SHOW20))
: 501 0634 2     ELSE MAIL$PUT_OUTPUT(MAIL$GETMSG(MAIL$_SHOW30), UREC[VMD_B_FWDLNG]);
: 502 0635 2
: 503 0636 2 IF .UREC[VMD_B_FNMLNG] EQL 0
: 504 0637 2     THEN MAIL$PUT_OUTPUT(MAIL$GETMSG(MAIL$_SHOW60))
: 505 0638 2     ELSE MAIL$PUT_OUTPUT(MAIL$GETMSG(MAIL$_SHOW70), .UREC[VMD_B_FNMLNG],
: 506 0639 2     UREC[VMD_T_FWDNAM]$.UREC[VMD_B_FWDLNG]);
: 507 0640 2
: 508 0641 2 MAIL$CMD_SHOW_SELF();
: 509 0642 2 MAIL$CMD_SHOW_AUTO();
: 510 0643 2
: 511 0644 2 RETURN TRUE
: 512 0645 1 END;

```

55 0000000G 00 003C 0000
00 9E 00002

.ENTRY MAIL\$CMD_SHOW_ALL, Save R2,R3,R4,R5
MOVAB MAIL\$GETMSG, R5

: 0596
:

	54	00000000G	00	9E	00009	MOVAB	MAIL\$PUT_OUTPUT, R4	0605
	53	FF75	CF	9E	00010	MOVAB	MAIL\$CMD_SHOW_DIR, R3	0614
	5E		04	C2	00015	SUBL2	#4, SP	0615
	52	00000000G	00	D0	00018	MOVL	MAIL\$SL_USRSYSBUF, R2	0616
			7E	D4	0001F	CLRL	DESC	0617
04	AE		6E	9E	00021	MOVAB	DESC, DESC+4	0618
	63		00	FB	00025	CALLS	#0, MAIL\$CMD_SHOW_DIR	0620
1F	A3		00	FB	00028	CALLS	#0, MAIL\$CMD_SHOW_FILE	0621
	17	00000000G	00	E9	0002C	BLBC	MAIL\$GL_FLAGS, 1\$	0622
FC74	C3		00	FB	00033	CALLS	#0, MAIL\$CMD_SHOW_FOLDER	0623
AF	A3		00	FB	00038	CALLS	#0, MAIL\$CMD_SHOW_WASTE	0624
FCC9	C3		00	FB	0003C	CALLS	#0, MAIL\$CMD_SHOW_DELMMSG	0627
			5E	DD	00041	PUSHL	SP	0632
	64		01	FB	00043	CALLS	#1, MAIL\$PUT_OUTPUT	0633
48	A3		00	FB	00046	CALLS	#0, MAIL\$CMD_SHOW_NEW	0634
			5E	DD	0004A	PUSHL	SP	0636
	64		01	FB	0004C	CALLS	#1, MAIL\$PUT_OUTPUT	0637
00000000G	00	00000000G	00	9F	0004F	PUSHAB	MAIL\$Q_USERNAME	0638
	10		01	FB	00055	CALLS	#1, MAIL\$CHECK_FORW	0639
		007EDE48	50	E8	0005C	BLBS	R0, 2\$	0641
	65		8F	DD	0005F	PUSHL	#8314440	0642
			01	FB	00065	CALLS	#1, MAIL\$GETMSG	0644
			50	DD	00068	PUSHL	R0	0645
	64		01	FB	0006A	CALLS	#1, MAIL\$PUT_OUTPUT	0646
			11	11	0006D	BRB	3\$	0647
		43	A2	9F	0006F	PUSHAB	67(R2)	0648
		007EDE50	8F	DD	00072	PUSHL	#8314448	0649
	65		01	FB	00078	CALLS	#1, MAIL\$GETMSG	0650
			50	DD	0007B	PUSHL	R0	0651
	64		02	FB	0007D	CALLS	#2, MAIL\$PUT_OUTPUT	0652
		42	A2	95	00080	TSTB	56(R2)	0653
			10	12	00083	BNEQ	4\$	0654
		007EDE68	8F	DD	00085	PUSHL	#8314472	0655
	65		01	FB	0008B	CALLS	#1, MAIL\$GETMSG	0656
			50	DD	0008E	PUSHL	R0	0657
	64		01	FB	00090	CALLS	#1, MAIL\$PUT_OUTPUT	0658
			1A	11	00093	BRB	5\$	0659
	50		A2	9A	00095	MOVZBL	67(R2), R0	0660
		43	A2	9F	00099	PUSHAB	68(R0)[R2]	0661
		44	A2	9A	0009D	MOVZBL	66(R2), -(SP)	0662
	7E		A2	9A	0009D	MOVZBL	66(R2), -(SP)	0663
		007EDE70	8F	DD	000A1	PUSHL	#8314480	0664
	65		01	FB	000A7	CALLS	#1, MAIL\$GETMSG	0665
			50	DD	000AA	PUSHL	R0	0666
	64		03	FB	000AC	CALLS	#3, MAIL\$PUT_OUTPUT	0667
FF1D	C3		00	FB	000AF	CALLS	#0, MAIL\$CMD_SHOW_SELF	0668
FEB7	C3		00	FB	000B4	CALLS	#0, MAIL\$CMD_SHOW_AUTO	0669
	50		01	D0	000B9	MOVL	#1, R0	0670
			04	00	000BC	RET		0671

; Routine Size: 189 bytes, Routine Base: \$CODE\$ + 05CE

