


```
TTTTTTTTT1  EEEEEEEEE  CCCCCCCC  000000  LL  BBBB BBBB  RRRRRRR  ....
TTTTTTTTTT  EEEEEEEEE  CCCCCCCC  000000  LL  BBBB BBBB  RRRRRRR  ....
TT          EE          CC          00          LL  BB      BB  RR      RR
TT          EE          CC          00          LL  BB      BB  RR      RR
TT          EE          CC          00          LL  BB      BB  RR      RR
TT          EE          CC          00          LL  BB      BB  RR      RR
TT          EEEEEEEE  CC          00          LL  BBBB BBBB  RRRRRRR  ....
TT          EEEEEEEE  CC          00          LL  BBBB BBBB  RRRRRRR  ....
TT          EE          CC          00          LL  BB      BB  RR      RR
TT          EE          CC          00          LL  BB      BB  RR      RR
TT          EEEEEEEE  CC          00          LL  BBBB BBBB  RRRRRRR  ....
TT          EEEEEEEE  CCCCCCCC  000000  LLLLLLLLLL  BBBB BBBB  RR      RR
TT          EEEEEEEE  CCCCCCCC  000000  LLLLLLLLLL  BBBB BBBB  RR      RR

LL          IIIIIII  SSSSSSSS
LL          IIIIIII  SSSSSSSS
LL          II      SS
LL          II      SS
LL          II      SS
LL          II      SS
LL          II      SSSSSS
LL          II      SSSSSS
LL          II      SS
LL          II      SS
LL          II      SS
LL          II      SS
LLLLLLLLLLL  IIIIIII  SSSSSSSS
LLLLLLLLLLL  IIIIIII  SSSSSSSS
```

(1) 27

TECO's HELP command, etc.

```
0000 1 .TITLE TECOLBR TECO's HELP command, etc.
0000 2 .IDENT /V39.00/
0000 3
0000 4 :*****
0000 5 :
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0000 23 :
0000 24 :
0000 25 :*****
0000 26
0000 27 .SBTTL TECO's HELP command, etc.
0000 28
0000 29 : Last edit on 27-Jul-1983 by Mark Bramhall
0000 30
0000 31 $HLPDEF ; Librarian's HELP definitions
0000 32 $LBRDEF ; Librarian definitions
0000 33
0000000A 0000 34 MAX_KEYS = 10 ; Maximum number of keys allowed
0000 35
000000FF 0000 36 LIB_NAME_MAX = 255 ; Maximum size of a library name
0000 37
000000FF 0000 38 RNS_NAME_MAX = 255 ; Maximum size of a resultant name
0000 39
0000 40 .DEFAULT DISPLACEMENT WORD ; 16 bits should always reach
0000 41
0000 42 .SHOW MEB
0000 43
00000000 0000 44 .PSECT TECOEXELBR, PAGE,NOPIC,USR,OVR,REL,GBL, SHR, EXE,RD,NOWRT
0000 45
50 D5 0000 46 TSTL R0 ; Error message printing call (-1)?
00'AB 19 0002 47 BLSS 40$ ; Yes
38 12 0004 48 TSTW B^INDIR(R11) ; Active indirect command file?
56 0000'CB 3C 0007 49 BNEQ 20$ ; Yep, do nothing
1B 50 91 0009 50 MOVZWL W^QPNT(R11), R6 ; Get the size of the command line
0A 50 91 000E 51 BEQL 30$ ; Can't be a HELP command
27 12 0010 52 CMPB R0, #27 ; An ESCape?
50 0D 9A 0013 53 BEQL 10$ ; Yep, go check for 2 ESCapes
00'AB B1 0015 54 CMPB R0, #10 ; A LF?
50 0018 55 BNEQ 20$ ; Nope
001A 56 MOVZBL #13, R0 ; Yep, check for CR/LF combination
001D 57 10$: CMPW B^TEMP(R11), R0 ; The second ESCape or CR/LF?
```

