





```

1 0001 0 MODULE MAILSDIRECTORY( %TITLE 'DISPLAY SUMMARY OF EACH MESSAGE'
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
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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: DISPLAY A SUMMARY OF EACH MESSAGE IN THE CURRENT FILE.
34 0034 1
35 0035 1 ENVIRONMENT: NATIVE/USER MODE
36 0036 1
37 0037 1 AUTHOR: LEN KAWELL, CREATION DATE: 20-JUN-1979
38 0038 1
39 0039 1 MODIFIED BY:
40 0040 1
41 0041 1 V03-006 ROP0011 Robert Posniak 20-JUN-1984
42 0042 1 Correct extraction of sender node/username
43 0043 1 while listing directory.
44 0044 1
45 0045 1 V03-005 BLS0255 Benn Schreiber 28-Dec-1983
46 0046 1 Use new global flags. Issue message in dir/folder if
47 0047 1 no folders found.
48 0048 1
49 0049 1 V03-004 BLS0225 Benn Schreiber 17-Jun-1983
50 0050 1 Use common erase page routine
51 0051 1
52 0052 1 V03-003 BLS0222 Benn Schreiber 17-May-1983
53 0053 1 If message is deleted, clear flags descriptor
54 0054 1
55 0055 1 V03-002 BLS0211 Benn Schreiber 13-Mar-1983
56 0056 1 Add support for ISAM mail files, and DIR/FOLDER
57 0057 1

```

: 58  
: 59  
: 60  
: 61  
: 62

0058 1 :  
0059 1 :  
0060 1 :  
0061 1 :  
0062 1 :--

V03-001 BLS0177 Benn Schreiber 20-Jun-1982  
Use MAIL\$G\_OUTCHAR rather than INPCHAR. Use MAIL\$Q\_MSG\_FNM  
to get message file filename, rather than user specified  
name, which could be a logical.

```

64 0063 1 :
65 0064 1 : TABLE OF CONTENTS:
66 0065 1 :
67 0066 1 :
68 0067 1 :
69 0068 1 : INCLUDE FILES:
70 0069 1 :
71 0070 1 :     LIBRARY 'SYSS$LIBRARY:STARLET';
72 0071 1 :     REQUIRE 'SRCS:MAILREQ';
73 0217 1 :     LIBRARY 'LIBS:MAILDEF';
74 0218 1 :
75 0219 1 : MACROS:
76 0220 1 :
77 0221 1 :
78 0222 1 : EQUATED SYMBOLS:
79 0223 1 :
80 0224 1 :
81 0225 1 :
82 0226 1 : OWN STORAGE:
83 0227 1 :
84 0228 1 : OWN
85 0229 1 :     SENDER: DYN_DESC_DECL,      : Sender descriptor
86 0230 1 :     SUBJ:   DYN_DESC_DECL,      : Subject descriptor
87 0231 1 :     DATE:   DYN_DESC_DECL,      : Date descriptor
88 0232 1 :     FLAGS_DESC: DYN_DESC_DECL;  : Message flags
89 0233 1 :
90 0234 1 : EXTERNAL REFERENCES:
91 0235 1 :
92 0236 1 :
93 0237 1 : EXTERNAL ROUTINE
94 0238 1 :     MAILSCMD ERASE,             : Erase the screen
95 0239 1 :     MAIL$INFO_FOLDER,          : Get info about next folder
96 0240 1 :     MAIL$FIND_I_MSG,           : Find next ISAM message
97 0241 1 :     MAIL$FIND_MSG,            : Find next message
98 0242 1 :     MAIL$GETMSG,              : Get message text
99 0243 1 :     MAIL$INFO_I_MSG,          : Get current ISAM msg info
100 0244 1 :     MAIL$INFO_MSG,            : Get current message info
101 0245 1 :     MAIL$PUT_OUTPUT,          : Put to SYSS$OUTPUT
102 0246 1 :     STR$FREET_DX;            : Deallocate dynamic string
103 0247 1 : EXTERNAL
104 0248 1 :     MAIL$GL_FLAGS : $BBLOCK,    : Control flags
105 0249 1 :     MAIL$L_CURMSG : REF $BBLOCK, : Current message descriptor
106 0250 1 :     MAIL$Q_CURFOLDER : $BBLOCK, : Descriptor of isam folder
107 0251 1 :     MAIL$Q_INPTRAN : $BBLOCK,   : Translation of SYSS$INPUT
108 0252 1 :     MAIL$L_OUTLINES,          : Number of lines per page
109 0253 1 :     MAIL$Q_RD_DESC : $BBLOCK,   : Descriptor of filename
110 0254 1 :     MAIL$Q_MSG_FILE: BLOCK[,BYTE], : Current message file name
111 0255 1 :     MAIL$Q_MSG_FNM:  BLOCK[,BYTE], : Current message file filename
112 0256 1 :     MAIL$L_MSG_NUM:  LONG;      : Current message number