```
0646 1 GLOBAL ROUTINE MAIL$CMD_SHOW_KEY =
0647 1 |*+
0648 1 | FUNCTIONAL DESCRIPTION:
0649 1 |
0650 1 |         Process the SHOW KEY command
0651 1 |
0652 1 | --
0653 2 BEGIN
0654 2
0655 2 LOCAL
0656 2     ALL_FLAG,
0657 2     DIR_FLAG,
0658 2     BRIEF_FLAG,
0659 2     ZDESC : VECTOR[2, LONG],
0660 2     SMG_CONTEXT,
0661 2     KEY_ATTRIBUTES : $BLOCK[4];
0662 2
0663 2 OWN
0664 2     SEEN_STATES : DYN_DESC_DECL,
0665 2     PREV_STATE : DYN_DESC_DECL,
0666 2     STATE_DESC : DYN_DESC_DECL,
0667 2     KEYDESC : DYN_DESC_DECL,
0668 2     KEY_NAME_DESC : DYN_DESC_DECL,
0669 2     IF_STATE_DESC : DYN_DESC_DECL,
0670 2     EQUIV_DESC : DYN_DESC_DECL,
0671 2     STATE_STRING_DESC : DYN_DESC_DECL;
0672 2
0673 2 ZDESC[0] = 0;
0674 2 ZDESC[1] = ZDESC[0];
0675 2 DIR_FLAG = CL$PRESENT(SD_DIRECTORY);
0676 2 IF NOT DIR_FLAG
0677 3 THEN BEGIN
0678 4     IF NOT (ALL_FLAG = CL$PRESENT(SD_ALL))
0679 3     THEN CL$GET_VALUE(SD_KEYNAME, KEYDESC)
0680 3     ELSE STR$FREE1_DX(KEYDESC);
0681 3     BRIEF_FLAG = CL$PRESENT(SD_BRIEF);
0682 3     IF CL$PRESENT(SD_STATE)
0683 3     THEN CL$GET_VALUE(SD_STATE, STATE_DESC)
0684 3     ELSE STR$FREE1_DX(STATE_DESC);
0685 4     DO BEGIN
0686 4         SMG_CONTEXT = 0;
0687 4         STR$FREE1_DX(PREV_STATE);
0688 4         IF STATE_DESC[DSC$W_LENGTH] EQL 0
0689 4         THEN STR$COPY_DX(STATE_DESC, $DESCRIPTOR('DEFAULT'));
0690 4         WHILE SMG$LIST_KEY_DEFS(MAIL$L_SMG_KEYTABLE,
0691 4             SMG_CONTEXT,
0692 4             KEY_NAME_DESC, IF_STATE_DESC,
0693 4             KEY_ATTRIBUTES, EQUIV_DESC,
0694 4             STATE_STRING_DESC)
0695 5         DO BEGIN
0696 5             IF CH$EQL(.IF_STATE_DESC[DSC$W_LENGTH], .IF_STATE_DESC[DSC$A_POINTER],
0697 5                 STATE_DESC[DSC$W_LENGTH], STATE_DESC[DSC$A_POINTER])
0698 7             AND ((.KEYDESC[DSC$W_LENGTH] EQL 0)
0699 6             OR CH$EQL(.KEYDESC[DSC$W_LENGTH], .KEYDESC[DSC$A_POINTER],
0700 6                 KEY_NAME_DESC[DSC$W_LENGTH],
0701 6                 KEY_NAME_DESC[DSC$A_POINTER]))
0702 6             THEN BEGIN
```