57	00'AB	1E	12	0021	58	BNEQ	20\$	:	No
57	00'AB	3C	0023	59	MOVZWL	B^QRSTOR(R11), R7	:	Get base of Q-register storage	
57	56	A0	0027	60	ADDW	B^QZ(R11), R7	:	and add in the inuse amount	
51	20202020	C2	002B	61	SUBL	R6, R7	:	then back up by command's length	
504C4548	8F	D0	002E	62	MOVL	(R7)+, R1	:	Get first four command characters	
		CA	0031	63	BICL	#32a8!32a8!32a8!32, R1	:	and (dirty) convert to upper case	
		D1	0038	64	CMPL	R1, #^A/HELP/	:	Is this a HELP command?	
		13	003F	65	BEQL	50\$	:	Yes	
		7C	0041	66	CLRQ	R0	:	Say nothing happened	
		05	0043	67	RSB		:	and exit	
			0044	68			:		
	2F	50	91	0044	69	CMPB	R0, #^A/'	:	A slash?
		F8	12	0047	70	BNEQ	20\$	:	Nope
		00'AB	B5	0049	71	TSTW	B^ERRPOS(R11)	:	Recovering from an error?
		F3	15	004C	72	BLEQ	20\$	:	Nope again
005C'CF	0242'CF	9E	004E	73	MOVAB	230\$, PRINT_ROUT	:	Set a special print routine	
	0253'CF	7F	0055	74	PUSHAQ	250\$	:	Set a null line	
0050 8F	0000'CF	FB	0059	75	CALLS	#1, TEC\$OUT_ASCID	:	and go output it	
	0000'CF	2C	005E	76	MOVCS	#0, (SP), #0, #MAX_KEYS*8, KEY_DESC ;	:	Clear out key descs	
	0050'CF		0065				:		
	025B'CF	7D	0068	77	MOVQ	260\$, LIB_DESC	:	Set library name to TECO	
	0267'CF	7D	006F	78	MOVQ	270\$, KEY_DESC	:	Set key #1 to ERRORS	
	0008'CF	D0	0076	79	MOVL	#3, KEY_DESC+8	:	Key #2 will be length 3	
	52 026F'CF	9E	007B	80	MOVAB	ERROR_CODE, R2	:	Get pointer to error code spot	
	000C'CF	9E	0080	81	MOVAB	(R2), KEY_DESC+8+4	:	and set it into key #2	
50	00000000'EF	3C	0085	82	MOVZWL	L^ERRCOD, R0	:	Get the RAD50 code into low order	
		D4	008C	83	CLRL	R1	:	and clear a high order	
50 51	00000640 8F	7B	008E	84	EDIV	#40*40, R0, R1, R0	:	Divide for the first character	
82 51	40 8F	81	0097	85	ADDB3	#^A/A/-1, R1, (R2)+	:	and set it	
		D4	009C	86	CLRL	R1	:	Clear a high order	
50 51	50 28	7B	009E	87	EDIV	#40, R0, R1, R0	:	and divide for 2nd and 3rd	
82 51	40 8F	81	00A3	88	ADDB3	#^A/A/-1, R1, (R2)+	:	Set the second character	
82 50	40 8F	81	00A8	89	ADDB3	#^A/A/-1, R0, (R2)+	:	and the third	
	00C5	31	00AD	90	BRW	170\$	:	Go print the error message help	
			00B0	91			:		
005C'CF	56 05	C2	00B0	92	SUBL	#4+1, R6	:	Remove HELP (4) and ESCape or CR (1)	
	0000'CF	9E	00B3	93	MOVAB	TEC\$OUT_ASCID, PRINT_ROUT	:	Set the standard print routine	
	0D 50	91	00BA	94	CMPB	R0, #13	:	Was this the CR/LF entry?	
	09	13	00BD	95	BEQL	60\$	:	Yes	
	0253'CF	7F	00BF	96	PUSHAQ	250\$	:	No, ESCape, set a null line	
0050 8F	0000'CF	FB	00C3	97	CALLS	#1, TEC\$OUT_ASCID	:	and go output it	
	0000'CF	2C	00C8	98	MOVCS	#0, (SP), #0, #MAX_KEYS*8, KEY_DESC ;	:	Clear out key descs	
	54 FFF8'CF	7E	00D2	99			:		
	54 08	C0	00D7	100	MOVAQ	KEY_DESC-8, R4	:	Start a (biased) key desc pointer	
	04 A4	9E	00DA	101	ADDL	#8, R4	:	Bump to the next key descriptor	
	56	D7	00DE	102	MOVAB	(R7), 4(R4)	:	Set pointer to key in descriptor	
	33	19	00E0	103	DECL	R6	:	More command line to look at?	
	20 87	91	00E2	104	BLSS	130\$	:	Nope, done	
	21 1B	00E5	105	CMPB	(R7)+, #32	:	Is this a <SP> or lower?		
	64	D6	00E7	106	BLEQU	110\$	:	Yes, end of key (or ignoring junk)	
61 8F	77	91	00E9	107	INCL	(R4)	:	Count a key character in desc	
	09	1F	00ED	108	CMPB	-(R7), #^A/A/+32	:	A possible lower case character?	
7A 8F	67	91	00EF	109	BLSSU	100\$	:	No	
	03	1A	00F3	110	CMPB	(R7), #^A/Z/+32	:	Might be?	
	67 20	8A	00F5	111	BGTRU	100\$	:	But it isn't...	
	2F 87	91	00F8	112	BICB	#32, (R7)	:	Convert lower case into upper case	
					CMPB	(R7)+, #^A/'	:	A slash ('/') for another key?	