```

```

114 0257 1 ROUTINE ISAM_DIRECTORY (LINESPP,FULL_FLAG) : NOVALUE =
115 0258 1  +-+
116 0259 1  | FUNCTIONAL DESCRIPTION:
117 0260 1  |
118 0261 1  |       List a directory of an ISAM mail file
119 0262 1  |
120 0263 1  |  --
121 0264 2 BEGIN
122 0265 2
123 0266 2 LOCAL
124 0267 2   NUMLINES;
125 0268 2
126 0269 2 NUMLINES = .LINESPP;
127 0270 2
128 0271 3 DO BEGIN
129 0272 3   IF .MAIL$$_CURMSG NEQ 0
130 0273 4   THEN BEGIN
131 0274 5     IF NOT (IF .FULL_FLAG
132 0275 5       THEN MAIL$INFO_I_MSG(0,SUBJ,DATE,FLAGS_DESC,0,SENDER)
133 0276 5       ELSE MAIL$INFO_I_MSG(0,SUBJ,DATE,0,0,SENDER))
134 0277 4     THEN RETURN;
135 0278 4     IF .FLAGS_DESC[DSC$W_LENGTH] NEQ 0
136 0279 4     AND .NUMLINES LEQ 1
137 0280 4     THEN (MAIL$PUT_OUTPUT(MAIL$GETMSG(MAIL$_MOREMSG),0); RETURN);
138 0281 4     |
139 0282 4     | Display summary information
140 0283 4     |
141 0284 4     MAIL$PUT_OUTPUT($DESCRIPTOR('!SUL !20AS !12AS !AF'),
142 0285 4       .MAIL$$_MSG_NUM,SENDER,
143 0286 4       DATE,
144 0287 4       MINU(.SUBJ[DSC$W_LENGTH],40),.SUBJ[DSC$A_POINTER]);
145 0288 4   END
146 0289 4   ELSE BEGIN
147 0290 4     MAIL$PUT_OUTPUT(MAIL$GETMSG(MAIL$_DIRDEL10),.MAIL$$_MSG_NUM);
148 0291 4     STR$FREET_DX(FLAGS_DESC);
149 0292 4     END;
150 0293 3   IF .FULL_FLAG
151 0294 3   AND .FLAGS_DESC[DSC$W_LENGTH] NEQ 0
152 0295 3   THEN MAIL$PUT_OUTPUT(FLAGS_DESC);
153 0296 3   IF .MAIL$GL_FLAGS[MAIF_V_CTRLCLF]
154 0297 3   THEN RETURN;
155 0298 3   IF NOT MAIL$FIND_I_MSG(0,0,1)
156 0299 3   THEN RETURN;
157 0300 3
158 0301 3   |
159 0302 3   | If output is to a scope, count lines per page
160 0303 3   |
161 0304 3   IF .MAIL$GL_FLAGS[MAIF_V_SCOPE]
162 0305 4   THEN BEGIN
163 0306 4     NUMLINES = .NUMLINES - 1;
164 0307 4     IF .FULL_FLAG
165 0308 4     AND .FLAGS_DESC[DSC$W_LENGTH] NEQ 0
166 0309 4     THEN NUMLINES = .NUMLINES - 1;
167 0310 4   END
168 0311 3   END
169 0312 2 UNTIL .NUMLINES LEQ 0;
170 0313 2
  
