


```

EEEEEEEEEE NN      NN DDDDDDDD WW      WW RRRRRRRR DDDDDDDD
EEEEEEEEEE NN      NN DDDDDDDD WW      WW RRRRRRRR DDDDDDDD
EE          NN      NN DD          DD WW      WW RR          RR DD          DD
EE          NN      NN DD          DD WW      WW RR          RR DD          DD
EE          NNNN     NN DD          DD WW      WW RR          RR DD          DD
EE          NNNN     NN DD          DD WW      WW RR          RR DD          DD
EEEEEEEEEE NN  NN   NN DD          DD WW      WW RRRRRRRR DD          DD
EEEEEEEEEE NN  NN   NN DD          DD WW      WW RRRRRRRR DD          DD
EE          NN      NNNN DD          DD WW  WW  WW RR  RR  DD          DD
EE          NN      NNNN DD          DD WW  WW  WW RR  RR  DD          DD
EE          NN      NN   DD          DD WWW  WWW RR  RR  DD          DD
EE          NN      NN   DD          DD WWW  WWW RR  RR  DD          DD
EEEEEEEEEE NN      NN DDDDDDDD WW      WW RR          RR DDDDDDDD
EEEEEEEEEE NN      NN DDDDDDDD WW      WW RR          RR DDDDDDDD

```

```

LL          IIIIII SSSSSSSS
LL          IIIIII 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
LLLLLLLLLL IIIIII SSSSSSSS
LLLLLLLLLL IIIIII SSSSSSSS

```

```
1 0001 0 %TITLE 'Perform end-word processing'
2 0002 0 MODULE endwrđ ( IDENT = 'V04-000'
3 P 0003 0 %BLISS32[, ADDRESSING_MODE (EXTERNAL = LONG_RELATIVE,
4 0004 0 NONEXTERNAL = LONG_RELATIVE)]
5 0005 0 ) =
6 0006 1 BEGIN
7 0007 1
8 0008 1 *****
9 0009 1 *
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27 0027 1 *
28 0028 1 *
29 0029 1 *****
30 0030 1
31 0031 1 ++
32 0032 1 FACILITY: DSR (Digital Standard RUNOFF) / DSRPLUS
33 0033 1
34 0034 1 ABSTRACT: Handles end of word processing.
35 0035 1
36 0036 1 ENVIRONMENT: Transportable
37 0037 1
38 0038 1 AUTHOR: R.W.Friday CREATION DATE: May, 1978
39 0039 1
40 0040 1
```

ENDWRD
V04-000

Perform end-word processing
Revision History

E 1
16-Sep-1984 00:24:59
14-Sep-1984 13:06:09

VAX-11 Bliss-32 V4.0-742
[RUNOFF.SRC]ENDWRD.BLI;1

Page 2
(2)

:	42	0041	1	%SBTTL 'Revision History'
:	43	0042	1	
:	44	0043	1	MODIFIED BY:
:	45	0044	1	
:	46	0045	1	009 REM00009 Ray Marshall 7-November-1983
:	47	0046	1	Added logic to reset the multinational character set case
:	48	0047	1	rules, too.
:	49	0048	1	
:	50	0049	1	008 KFA00008 Ken Alden 13-Sep-1983
:	51	0050	1	Added functionality for pass-through escape sequences.
:	52	0051	1	
:	53	0052	1	007 RER00007 Ron Randall 07-Mar-1983
:	54	0053	1	Global edit of all modules. Updated module names, idents,
:	55	0054	1	copyright dates. Changed require files to BLISS library.
:	56	0055	1	
:	57	0056	1	--
:	58	0057	1	