```

: 571      0703      6      IF NOT CH$EQL(.IF STATE DESC[DSC$W_LENGTH],
: 572      0704      6      .IF STATE DESC[DSC$A_POINTER],
: 573      0705      6      .PREV_STATE[DSC$W_LENGTH],
: 574      0706      6      .PREV_STATE[DSC$A_POINTER])
: 575      0707      7      THEN BEGIN
: 576      0708      7      MAIL$PUT_OUTPUT(ZDESC);
: 577      0709      7      MAIL$PUT_OUTPUT(MAIL$GETMSG(MAIL$ SHOWKEY30),
: 578      0710      7      IF STATE DESC);
: 579      0711      7      STR$COPY_DX(PREV_STATE,IF_STATE_DESC);
: 580      0712      6      END;
: 581      0713      6      IF .BRIEF FLAG
: 582      0714      6      THEN MAIL$PUT_OUTPUT(MAIL$GETMSG(MAIL$ SHOWKEY10),
: 583      0715      6      KEY_NAME_DESC,EQUIV_DESC)
: 584      0716      7      ELSE BEGIN
: 585      0717      7      IF .KEY_ATTRIBUTES[SMG$V_KEY_NOECHO]
: 586      0718      7      THEN STR$FREE1_DX(SEEN_STATES)
: 587      0719      7      ELSE STR$COPY_DX(SEEN_STATES,MAIL$GETMSG(MAIL$ SHOWKEY40));
: 588      0720      7      IF .KEY_ATTRIBUTES[SMG$V_KEY_TERMINATE]
: 589      0721      8      THEN BEGIN
: 590      0722      8      IF .SEEN_STATES[DSC$W_LENGTH] NEQ 0
: 591      0723      8      THEN STR$CONCAT(SEEN_STATES,SEEN_STATES,COMMA_DESC,
: 592      0724      8      MAIL$GETMSG(MAIL$ SHOWKEY50))
: 593      0725      8      ELSE STR$COPY_DX(SEEN_STATES,
: 594      0726      8      MAIL$GETMSG(MAIL$ SHOWKEY50));
: 595      0727      7      END;
: 596      0728      7      IF .KEY_ATTRIBUTES[SMG$V_KEY_LOCK]
: 597      0729      8      THEN BEGIN
: 598      0730      8      IF .SEEN_STATES[DSC$W_LENGTH] NEQ 0
: 599      0731      8      THEN STR$CONCAT(SEEN_STATES,SEEN_STATES,COMMA_DESC,
: 600      0732      8      MAIL$GETMSG(MAIL$ SHOWKEY70))
: 601      0733      8      ELSE STR$COPY_DX(SEEN_STATES,
: 602      0734      8      MAIL$GETMSG(MAIL$ SHOWKEY70));
: 603      0735      7      END;
: 604      0736      7      IF .KEY_ATTRIBUTES[SMG$V_KEY_SETSTATE]
: 605      0737      8      THEN BEGIN
: 606      0738      8      IF .SEEN_STATES[DSC$W_LENGTH] NEQ 0
: 607      0739      8      THEN STR$CONCAT(SEEN_STATES,SEEN_STATES,COMMA_DESC,
: 608      0740      8      MAIL$FAO_GETMSG(MAIL$ SHOWKEY60,
: 609      0741      8      STATE_STRING_DESC))
: 610      0742      8      ELSE STR$COPY_DX(SEEN_STATES,
: 611      0743      8      MAIL$FAO_GETMSG(MAIL$ SHOWKEY60,
: 612      0744      8      STATE_STRING_DESC));
: 613      0745      7      END;
: 614      0746      7      IF .SEEN_STATES[DSC$W_LENGTH] NEQ 0
: 615      0747      7      THEN MAIL$PUT_OUTPUT(MAIL$GETMSG(MAIL$ SHOWKEY20),
: 616      0748      7      KEY_NAME_DESC,EQUIV_DESC,SEEN_STATES)
: 617      0749      7      ELSE MAIL$PUT_OUTPUT(MAIL$GETMSG(MAIL$ SHOWKEY10),
: 618      0750      7      KEY_NAME_DESC,EQUIV_DESC);
: 619      0751      6      END;
: 620      0752      5      END;
: 621      0753      5      END
: 622      0754      3      END UNTIL NOT CLISGET_VALUE(SD_STATE,STATE_DESC);
: 623      0755      3      END
: 624      0756      3      ELSE BEGIN
: 625      0757      3      ! List directory of key states
: 626      0758      3      SMG_CONTEXT = 0;
: 627      0759      3      STR$FREE1_DX(PREV_STATE);

```