```

: 171 0314 2 MAILSPUT\_OUTPUT(MAIL\$GETMSG(MAIL\$\_MOREMSG),0);  
: 172 0315 2 RETURN  
: 173 0316 1 END;

```

.TITLE MAILSDIRECTORY DISPLAY SUMMARY OF EACH MESSAGE
.IDENT \V04-000\
.PSECT $CODE$,NOWRT,2
41 32 31 21 20 53 41 30 32 21 20 4C 55 35 21 0000 P.AAB: .ASCII \!5UL !20AS !12AS !AF\
46 41 21 20 53 0000F
00000014 00014 P.AAA: .LONG 20
00000000' 00018 .ADDRESS P.AAB
.PSECT $OWNS$,NOEXE,2
02 00# 00000 SENDER: .BYTE 0[2]
0E 00002 .BYTE 14, 2
00004 .BLKB 4
02 00# 00008 SUBJ: .BYTE 0[2]
0E 0000A .BYTE 14, 2
0000C .BLKB 4
02 00# 00010 DATE: .BYTE 0[2]
0E 00012 .BYTE 14, 2
00014 .BLKB 4
00# 00018 FLAGS_DESC:
02 0E 0001A .BYTE 0[2]
0001C .BYTE 14, 2
.BLKB 4
.EXTRN MAIL$CMD_ERASE, MAIL$INFO_FOLDER
.EXTRN MAIL$FIND_I_MSG
.EXTRN MAIL$FIND_MSG, MAIL$GETMSG
.EXTRN MAIL$INFO_I_MSG
.EXTRN MAIL$INFO_MSG, MAIL$PUT_OUTPUT
.EXTRN STR$FREE1_DX, MAIL$GL_FLAGS
.EXTRN MAIL$CURMSG, MAIL$CURFOLDER
.EXTRN MAIL$Q_INPTRAN, MAIL$C_OUTLINES
.EXTRN MAIL$Q_RD_DESC, MAIL$Q_MSG_FILE
.EXTRN MAIL$Q_MSG_FNM, MAIL$L_MSG_NUM
.PSECT $CODE$,NOWRT,2
00FC 00000 ISAM_DIRECTORY:
57 00000000G 00 9E 00002 .WORD Save R2,R3,R4,R5,R6,R7 : 0257
56 00000000G 00 9E 00009 MOVAB MAIL$GETMSG, R7
55 00000000G 00 9E 00010 MOVAB MAIL$L_MSG_NUM, R6
54 00000000G 00 9E 00017 MOVAB MAIL$INFO_I_MSG, R5
53 00000000' 00 9E 0001E MOVAB MAIL$PUT_OUTPUT, R4
52 04 AC D0 00025 MOVAB FLAGS_DESC, R3
00000000G 00 D5 00029 1$: MOVL LINESPP, NUMLINES : 0269
56 13 0002F TSTL MAIL$L_CURMSG : 0272
16 08 AC E9 00031 BEQL 6$
E8 A3 9F 00035 BLBC FULL_FLAG, 2$ : 0274
7E D4 00038 PUSHAB SENDER : 0275
CLRL -(SP)

```

			53 DD 0003A	PUSHL R3		
	F8		A3 9F 0003C	PUSHAB DATE		
	FO		A3 9F 0003F	PUSHAB SUBJ		
			7E D4 00042	CLRL -(SP)		
65			06 FB 00044	CALLS #6, MAIL\$INFO_I_MSG		
14			50 E8 00047	BLBS R0, 3\$		
			04 0004A	RET		
	E8		A3 9F 0004B 2\$:	PUSHAB SENDER		0276
			7E 7C 0004E	CLRQ -(SP)		
	F8		A3 9F 00050	PUSHAB DATE		
	FO		A3 9F 00053	PUSHAB SUBJ		
			7E D4 00056	CLRL -(SP)		
65			06 FB 00058	CALLS #6, MAIL\$INFO_I_MSG		
61			50 E9 0005B	BLBC R0, 9\$		
			63 B5 0005E 3\$:	TSTW FLAGS_DESC		0278
			05 13 00060	BEQL 4\$		
01			52 D1 00062	CMPL NUMLINES, #1		0279
			76 1B 00065	BLEQU 11\$		
	F4		A3 DD 00067 4\$:	PUSHL SUBJ+4		0287
7E	FO		A3 3C 0006A	MOVZWL SUBJ, -(SP)		
28			6E B1 0006E	CMPL (SP), #40		
			03 1B 00071	BLEQU 5\$		
6E			28 D0 00073	MOVL #40, (SP)		
	F8		A3 9F 00076 5\$:	PUSHAB DATE		0284
	E8		A3 9F 00079	PUSHAB SENDER		
			66 DD 0007C	PUSHL MAIL\$MSG_NUM		0285
	FF76		CF 9F 0007E	PUSHAB P.AAA		0284
64			06 FB 00082	CALLS #6, MAIL\$PUT_OUTPUT		
			19 11 00085	BRB 7\$		0272
			66 DD 00087 6\$:	PUSHL MAIL\$MSG_NUM		0290
67	007EDDE0		8F DD 00089	PUSHL #8314336		
			01 FB 0008F	CALLS #1, MAIL\$GETMSG		
			50 DD 00092	PUSHL R0		
64			02 FB 00094	CALLS #2, MAIL\$PUT_OUTPUT		
			53 DD 00097	PUSHL R3		0291
00000000G	00		01 FB 00099	CALLS #1, STR\$FREE1_DX		
	09	08	AC E9 000A0 7\$:	BLBC FULL_FLAG, 8\$		0293
			63 B5 000A4	TSTW FLAGS_DESC		0294
			05 13 000A6	BEQL 8\$		
			53 DD 000A8	PUSHL R3		0295
64			01 FB 000AA	CALLS #1, MAIL\$PUT_OUTPUT		
39	00000000G		00 E8 000AD 8\$:	BLBS MAIL\$GL_FLAGS+1, 12\$		0296
			01 DD 000B4	PUSHL #1		0298
			7E 7C 000B6	CLRQ -(SP)		
00000000G	00		03 FB 000B8	CALLS #3, MAIL\$FIND_I_MSG		
	28		50 E9 000BF 9\$:	BLBC R0, 12\$		
0C 00000000G	00		04 E1 000C2	BBC #4, MAIL\$GL_FLAGS, 10\$		0304
			52 D7 000CA	DECL NUMLINES		0306
	06	08	AC E9 000CC	BLBC FULL_FLAG, 10\$		0307
			63 B5 000D0	TSTW FLAGS_DESC		0308
			02 13 000D2	BEQL 10\$		
			52 D7 000D4	DECL NUMLINES		0309
			52 D5 000D6 10\$:	TSTL NUMLINES		0312
			03 15 000D8	BLEQ 11\$		
			FF4C 31 000DA	BRW 1\$		
			7E D4 000DD 11\$:	CLRL -(SP)		0314
	007EDDC0		8F DD 000DF	PUSHL #8314304		