ENDWRD
V04-000

Perform end-word processing
Module Level Declarations

F 1
16-Sep-1984 00:24:59
14-Sep-1984 13:06:09

VAX-11 Bliss-32 V4.0-742
[RUNOFF.SRC]ENDWRD.BLI;1

Page 3
(3)

```

: 60      0058 1 %SBTTL 'Module Level Declarations'
: 61      0059 1
: 62      0060 1
: 63      0061 1 : TABLE OF CONTENTS:
: 64      0062 1
: 65      0063 1
: 66      0064 1 : INCLUDE FILES:
: 67      0065 1
: 68      0066 1 LIBRARY 'NXPORT:XPORT';      ! XPORT Library
: 69      0067 1 REQUIRE 'REQ:RNODEF';      ! RUNOFF variant definitions
: 70      0198 1
: 71      U 0199 1 %IF DSRPLUS %THEN
: 72      U 0200 1 LIBRARY 'REQ:DPLLIB';      ! DSRPLUS BLISS Library
: 73      0201 1 %ELSE
: 74      0202 1 LIBRARY 'REQ:DSRLIB';      ! DSR BLISS Library
: 75      0203 1 %FI
: 76      0204 1
: 77      0205 1
: 78      0206 1 : EXTERNAL REFERENCES:
: 79      0207 1
: 80      0208 1 EXTERNAL LITERAL
: 81      0209 1     RINTES : UNSIGNED (8);
: 82      0210 1
: 83      0211 1 EXTERNAL
: 84      0212 1     GCA : GCA DEFINITION,
: 85      0213 1     IRAC : IRAC DEFINITION,
: 86      0214 1     MRA : REF FIXED STRING,
: 87      0215 1     SCA : SCA DEFINITION,
: 88      0216 1     TSF : TSF DEFINITION;
: 89      0217 1
: 90      0218 1 EXTERNAL ROUTINE
: 91      0219 1     ENDCHR,
: 92      0220 1     OUTLIN,
: 93      0221 1     OUTXPH;
: 94      0222 1
```