01	E1	12	00FB	113	BNEQ	90\$	: Nope, loop for more...	
	64	D1	00FD	114	CMPL	(R4), #1	: Yep, only thing in the key?	
	DC	13	0100	115	BEQL	90\$	: Just continue if only slash so far	
	64	D7	0102	116	DECL	(R4)	: Else remove the slash from old key	
	56	D6	0104	117	INCL	R6	: Put the slash back into the count	
	57	D7	0106	118	DECL	R7	: and back up pointer over it	
	64	D5	0108	119	TSTL	(R4)	: Are we within a key?	
	CE	13	010A	120	BEQL	80\$	: No, so don't start a new key	
00000048'8F	54	D1	010C	121	CMPL	R4, #KEY_DESC+<<MAX_KEYS-1>*8>	: Too many keys?	
	C2	1F	0113	122	BLSSU	70\$	: No, loop for the next key...	
0004'DF 0000'CF	3D	3A	0115	123	LOCC	#^A/=/, KEY_DESC, @KEY_DESC+4	: Find any equals separator	
	4F	13	011D	124	BEQL	160\$	: None	
	50	7D	011F	125	MOVQ	R0, R6	: Save length and pointer to remainder	
50 0000'CF	50	C3	0122	126	SUBL3	R0, KEY_DESC, R0	: Find size before the equals	
0275'CF 0004'DF	50	29	0128	127	CMPC	R0, @KEY_DESC+4, 280\$	: Is it really /LIBRARY?	
	3C	12	0130	128	BNEQ	160\$	: Nope	
0000'CF 0008'CF 0048	8F	28	0132	129	MOVQ	#<MAX_KEYS-1>*8, KEY_DESC+8, KEY_DESC	: Shuffle up key descs	
	63	7C	013C	130	CLRQ	(R3)	: and clear the last one	
	57	D6	013E	131	INCL	R7	: Bump pointer over the equals	
	56	D7	0140	132	DECL	R6	: and remove the equals from length	
	05	12	0142	133	BNEQ	140\$	: A real library name remains	
56 027D'CF	7D	0144	134	MOVQ	290\$, R6	: Else use the default default name		
0050'CF	56	7D	0149	135	MOVQ	R6, LIB_DESC	: Set the new library name into desc	
	3D	67	91	014E	CMPC	(R7), #^A/=/	: Making this library name permanent?	
	22	12	0151	137	BNEQ	170\$	: No	
	57	D6	0153	138	INCL	R7	: Yes, bump pointer over 2nd equals	
	56	D7	0155	139	DECL	R6	: and remove it from length	
	05	12	0157	140	BNEQ	150\$	: A real library name is still there	
00FF 8F 56 027D'CF	7D	0159	141	MOVQ	290\$, R6	: Else set the default default name		
	67	56	2C	015E	MOVQ	R6, (R7), #0, #LIB_NAME_MAX, @DEF_LIB_DESC+4	: Load new name	
	0064'DF		0165					
0060'CF	51	57	C3	0168	143	SUBL3	R7, R1, DEF_LIB_DESC	: Set default name descriptor length
0050'CF	0060'CF	7D	016E	144	MOVQ	DEF_LIB_DESC, LIB_DESC	: Default the library name	
04	0050'CF	D1	0175	145	CMPL	LIB_DESC, #4	: Is the library name exactly 4 chars?	
	12	12	017A	146	BNEQ	180\$	: Nope	
504C4548 8F	0054'DF	D1	017C	147	CMPL	@LIB_DESC+4, #^A/HELP/	: Really want system HELP library?	
	07	12	0185	148	BNEQ	180\$	: No	
0050'CF	0289'CF	7D	0187	149	MOVQ	300\$, LIB_DESC	: Yes, be good and update the name	
	0168'CF	D4	018E	150	CLRL	RNS_DESC	: Say no resultant name yet...	
	029C'CF	DF	0192	151	PUSHAL	320\$	: Arg #3 is the library type (HELP)	
	0298'CF	DF	0196	152	PUSHAL	310\$	: Arg #2 is the access mode (read)	
	0058'CF	DF	019A	153	PUSHAL	LIB_INDEX	: Arg #1 is the librarian's index	