MAILSDIRECTORY DISPLAY SUMMARY OF EACH MESSAGE  
V04-000

J 11  
16-Sep-1984 00:50:27 VAX-11 Bliss-32 V4.0-742  
14-Sep-1984 12:42:16 [MAIL.SRC]DIRECTORY.B32;1

67	01	FB	000E5	CALLS	#1, MAIL\$GETMSG
	50	DD	000E8	PUSHL	RO
64	02	FB	000EA	CALLS	#2, MAIL\$PUT_OUTPUT
	04	000ED	12\$:	RET	

:  
:  
:  
: 0316

; Routine Size: 238 bytes, Routine Base: \$CODE\$ + 001C

```

175 0317 1 GLOBAL ROUTINE MAIL$DIRECTORY(FULL_FLAG) : NOVALUE =
176 0318 1
177 0319 1 !++
178 0320 1 FUNCTIONAL DESCRIPTION:
179 0321 1
180 0322 1     Displays a summary of each of the messages in the current
181 0323 1     message file.
182 0324 1
183 0325 1 INPUTS:
184 0326 1
185 0327 1     MAIL$W_MSG_RSIZ = Size of current message record.
186 0328 1     MAIL$L_MSG_RADR = Address of current message record.
187 0329 1
188 0330 1 OUTPUTS:
189 0331 1
190 0332 1     NONE
191 0333 1
192 0334 1 --
193 0335 2 BEGIN
194 0336 2 LOCAL
195 0337 2     PTR,                               | Pointer
196 0338 2     SENDER_SIZ,                         | Sender size
197 0339 2     SENDER_PTR,                       | Sender pointer
198 0340 2     LAST_SIZ,                          | Last size found
199 0341 2     LAST_PTR,                          | Last pointer
200 0342 2     NUMLINES;                          | Number of lines left on page
201 0343 2
202 0344 2
203 0345 2 | Erase the screen and get the number of lines per page/screen
204 0346 2
205 0347 2 MAIL$CMD_ERASE();
206 0348 2 MAIL$PUT_OUTPUT(DESCRIPTOR('!#* !AS'), ! Display file or folder name
207 0349 2     80-(IF .MAIL$GL_FLAGS[MAIF_V_ISAM]
208 0350 2     THEN .MAIL$Q_CURFOLDER[DSC$W_LENGTH]
209 0351 2     ELSE .MAIL$Q_MSG_FNM[DSC$W_LENGTH]),
210 0352 2     (IF .MAIL$GL_FLAGS[MAIF_V_ISAM]
211 0353 2     THEN MAIL$Q_CURFOLDER
212 0354 2     ELSE MAIL$Q_MSG_FNM));
213 0355 2 MAIL$PUT_OUTPUT(MAIL$GETMSG(MAIL$DIRHDO));
214 0356 2 MAIL$PUT_OUTPUT(DESCRIPTOR(' '));
215 0357 2 NUMLINES = MAX(.MAIL$L_OUTLINES-7,1);
216 0358 2
217 0359 2 IF .MAIL$GL_FLAGS[MAIF_V_ISAM]
218 0360 2 THEN BEGIN
219 0361 2     ISAM_DIRECTORY(.NUMLINES,.FULL_FLAG);
220 0362 2     RETURN
221 0363 2 END;
222 0364 2
223 0365 2 | Loop, displaying a summary of each message and getting the next one,
224 0366 2 | until the screen is filled or there aren't any more messages.
225 0367 2
226 0368 2 DO
227 0369 2     BEGIN
228 0370 2     IF NOT MAIL$INFO_MSG(SENDER,SUBJ,DATE)
229 0371 2     THEN
230 0372 2         RETURN;
231 0373 2     !