```

: 628 0760 3 STR$FREE1 DX(SEEN_STATES);
: 629 0761 3 WHILE SMG$LIST_KEY_DEFS(MAIL$S, SMG_KEYTABLE,
: 630 0762 3 SMG_CONTEXT,
: 631 0763 3 KEY_NAME_DESC, IF_STATE_DESC,
: 632 0764 3 KEY_ATTRIBUTES, EQUIV_DESC,
: 633 0765 3 STATE_STRING_DESC)
: 634 0766 4 DO BEGIN
: 635 0767 4 STR$CONCAT(KEYDESC, IF_STATE_DESC, $DESCRIPTOR('/'));
: 636 0768 4 IF NOT CH$EQL(.PREV_STATE[DSC$W_LENGTH], .PREV_STATE[DSC$A_POINTER],
: 637 0769 4 .IF_STATE_DESC[DSC$W_LENGTH],
: 638 0770 4 .IF_STATE_DESC[DSC$A_POINTER])
: 639 0771 4 AND CH$FAIL(CH$FIND_SUB(.SEEN_STATES[DSC$W_LENGTH],
: 640 0772 4 .SEEN_STATES[DSC$A_POINTER],
: 641 0773 4 .KEYDESC[DSC$W_LENGTH],
: 642 0774 4 .KEYDESC[DSC$A_POINTER]))
: 643 0775 5 THEN BEGIN
: 644 0776 5 STR$COPY DX(PREV_STATE, IF_STATE_DESC);
: 645 0777 5 STR$CONCAT(SEEN_STATES, SEEN_STATES, IF_STATE_DESC, $DESCRIPTOR('/'));
: 646 0778 5 MAIL$PUT_OUTPUT(PREV_STATE);
: 647 0779 4 END;
: 648 0780 3 END;
: 649 0781 2 END;
: 650 0782 2 RETURN TRUE
: 651 0783 1 END;
: 652 0784 1

```

```

54 4C 55 41 46 45 44 0068B P.AAT: .ASCII \DEFAULT\
00692 .BLKB 2
00000007 00694 P.AAS: .LONG 7
00000000' 00698 .ADDRESS P.AAT
2F 0069C P.AAV: .ASCII \/\
0069D .BLKB 3
00000001 006A0 P.AAU: .LONG 1
00000000' 006A4 .ADDRESS P.AAV
2F 006A8 P.AAX: .ASCII \/\
006A9 .BLKB 3
00000001 006AC P.AAW: .LONG 1
00000000' 006B0 .ADDRESS P.AAX

.PSECT $OWNS, NOEXE, 2

```

```

00# 00010 SEEN_STATES:
02 0E 00012 .BYTE 0[2]
00014 .BLKB 4
00# 00018 PREV_STATE:
02 0E 0001A .BYTE 0[2]
0001C .BLKB 4
00# 00020 STATE_DESC:
02 0E 00022 .BYTE 0[2]
00024 .BLKB 4
00# 00028 KEYDESC: .BYTE 0[2]
02 0E 0002A .BLKB 4

```

```

00# 0002C .BLKB 4
00# 00030 KEY_NAME_DESC:
02 0E 00032 .BYTE 0[2]
00034 .BLKB 4
00# 00038 IF_STATE_DESC:
02 0E 0003A .BYTE 14, 2
0003C .BLKB 4
00# 00040 EQUIV_DESC:
02 0E 00042 .BYTE 0[2]
00044 .BLKB 4
00# 00048 STATE_STRING_DESC:
02 0E 0004A .BYTE 14, 2
0004C .BLKB 4

```

.PSECT \$CODE\$,NOWRT,2

OFFC 00000