00000000'GF	03	FB	019E	154	CALLS	#3, -G^LBR\$INI_CONTROL	: Init the library access	
	55 50	E9	01A5	155	BLBC	R0, 190\$	: Abort if any error	
0168'CF	00FF 8F	3C	01A8	156	MOVZWL	#RNS_NAME_MAX, RNS_DESC	: Reset the resultant name descriptor	
	0168'CF	3F	01AF	157	PUSHAW	RNS_DESC	: Arg #7 is the resultant name length	
	0168'CF	7F	01B3	158	PUSHAQ	RNS_DESC	: Arg #6 is the resultant file name	
	00	DD	01B7	159	PUSHL	#0	: Arg #5 is the related name	
	02A0'CF	7F	01B9	160	PUSHAQ	330\$	: Arg #4 is the default file name	
	00	DD	01BD	161	PUSHL	#0	: Arg #3 is the create option	
	0050'CF	7F	01BF	162	PUSHAQ	LIB_DESC	: Arg #2 is the library file name	
	0058'CF	DF	01C3	163	PUSHAL	LIB_INDEX	: Arg #1 is the librarian's index	
00000000'GF	07	FB	01C7	164	CALLS	#7, -G^LBR\$OPEN	: Open the library	
	2C 50	E9	01CE	165	BLBC	R0, 190\$	: Abort if any error	
50 0050'CF	7E	01D1	166	MOVQ	KEY_DESC+<MAX_KEYS*8>, R0	: Point to the key descriptor array		
		01D6	167	MAX KEYS				
		01D6	168	PUSHAQ	-(R0)	: Arg #n is one of the key's		

```

                                01D6 169 .ENDR : MAX KEYS
70 7F 01D6 : PUSHAQ -(R0) : Arg #n is one of the key's
70 7F 01D8 : PUSHAQ -(R0) : Arg #n is one of the key's
70 7F 01DA : PUSHAQ -(R0) : Arg #n is one of the key's
70 7F 01DC : PUSHAQ -(R0) : Arg #n is one of the key's
70 7F 01DE : PUSHAQ -(R0) : Arg #n is one of the key's
70 7F 01E0 : PUSHAQ -(R0) : Arg #n is one of the key's
70 7F 01E2 : PUSHAQ -(R0) : Arg #n is one of the key's
70 7F 01E4 : PUSHAQ -(R0) : Arg #n is one of the key's
70 7F 01E6 : PUSHAQ -(R0) : Arg #n is one of the key's
70 7F 01E8 : PUSHAQ -(R0) : Arg #n is one of the key's
00 DD 01EA 170 : PUSHL #0 : Arg #4 is the user data
005C'CF DD 01EC 171 : PUSHL PRINT_ROUT : Arg #3 is the print routine
00 DD 01F0 172 : PUSHL #0 : Arg #2 is the line width
0058'CF DF 01F2 173 : PUSHAL LIB_INDEX : Arg #1 is the librarian's index
00000000'GF OE FB 01F6 174 : CALLS #4+MAX KEYS, G^LBR$GET_HELP : Go print the HELP information
51 00000000'GF DO 01FD 175 190$: : MOVQ G^LBR$GL_RMSSTV, R1 : Save any RMS STV value
56 50 7D 0204 176 : MOVQ R0, R6 : Save the final exit status
0058'CF DF 0207 177 : PUSHAL LIB_INDEX : Arg #1 is the librarian's index
00000000'GF 01 FB 020B 178 : CALLS #1, G^LBR$CLOSE : Close the library
0A 56 E9 0212 179 : BLBC R6, 200$ : Use previous error if any
56 50 DO 0215 180 : MOVQ R0, R6 : Else use the status we just got
57 00000000'GF DO 0218 181 : MOVQ G^LBR$GL_RMSSTV, R7 : with any RMS STV value
1C 56 E8 021F 182 200$: : BLBS R6, 220$ : Was everything successful?
50 0168'CF 7D 0222 183 : MOVQ RMS_DESC, R0 : Get the resultant name descriptor
50 B5 0227 184 : TSTW R0 : Anything there?
05 12 0229 185 : BNEQ 210$ : Yes, so use it
50 0050'CF 7D 022B 186 : MOVQ LIB_DESC, R0 : No, use the library name descriptor