```

```

232 0374 3 Strip all but the last node name from the sender's name
233 0375
234 0376 LAST_SIZ = SENDER_SIZ = .SENDER[DSC$W_LENGTH];
235 0377 LAST_PTR = SENDER_PTR = .SENDER[DSC$A_POINTER];
236 0378 WHILE NOT CH$FAILT
237 0379     PTR = CH$FIND_SUB(.LAST_SIZ,.LAST_PTR,
238 0380     %CHARCOUNT('::'),UPLIT('::'))
239 0381 DO BEGIN
240 0382     SENDER_SIZ = .LAST_SIZ;
241 0383     SENDER_PTR = .LAST_PTR;
242 0384     LAST_SIZ = .LAST_SIZ - (.PTR + %CHARCOUNT('::') - .LAST_PTR);
243 0385     LAST_PTR = .PTR + %CHARCOUNT('::');
244 0386 END;
245 0387
246 0388 Strip the summary for this message
247 0389
248 0390 MAIL$PUT_OUTPUT(DESCRIPTOR('!SUL !20AD !12AS !AD'),
249 0391     .MAIL$MSG_NUM,
250 0392     .SENDER_SIZ,
251 0393     .SENDER_PTR,
252 0394     DATE,
253 0395     MIN(.SUBJ[DSC$W_LENGTH],40),
254 0396     .SUBJ[DSC$A_POINTER]);
255 0397 IF .MAIL$GL_FLAGS[MAIF_V_CTRLCLF]
256 0398 THEN
257 0399     RETURN;
258 0400 IF NOT MAIL$FIND_MSG(0)
259 0401 THEN
260 0402     RETURN;
261 0403
262 0404 Strip the summary for this message
263 0405
264 0406 IF .MAIL$GL_FLAGS[MAIF_V_SCOPE]
265 0407 THEN
266 0408     NUMLINES = .NUMLINES - 1; ! Decrement number lines page
267 0409 END
268 0410 UNTIL .NUMLINES LEQ 0;
269 0411 MAIL$PUT_OUTPUT(MAIL$GETMSG(MAIL$_MOREMSG),0) ! Tell user there is more
270 0412 1 END;

```

```

53 41 21 20 2A 23 21 0010A P.AAD: .ASCII \!#* !AS\
00111 .BLKB 3
00000007 00114 P.AAC: .LONG 7
00000000' 00118 .ADDRESS P.AAD
20 0011C P.AAF: .ASCII \ \
0011D .BLKB 3
00000001 00120 P.AAE: .LONG 1
00000000' 00124 .ADDRESS P.AAF
41 32 31 21 20 44 41 30 32 21 20 00 00 3A 3A 00128 P.AAG: .ASCII \::\<0><0>
44 41 21 20 53 0012C P.AAI: .ASCII \!SUL !20AD !12AS !AD\
00000014 00140 P.AAH: .LONG 20
00000000' 00144 .ADDRESS P.AAI