```

.ENTRY MAIL$CMD_SHOW_KEY, Save R2,R3,R4,R5,R6,R7,- ; 0646
R8,R9,R10,R11
MOVAB STR$FREE1_DX, R11
MOVAB STR$COPY_DX, R10
MOVAB MAIL$GETMSG, R9
MOVAB SD_STATE, R8
MOVAB SEEN_STATES, R7
SUBL2 #16, SP
CLRL ZDESC ; 0673
MOVAB ZDESC, ZDESC+4 ; 0674
PUSHAB SD_DIRECTORY ; 0675
CALLS #1, CLIS$PRESENT
BLBC DIR_FLAG, 1$ ; 0676
BRW 22$
PUSHAB SD_ALL ; 0678
CALLS #1, CLIS$PRESENT
BLBS ALL_FLAG, 2$
PUSHAB KEYDESC ; 0679
PUSHAB SD_KEYNAME
CALLS #2, CLIS$GET_VALUE
BRB 3$
PUSHAB KEYDESC ; 0680
CALLS #1, STR$FREE1_DX
PUSHAB SD_BRIEF ; 0681
CALLS #1, CLIS$PRESENT
MOVL R0, BRIEF_FLAG ; 0682
PUSHL R8
CALLS #1, CLIS$PRESENT
BLBC R0, 4$ ; 0683
PUSHAB STATE_DESC
PUSHL R8
CALLS #2, CLIS$GET_VALUE
BRB 5$
PUSHAB STATE_DESC ; 0684
CALLS #1, STR$FREE1_DX

```