FFFE'8F 00 61 50 2C 0230 187 210$: : MOVCS R0, (R1), #0, #FILSIZ-1, L^FILSRT : Load the filename buffer
00000000'EF 0237 : :
63 94 023C 188 : CLRB (R3) : making sure that it's ASCII
50 56 7D 023E 189 220$: : MOVQ R6, R0 : Set the final exit status
05 0241 190 : RSB : and exit
0242 191 :
0000 0242 192 230$: : .WORD ^M<> : Error message print routine
50 01 DO 0244 193 : MOVQ #1, R0 : Preset success
06 08 BC D3 0247 194 : BITL @HLP$ _FLAGS+4(AP), - : Check for
024B 195 : #HLP$ _KEYNAMLIN!- : a keyword name line
024B 196 : HLP$ _OTHERINFO : or additional information
05 12 024B 197 : BNEQ 240$ : Suppress either of those
0000'CF 6C FA 024D 198 : CALLG (AP), TEC$OUT_ASCID : Else go print the information
04 0252 199 240$: : RET : Return
0253 200 :
0000025B'010E0000' 0253 201 250$: : .ASCID // : A null descriptor
4F 43 45 54 00000263'010E0000' 025B 202 260$: : .ASCID /TECO/ : Library name for error message help
53 52 4F 52 52 45 0000026F'010E0000' 0267 203 270$: : .ASCID /ERRORS/ : Key #1 for error message help
59 52 41 52 42 49 4C 2F 0275 206 280$: : .ASCII '/LIBRARY' : /LIBRARY qualifier
4F 43 45 54 00000285'010E0000' 027D 208 290$: : .ASCID /TECO/ : Default default library name
49 4C 50 4C 45 48 00000291'010E0000' 0289 210 300$: : .ASCID /HELPLIB/ : System HELP library's real name
42 0297 211 :
00000001 0298 212 :
0298 213 310$: : .LONG LBR$C_READ : Access is for read
```

```
45 48 24 53 59 53 000002A8'010E0000' 02A0 214
42 4C 48 2E 3A 50 4C 02AE 215 320$: .LONG LBR$C_TYP_HLP ; Library type is a HELP library
00000003 029C 216
00000000 02B5 217 330$: .ASCID /SYS$HELP:.HLB/ ; Library's default file name string
00000000 0000 218
00000050 0000 219 .PSECT TECOCTL, QUAD,NOPICT,USR,CON,REL,LCL,NOSHR,NOEXE,RD, WRT
00000058 0050 220
0000005C 0058 221 KEY_DESC: ; Key descriptors
00000060 005C 222 .BLKQ MAX_KEYS
00000068'00000004' 0060 223
00000167 0068 224 LIB_DESC: ; Library name descriptor
00000170'000000FF' 0168 225 .BLKQ
0000026F 026F 226 LIB_INDEX: ; Librarian's index
00000272 026F 227 .BLKL
00000272 0272 228
00000272 0272 229
00000272 0272 230 PRINT_ROUT: ; Librarian output print routine addr
00000272 0272 231 .BLKL
00000272 0272 232
00000272 0272 233 .ALIGN QUAD
00000272 0272 234
00000272 0272 235 DEF_LIB_DESC: ; Default library name descriptor
00000272 0272 236 .LONG 20$-10$, 10$
00000272 0272 237
00000272 0272 238 10$: .ASCII /TECO/
00000272 0272 239 20$: .BLKB LIB_NAME_MAX-<20$-10$>
00000272 0272 240
00000272 0272 241 .ALIGN QUAD
00000272 0272 242
00000272 0272 243 RNS_DESC: ; Resultant name descriptor
00000272 0272 244 .LONG 20$-10$, 10$
00000272 0272 245
00000272 0272 246 10$: .BLKB RNS_NAME_MAX
00000272 0272 247 20$:
00000272 0272 248
00000272 0272 249 ERROR_CODE: ; Holder for TECO's error code
00000272 0272 250 .BLKB 3
00000272 0272 251
00000272 0272 252 .END
```