```



		03	1B	000DA	BLEQU	10\$		
	6E	28	DD	000DC	MOVL	#40, (SP)		
		8F	BB	000DF	PUSHR	#^M<R7,R9>		0393
	0280	58	DD	000E3	PUSHL	SENDER_SIZ		0392
		00	DD	000E5	PUSHL	MAIL\$L_MSG_NUM		0391
		2C	AA	9F 000EB	PUSHAB	P.AAH		0390
	6B	07	FB	000EE	CALLS	#7, MAIL\$PUT_OUTPUT		
	31	00	C8	000F1	BLBS	MAIL\$GL_FLAGS+1, 14\$		0397
		7E	D4	000F8	CLRL	-(SP)		0400
	00000000G	00	01	FB 000FA	CALLS	#1, MAIL\$FIND_MSG		
		25	50	E9 00101	BLBC	R0, 14\$		
	G2	00	04	E1 00104	BBC	#4, MAIL\$GL_FLAGS, 12\$		0406
			56	D7 0010C	DECL	NUMLINES		0408
			56	D5 0010E	TSTL	NUMLINES		0410
			03	15 00110	BLEQ	13\$		
			FF7C	31 00112	BRW	6\$		
			7E	D4 00115	CLRL	-(SP)		0411
			8F	DD 00117	PUSHL	#8314304		
	00000000G	00	01	FB 0011D	CALLS	#1, MAIL\$GETMSG		
			50	DD 00124	PUSHL	R0		
			6B	02 FB 00126	CALLS	#2, MAIL\$PUT_OUTPUT		
			04	00129	RET			0412

; Routine Size: 298 bytes, Routine Base: \$CODE\$ + 0148

M  
 V  
 4  
 0  
 4  
 0  
 4  
 0  
 4  
 4  
 5

```

: 272      0413 1 ROUTINE OUTPUT_HEADER : NOVALUE =
: 273      0414 1 |++
: 274      0415 1 | FUNCTIONAL DESCRIPTION:
: 275      0416 1 |
: 276      0417 1 |         Output the header for the dir/'older listing
: 277      0418 1 |
: 278      0419 1 |--
: 279      0420 2 BEGIN
: 280      0421 2
: 281      0422 2 MAIL$PUT_OUTPUT(MAIL$GETMSG(MAIL$ DIRHD10),MAIL$Q_RD_DESC);
: 282      0423 2 MAIL$PUT_OUTPUT (MAIL$GETMSG(MAIL$ DIRHD20));
: 283      0424 2 RETURN;
: 284      0425 1 END;
  
```

000C 00000 OUTPUT\_HEADER:

53	00000000G	00	9E	00002	.WORD	Save R2,R3	
52	00000000G	00	9E	00009	MOVAB	MAIL\$PUT_OUTPUT, R3	0413
	00000000G	00	9F	00010	MOVAB	MAIL\$GETMSG, R2	
	007EDDD0	8F	DD	00016	PUSHAB	MAIL\$Q_RD_DESC	0422
62		01	FB	0001C	PUSHL	#8314320	
		50	DD	0001F	CALLS	#1, MAIL\$GETMSG	
63		02	FB	00021	PUSHL	R0	
	007EDDD8	8F	DD	00024	CALLS	#2, MAIL\$PUT_OUTPUT	0423
62		01	FB	0002A	PUSHL	#8314328	
		50	DD	0002D	CALLS	#1, MAIL\$GETMSG	
63		01	FB	0002F	PUSHL	R0	
		04	00	00032	CALLS	#1, MAIL\$PUT_OUTPUT	0425
					RET		