```

5B 00000000G 00 9E 00002
5A 00000000G 00 9E 00009
59 00000000G 00 9E 00010
58 F961 CF 9E 00017
57 00000000' 00 9E 0001C
5E 10 C2 00023
OC AE 08 AE D4 00026
00000000G 00 24 AR 9F 0002E
03 01 FB 00031
0201 50 E9 00038
00000000G 00 F0 A8 9F 0003E 1$:
0F 01 FB 00041
18 A7 9F 00048
00000000G 00 E4 A8 9F 0004E
06 06 11 00058
18 A7 9F 0005A 2$:
6B 01 FB 0005D
00000000G 00 10 A8 9F 00060 3$:
56 01 FB 00063
00000000G 00 50 D0 0006A
0E 58 DD 0006D
10 01 FB 0006F
00000000G 00 50 E9 00076
10 A7 9F 00079
58 DD 0007C
00000000G 00 02 FB 0007E
06 11 00085
10 A7 9F 00087 4$:
6B 01 FB 0008A

```


		67	B5	0014F	TSTW	SEEN_STATES	0722
		1B	13	00151	BEQL	13\$	
	007EDF68	8F	DD	00153	PUSHL	#8314728	0724
69		01	FB	00159	CALLS	#1, MAIL\$GETMSG	
		50	DD	0015C	PUSHL	R0	
	D4	A8	9F	0015E	PUSHAB	COMMA_DESC	0723
		57	DD	00161	PUSHL	R7	
	00000000G	57	DD	00163	PUSHL	R7	
		04	FB	00165	CALLS	#4, STR\$CONCAT	
		10	11	0016C	BRB	14\$	
	007EDF68	8F	DD	0016E	PUSHL	#8314728	0726
69		01	FB	00174	CALLS	#1, MAIL\$GETMSG	
		50	DD	00177	PUSHL	R0	
		57	DD	00179	PUSHL	R7	0725
	6A	02	FB	0017B	CALLS	#2, STR\$COPY_DX	
2F	6E	02	E1	0017E	BBC	#2, KEY_ATTRIBUTES, 16\$	0728
		67	B5	00182	TSTW	SEEN_STATES	0730
		1B	13	00184	BEQL	15\$	
	007EDF78	8F	DD	00186	PUSHL	#8314744	0732
69		01	FB	0018C	CALLS	#1, MAIL\$GETMSG	
		50	DD	0018F	PUSHL	R0	
	D4	A8	9F	00191	PUSHAB	COMMA_DESC	0731
		57	DD	00194	PUSHL	R7	
	00000000G	57	DD	00196	PUSHL	R7	
		04	FB	00198	CALLS	#4, STR\$CONCAT	
		10	11	0019F	BRB	16\$	
	007EDF78	8F	DD	001A1	PUSHL	#8314744	0734
69		01	FB	001A7	CALLS	#1, MAIL\$GETMSG	
		50	DD	001AA	PUSHL	R0	
		57	DD	001AC	PUSHL	R7	0733
	6A	02	FB	001AE	CALLS	#2, STR\$COPY_DX	
3D	6E	04	E1	001B1	BBC	#4, KEY_ATTRIBUTES, 18\$	0736
		67	B5	001B5	TSTW	SEEN_STATES	0738
		22	13	001B7	BEQL	17\$	
	38	A7	9F	001B9	PUSHAB	STATE_STRING_DESC	0740
	007EDF70	8F	DD	001BC	PUSHL	#8314736	
00000000G		02	FB	001C2	CALLS	#2, MAIL\$FAO_GETMSG	
		50	DD	001C9	PUSHL	R0	
	D4	A8	9F	001CB	PUSHAB	COMMA_DESC	0739
		57	DD	001CE	PUSHL	R7	
	00000000G	57	DD	001D0	PUSHL	R7	
		04	FB	001D2	CALLS	#4, STR\$CONCAT	
		17	11	001D9	BRB	18\$	
	38	A7	9F	001DB	PUSHAB	STATE_STRING_DESC	0743
	007EDF70	8F	DD	001DE	PUSHL	#8314736	
00000000G		02	FB	001E4	CALLS	#2, MAIL\$FAO_GETMSG	
		50	DD	001EB	PUSHL	R0	
		57	DD	001ED	PUSHL	R7	0742
	6A	02	FB	001EF	CALLS	#2, STR\$COPY_DX	
		67	B5	001F2	TSTW	SEEN_STATES	0746
		1C	13	001F4	BEQL	19\$	
		57	DD	001F6	PUSHL	R7	0747
	30	A7	9F	001F8	PUSHAB	EQUIV_DESC	
	20	A7	9F	001FB	PUSHAB	KEY_NAME_DESC	
	007EDF50	8F	DD	001FE	PUSHL	#8314704	
69		01	FB	00204	CALLS	#1, MAIL\$GETMSG	
		50	DD	00207	PUSHL	R0	

		00000000G	00		04	FB	00209		CALLS	#4, MAIL\$PUT_OUTPUT		
					18	11	00210		BRB	20\$		
					30	A7	9F 00212	19\$:	PUSHAB	EQUIV_DESC		0749
					20	A7	9F 00215		PUSHAB	KEY_NAME_DESC		
					007EDF48	8F	DD 00218		PUSHL	#83T4696-		
			69		01	FB	0021E		CALLS	#1, MAIL\$GETMSG		
					50	DD	00221		PUSHL	R0		
		00000000G	00		03	FB	00223		CALLS	#3, MAIL\$PUT_OUTPUT		
					FE78	31	0022A	20\$:	BRW	6\$		0696
					10	A7	9F 0022D	21\$:	PUSHAB	STATE_DESC		0754
					58	DD	00230		PUSHL	R8		
		00000000G	00		02	FB	00232		CALLS	#2, CLISGET_VALUE		