TECOLBR
Symbol table

TECO's HELP command, etc.

I 10

16-SEP-1984 02:13:33 VAX/VMS Macro V04-00
10-SEP-1984 13:13:14 [TECO.SRC]TECOLBR.MAR;2Page 6
(1)

DEF_LIB_DESC	00000060	R	03
ERRCOD	*****	X	02
ERROR_CODE	0000026F	R	03
ERRPOS	*****	X	02
FILSIZ	*****	X	02
FILSRT	*****	X	02
HLP\$L_FLAGS	= 00000004		
HLP\$M_KEYNAMLIN	= 00000002		
HLP\$M_OTHERINFO	= 00000004		
INDIR	*****	X	02
KEY_DESC	00000000	R	03
LBR\$CLOSE	*****	X	02
LBR\$C_READ	= 00000001		
LBR\$C_TYP_HLP	= 00000003		
LBR\$GET_HELP	*****	X	02
LBR\$GL_RMSSTV	*****	X	02
LBR\$INT_CONTROL	*****	X	02
LBR\$OPEN	*****	X	02
LIB_DESC	00000050	R	03
LIB_INDEX	00000058	R	03
LIB_NAME_MAX	= 000000FF		
MAX_KEYS	= 0000000A		
PRINT_ROUT	0000005C	R	03
QPNTN	*****	X	02
QRSTOR	*****	X	02
QZ	*****	X	02
RNS_DESC	00000168	R	03
RNS_NAME_MAX	= 000000FF		
TEC\$OUT_ASCID	*****	X	02
TEMP	*****	X	02

+-----+
! Psect synopsis !
+-----+

PSECT name

Allocation

PSECT No.

Attributes

. ABS .	00000000 (0.)	00 (0.)	NOPIC	USR	CON	ABS	LCL	NOSHR	NOEXE	NORD	NOWRT	NOVEC	BYTE
\$ABSS	00000000 (0.)	01 (1.)	NOPIC	USR	CON	ABS	LCL	NOSHR	EXE	RD	WRT	NOVEC	BYTE
TECOEXELBR	000002B5 (693.)	02 (2.)	NOPIC	USR	OVR	REL	GBL	SHR	EXE	RD	NOWRT	NOVEC	PAGE
TECOCTL	00000272 (626.)	03 (3.)	NOPIC	USR	CON	REL	LCL	NOSHR	NOEXE	RD	WRT	NOVEC	QUAD

+-----+
! Performance indicators !
+-----+

Phase

Page faults

CPU Time

Elapsed Time

Initialization	37	00:00:00.08	00:00:00.39
Command processing	121	00:00:00.46	00:00:02.08
Pass 1	154	00:00:02.52	00:00:06.07
Symbol table sort	0	00:00:00.24	00:00:00.62
Pass 2	67	00:00:00.78	00:00:01.59
Symbol table output	5	00:00:00.04	00:00:00.04
Psect synopsis output	2	00:00:00.02	00:00:00.02
Cross-reference output	0	00:00:00.00	00:00:00.00
Assembler run totals	388	00:00:04.15	00:00:10.82

The working set limit was 1200 pages.
14966 bytes (30 pages) of virtual memory were used to buffer the intermediate code.
There were 20 pages of symbol table space allocated to hold 180 non-local and 37 local symbols.
252 source lines were read in Pass 1, producing 17 object records in Pass 2.
9 pages of virtual memory were used to define 8 macros.

+-----+
! Macro library statistics !
+-----+

Macro library name

Macros defined

_S255SDUA28:[SYSLIB]STARLET.MLB;2

5

218 GETS were required to define 5 macros.

There were no errors, warnings or information messages.

MACRO/LIS=LISS:TECOLBR/OBJ=OBJ\$:TECOLBR MSRC\$:TECOLBR/UPDATE=(ENH\$:TECOLBR)

0399 AH-BT13A-SE
VAX/VMS V4.0

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