; Routine Size: 51 bytes, Routine Base: \$CODE\$ + 0272

```
286 0426 1 GLOBAL ROUTINE MAIL$DIR_FOLDER (START_DESC) =
287 0427 1 |++
288 0428 1 | FUNCTIONAL DESCRIPTION:
289 0429 1 |
290 0430 1 |     Display a listing of the folders in the current ISAM mail file
291 0431 1 |
292 0432 1 | INPUTS:
293 0433 1 |
294 0434 1 |     START_DESC is a descriptor of the starting folder name
295 0435 1 | --
296 0436 2 BEGIN
297 0437 2 MAP
298 0438 2     START_DESC : REF $BBLOCK;
299 0439 2
300 0440 2 LOCAL
301 0441 2     SEARCH_MODE,
302 0442 2     LISTFLAG : WORD,
303 0443 2     HEAD_FLAG : WORD,
304 0444 2     FOLDERBUF : VECTOR[80,BYTE],
305 0445 2     BUFDESC : VECTOR[2,LONG],
306 0446 2     FOLDER_DESC : $BBLOCK[DSC$C_S_BLN];
307 0447 2
308 0448 2 FOLDER_DESC[DSC$W_LENGTH] = .START_DESC[DSC$W_LENGTH];
309 0449 2 FOLDER_DESC[DSC$B_DTYPE] = 0;
310 0450 2 FOLDER_DESC[DSC$B_CLASS] = 0;
311 0451 2 FOLDER_DESC[DSC$A_POINTER] = .START_DESC[DSC$A_POINTER];
312 0452 2 SEARCH_MODE = (.FOLDER_DESC[DSC$W_LENGTH] NEQ 0);
313 0453 2 HEAD_FLAG = 0;
314 0454 2 LISTFLAG = 0;
315 0455 2 BUFDESC[0] = 0;
316 0456 2 BUFDESC[1] = FOLDERBUF;
317 0457 2 WHILE MAIL$INFO_FOLDER(FOLDER_DESC, .SEARCH_MODE)
318 0458 3 DO BEGIN
319 0459 3     CH$COPY(.FOLDER_DESC[DSC$W_LENGTH], .FOLDER_DESC[DSC$A_POINTER], %C' ',
320 0460 4         (IF .LISTFLAG
321 0461 4             THEN .FOLDER_DESC[DSC$W_LENGTH]
322 0462 3             ELSE MFR_S_FILEKEY+1), FOLDERBUF[.BUFDESC[0]]);
323 0463 4     BUFDESC[0] = .BUFDESC[0] + (IF .LISTFLAG
324 0464 4         THEN .FOLDER_DESC[DSC$W_LENGTH]
325 0465 3         ELSE MFR_S_FILEKEY+1);
326 0466 3     IF .LISTFLAG
327 0467 4     THEN BEGIN
328 0468 4         IF NOT .HEAD_FLAG
329 0469 5         THEN BEGIN
330 0470 5             OUTPUT_HEADER();
331 0471 5             HEAD_FLAG = TRUE;
332 0472 4         END;
333 0473 4         MAIL$PUT_OUTPUT(BUFDESC);
334 0474 4         BUFDESC[0] = 0;
335 0475 3         END;
336 0476 3     LISTFLAG = .LISTFLAG XOR 1;
337 0477 3     IF .MAIL$GL_FLAGS[MAIF_V_CTRL CFL]
338 0478 3     THEN EXITLOOP;
339 0479 3     SEARCH_MODE = 0;
340 0480 2     END;
341 0481 2
342 0482 2 IF .MAIL$GL_FLAGS[MAIF_V_CTRL CFL]
```

```

: 343      0483 2      THEN RETURN TRUE;
: 344      0484 2
: 345      0485 2      IF .BUFDESC[0] NEQ 0
: 346      0486 2      THEN BEGIN
: 347      0487 3          IF NOT .HEAD_FLAG
: 348      0488 3              THEN (OUTPUT_HEADER(); HEAD_FLAG = 1);
: 349      0489 3          MAIL$PUT_OUTPUT(BUFDESC);
: 350      0490 2      END;
: 351      0491 2
: 352      0492 2      IF NOT .HEAD_FLAG
: 353      0493 3          THEN IF ? .FOLDER_DESC[DSC$W_LENGTH] EQL 0)
: 354      0494 2              THEN SIGNAL(MAIL$_FILEMPTY,1,MAIL$Q_RD_DESC)
: 355      0495 2              ELSE SIGNAL(MAIL$_NONEFOUND,2,MAIL$Q_RD_DESC,FOLDER_DESC);
: 356      0496 2
: 357      0497 2      RETURN TRUE
: 358      0498 1      END;

```

				OFFC 00000	.ENTRY	MAIL\$DIR FOLDER, Save R2,R3,R4,R5,R6,R7,R8,-;	
					MOVAB	MAIL\$Q_RD_DESC, R11	0426
					MOVAB	MAIL\$PUT_OUTPUT, R10	
					MOVAB	OUTPUT_HEADER, R9	
					MOVAB	-92(SPT), SP	
					MOVL	START_DESC, R0	0448
					MOVZWL	(R0), FOLDER_DESC	
					MOVL	4(R0), FOLDER_DESC+4	0451
					CLRL	R0	0452
					TSTW	FOLDER_DESC	
					BEQL	1\$	
					INCL	R0	
					MOVL	R0, SEARCH_MODE	
					CLRW	HEAD_FLAG	0453
					CLRW	LISTFLAG	0454
					CLRL	BUFDESC	0455
					MOVAB	FOLDERBUF, BUFDESC+4	0456
					PUSHL	SEARCH_MODE	0457
					PUSHAB	FOLDER_DESC	
					CALLS	#2, MAIL\$INFO_FOLDER	
					BLBC	R0, 9\$	
					BLBC	LISTFLAG, 3\$	0460
					MOVZWL	FOLDER_DESC, R1	0461
					BRB	4\$	
					MOVL	#40, R1	0462
					MOVAB	FOLDERBUF, R0	
					MOVCS	FOLDER_DESC, @FOLDER_DESC+4, #32, R1, -	
						@BUFDESC[R0]	
					BLBC	LISTFLAG, 5\$	0463
					MOVZWL	FOLDER_DESC, R0	0464
					BRB	6\$	
					MOVL	#40, R0	0465
					ADDL2	R0, BUFDESC	0463
					BLBC	LISTFLAG, 8\$	0466
					BLBS	HEAD_FLAG, 7\$	0468