			30		50	E9	00239		BLBC	R0, 24\$		
					FE4E	31	0023C		BRW	5\$		
					04	AE	D4 0023F	22\$:	CLRL	SMG_CONTEXT		0758
					08	A7	9F 00242		PUSHAB	PREV_STATE		0759
			68		01	FB	00245		CALLS	#1, STR\$FREE1_DX		
					57	DD	00248		PUSHL	R7		0760
			68		01	FB	0024A		CALLS	#1, STR\$FREE1_DX		
					38	A7	9F 0024D	23\$:	PUSHAB	STATE_STRING_DESC		0761
					30	A7	9F 00250		PUSHAB	EQUIV_DESC		
					08	AE	9F 00253		PUSHAB	KEY_ATTRIBUTES		
					28	A7	9F 00256		PUSHAB	IF_STATE_DESC		
					20	A7	9F 00259		PUSHAB	KEY_NAME_DESC		
					18	AE	9F 0025C		PUSHAB	SMG_CONTEXT		
					00000000G	00	9F 0025F		PUSHAB	MAIL\$SMG_KEYTABLE		
		00000000G	00		07	FB	00265		CALLS	#7, SMG\$LIST_KEY_DEFS		
			66		50	E9	0026C	24\$:	BLBC	R0, 26\$		
					0670	C8	9F 0026F		PUSHAB	P.AAU		0767
					28	A7	9F 00273		PUSHAB	IF_STATE_DESC		
					18	A7	9F 00276		PUSHAB	KEYDESC		
		00000000G	00		03	FB	00279		CALLS	#3, STR\$CONCAT		
			51		0C	A7	D0 00280		MOVL	PREV_STATE+4, R1		0768
			50		2C	A7	D0 00284		MOVL	IF_STATE_DESC+4, R0		0770
28	A7		00		08	A7	2D 00288		CMPCS	PREV_STATE, (R1), #0, IF_STATE_DESC, (R0)		0768
					60		0028F					
					BB	13	00290		BEQL	23\$		
			51		04	A7	D0 00292		MOVL	SEEN_STATES+4, R1		0772
			54		18	A7	3C 00296		MOVZWL	KEYDESC, R4		0773
			50		1C	A7	D0 0029A		MOVL	KEYDESC+4, R0		0774
	61		67		54	39	0029E		MATCHC	R4, (R0), SEEN_STATES, (R1)		
					03	13	002A3		BEQL	25\$		
			53		54	D0	002A5		MOVL	R4, R3		
			53		54	C2	002A8	25\$:	SUBL2	R4, R3		
					A0	12	002AB		BNEQ	23\$		
					28	A7	9F 002AD		PUSHAB	IF_STATE_DESC		0776
					08	A7	9F 002B0		PUSHAB	PREV_STATE		
			6A		02	FB	002B3		CALLS	#2, STR\$COPY_DX		
					067C	C8	9F 002B6		PUSHAB	P.AAU		0777
					28	A7	9F 002BA		PUSHAB	IF_STATE_DESC		
					57	DD	002BD		PUSHL	R7		
					57	DD	002BF		PUSHL	R7		
		00000000G	00		04	FB	002C1		CALLS	#4, STR\$CONCAT		
					08	A7	9F 002C8		PUSHAB	PREV_STATE		0778
		00000000G	00		01	FB	002CB		CALLS	#1, MAIL\$PUT_OUTPUT		
					FF78	31	002D2		BRW	23\$		0761
			50		01	D0	002D5	26\$:	MOVL	#1, R0		0783

MAIL\$SHOW
V04-000

VAX/VMS MAIL UTILITY SHOW COMMAND

H 14
16-Sep-1984 01:21:50
14-Sep-1984 12:42:33

VAX-11 Bliss-32 V4.0-742
DISK\$VMSMASTER:[MAIL.SRC]SHOW.B32;1 Page 33
(14)

04 002D8 RET

; 0784

; Routine Size: 729 bytes, Routine Base: \$CODE\$ + 06B4

MA
VO

.....

: 654
: 655
0785 1 END
0786 0 ELUDOM

.EXTRN LIB\$SIGNAL

PSECT SUMMARY

Name	Bytes	Attributes
\$OWNS	80	NOVEC, WRT, RD, NOEXE, NOSHR, LCL, REL, CON, NOPIC, ALIGN(2)
\$CODES	2445	NOVEC, NOWRT, RD, EXE, NOSHR, LCL, REL, CON, NOPIC, ALIGN(2)

Library Statistics

File	Total	Symbols Loaded	Percent	Pages Mapped	Processing Time
\$255\$DUA28:[SYSLIB]STARLET.L32;1	9776	33	0	581	00:00.7
\$255\$DUA28:[MAIL.OBJ]MAILDEF.L32;1	457	46	10	26	00:00.2

COMMAND QUALIFIERS

BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/LIS=LIS\$:SHOW/OBJ=OBJ\$:SHOW MSRC\$:SHOW/UPDATE=(ENH\$:SHOW)

: Size: 2264 code + 261 data bytes
: Run Time: 00:20.6
: Elapsed Time: 01:15.0
: Lines/CPU Min: 2293
: Lexemes/CPU-Min: 24472
: Memory Used: 219 pages
: Compilation Complete

0231 AH-BT13A-SE
VAX/VMS V4.0

DIGITAL EQUIPMENT CORPORATION
CONFIDENTIAL AND PROPRIETARY