69		00	FB	00077	CALLS	#0, OUTPUT HEADER	:	0470
56		01	B0	0007A	MOVW	#1, HEAD_FLAG	:	0471
	08	AE	9F	0007D	PUSHAB	BUFDESC	:	0473
6A		01	FB	00080	CALLS	#1, MAIL\$PUT_OUTPUT	:	
	08	AE	D4	00083	CLRL	BUFDESC	:	0474
57		01	8C	00086	XORB2	#1, LISTFLAG	:	0476
4C	00000000G	00	E8	00089	BLBS	MAIL\$GL_FLAGS+1, 13\$	:	0477
		58	D4	00090	CLRL	SEARCH_MODE	:	0479
		A7	11	00092	BRB	2\$	:	0457
41	00000000G	00	E8	00094	BLBS	MAIL\$GL_FLAGS+1, 13\$	:	0482
	08	AE	D5	0009B	TSTL	BUFDESC	:	0485
		0F	13	0009E	BEQL	11\$	:	
06		56	E8	000A0	BLBS	HEAD_FLAG, 10\$	:	0487
69		00	FB	000A3	CALLS	#0, OUTPUT HEADER	:	0488
56		01	B0	000A6	MOVW	#1, HEAD_FLAG	:	
	08	AE	9F	000A9	PUSHAB	BUFDESC	:	0489
6A		01	FB	000AC	CALLS	#1, MAIL\$PUT_OUTPUT	:	
2A		56	E8	000AF	BLBS	HEAD_FLAG, 13\$	:	0492
		6E	B5	000B2	TSTW	FOLDER_DESC	:	0493
		13	12	000B4	BNEQ	12\$	:	
		5B	DD	000B6	PUSHL	R11	:	0494
		01	DD	000B8	PUSHL	#1	:	
	007EDF98	8F	DD	000BA	PUSHL	#8314776	:	
00000000G	00	03	FB	000C0	CALLS	#3, LIB\$SIGNAL	:	
		13	11	000C7	BRB	13\$	:	
	4800	8F	BB	000C9	PUSHR	#*M<R11,SP>	:	0495
		02	DD	000CD	PUSHL	#2	:	
	007EDFA0	8F	DD	000CF	PUSHL	#8314784	:	
00000000G	00	04	FB	000D5	CALLS	#4, LIB\$SIGNAL	:	
	50	01	D0	000DC	MOVL	#1, R0	:	0497
		04	00	000DF	RET		:	0498

; Routine Size: 224 bytes, Routine Base: \$CODE\$ + 02A5

: 360            0499 1 END  
: 361            0500 0 ELUDOM

.EXTRN LIB\$SIGNAL

PSECT SUMMARY

Name	Bytes	Attributes
\$OWNS	32	NOVEC, WRT, RD, NOEXE, NOSHR, LCL, REL, CON, NOPIC, ALIGN(2)
\$CODES	901	NOVEC, NOWRT, RD, EXE, NOSHR, LCL, REL, CON, NOPIC, ALIGN(2)

Library Statistics

File	----- Symbols -----		Pages Mapped	Processing Time
	Total	Loaded Percent		
\$_\$255\$DUA28:[SYSLIB]STARLET.L32;1	9776	13 0	581	00:00.7
\$_\$255\$DUA28:[MAIL.OBJ]MAILDEF.L32;1	457	11 2	26	00:00.2

COMMAND QUALIFIERS

BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/LIS=LISS:DIRECTORY/OBJ=OBJ\$:DIRECTORY MSRC\$:DIRECTORY/UPDATE=(ENHS:DIRECTORY)

: Size:            811 code + 122 data bytes  
: Run Time:        00:09.8  
: Elapsed Time:   00:33.6  
: Lines/CPU Min:   3051  
: Lexemes/CPU-Min: 22187  
: Memory Used:    114 pages  
: Compilation Complete