ERR
V04

```
: 96 0223 1 GLOBAL ROUTINE ENDWRD (SPACE, JUSTIFY, HYPHENATE) : NOVALUE =
: 97 0224 1
: 98 0225 1 !++
: 99 0226 1 FUNCTIONAL DESCRIPTION:
100 0227 1
101 0228 1     ENDWRD is called when the end of a word is detected.
102 0229 1     If the word would fit on the current line it puts it
103 0230 1     there, otherwise it outputs the current line before
104 0231 1     putting the current word on a new line.
105 0232 1
106 0233 1 FORMAL PARAMETERS:
107 0234 1
108 0235 1     SPACE indicates whether a space should be output following
109 0236 1     the word.
110 0237 1     JUSTIFY indicates whether a justification mark should be output
111 0238 1     following the word.
112 0239 1
113 0240 1 IMPLICIT INPUTS:      None
114 0241 1
115 0242 1 IMPLICIT OUTPUTS:     None
116 0243 1
117 0244 1 ROUTINE VALUE:
118 0245 1 COMPLETION CODES:     None
119 0246 1
120 0247 1 SIDE EFFECTS:         None
121 0248 1 --
122 0249 1
123 0250 2 BEGIN
124 0251 2 LOCAL
125 0252 2     ADJUST;
126 0253 2
127 0254 2 !Check for an active <INDEX flag> immediately, otherwise the
128 0255 2 !index entry could get skipped.
129 0256 2
130 0257 2 IF .SCA_X_FLAG
131 0258 2 THEN
132 0259 2     OUTXPH ();                !The <INDEX flag> is active, output the indexed word.
133 0260 2
134 0261 2 IF (.SCA_WRD_CPEND EQL RINTES)
135 0262 2     AND (.SCA_WRD_F_XTN EQL 0)    !Maybe just an indexing pointer
136 0263 2     AND (.SCA_WRD_FOOTW EQL 0)    !Maybe just a footnote
137 0264 2     AND
138 0265 2     (( NOT .SCA_FILL) AND (.SCA_WRD_LST_SP EQL 0))
139 U 0266 3 %IF DSRPLUS %THEN
140 U 0267 3     AND (NOT .sca_wrd_pass)
141 0268 3 %FI
142 0269 2 THEN
143 0270 2     RETURN                    !Nothing to put onto the line.
144 0271 2 ELSE
145 0272 2     ENDCHR (RINTES);          !Force out last character of word.
146 0273 2
147 U 0274 2 %IF DSRPLUS %THEN
148 U 0275 2     sca_wrd_pass = false;
149 0276 2 %FI
150 0277 2     sca_frc_case = false;      !Turn off case forcing.
151 0278 2
152 0279 2 !Compute how long line would be if hyphenation is to be
```

```
153 0280 2 !considered. In the call on ENDWRD for the previous word,
154 0281 2 !hyphenation information for it was left behind (if there was
155 0282 2 !any requested. What happens now is to see what would happen
156 0283 2 !if we tried to force this word on at the end of this line.
157 0284 2 ADJUST = (IF .SCA_WRD_LST_HYP
158 0285 2 THEN
159 0286 2 -1
160 0287 2 ELSE
161 0288 2 0)
162 0289 2 (IF .HYPHENATE
163 0290 2 THEN
164 0291 2 1
165 0292 2 ELSE
166 0293 2 0);
167 0294 2
168 0295 2 !The OR test detects the case when MRA is about to
169 0296 2 !overflow, but the word would still fit. If this test is
170 0297 2 !not done, ENDCHR could go into a loop.
171 0298 2
172 0299 2 IF ((.TSF_EXT_HL + .SCA_WRD_LST_SP + .SCA_WRD_EXT_L + .ADJUST) GTR .SCA_RM)
173 0300 2 OR ((.FS_MAXSIZE (MRA) -.FS_LENGTH (MRA))-.LSS-10)
174 0301 2 THEN
175 0302 2 BEGIN !There is no room on this line
176 0303 2 OUTLIN (.SCA_JUSTIFY);
177 0304 2 END
178 0305 2 ELSE
179 0306 2 BEGIN
180 0307 2 !First, put trailing spaces and justification marks from the
181 0308 2 !previous word in the TSF into the TSF. The information was
182 0309 2 !already there (i.e., the characters, or intermediate code), but
183 0310 2 !it was not yet counted as part of TSF.
184 0311 2 !Also, since there is room for this word, turn off any
185 0312 2 !hyphenation that may be queued on the line already.
186 0313 2 IF .SCA_WRD_LST_HYP
187 0314 2 THEN
188 0315 2 BEGIN
189 0316 2 TSF_EXT_HL = .TSF_EXT_HL - 1; !Cancel the '-'.
190 0317 2 CH$QCHAR (XC'N', .SCA_WRD_HYP_PTR);
191 0318 2 END;
192 0319 2
193 0320 2 TSF_INT_HL = .TSF_INT_HL + .SCA_WRD_LST_SP !count of trailing spaces
194 0321 2 + .SCA_WRD_LST_UND*3 !Count underlined spaces code.
195 0322 2 + 3*.SCA_WRD_LST_JUS; !size of justification mark, if any.
196 0323 2 TSF_EXT_HL = .TSF_EXT_HL + .SCA_WRD_LST_SP; !count trailing spaces here also
197 0324 2 TSF_JUS_CNT = .TSF_JUS_CNT + .SCA_WRD_LST_JUS; !Count number of words.
198 0325 2 END;
199 0326 2
200 0327 2 ! There are some rather obscure implications as a consequence of what
201 0328 2 ! is happening here. In part, this is because of possible error handling.
202 0329 2 ! Notice that at this point ENDWRD just assumes that the current word
203 0330 2 ! will fit on the line, and goes ahead and updates the various
204 0331 2 ! pointers; yet, if you look around, you will find no checks that
205 0332 2 ! verify that the word will, indeed, fit onto the line between
206 0333 2 ! the margins. That checking is done by OUTLIN. The idea is that
207 0334 2 ! if a word is too big, then the line can be forced out anyway,
208 0335 2 ! even if the right margin is violated. Another point has to do
209 0336 2 ! with the logic in ENDCHR, when the MRA is about to overflow.
```

```
: 210 0337 2      ! In such a case, it is important that the characters still go
: 211 0338 2      ! through, because of the recursive call ENDCHR makes on itself.
: 212 0339 2
: 213 0340 2      !Next, make this current word part of TSF
: 214 0341 2      TSF_NBITS = (.TSF_NBITS OR .SCA_WRD_NBITS); ! Special function bits (e.g, bolding)
: 215 0342 2      TSF_UND = .TSF_UND OR (.SCA_WRD_LST_UND GTR 0);
: 216 0343 2      TSF_H_BARS = (.TSF_H_BARS OR .SCA_WRD_BARS); !Change bar status.
: 217 0344 2      TSF_BAR_CHAR = .SCA_WRD_BAR_CHR; !Use latest change bar character.
: 218 0345 2      TSF_SEQN_FLAG = .SCA_WRD_SEQN_F; !Input sequence number information.
: 219 0346 2      TSF_ISEQN = .GCA_CMD_ISEQN;
: 220 0347 2      TSF_ISEQN = .SCA_WRD_ISEQN;
: 221 0348 2      TSF_IPAGEN = .SCA_WRD_IPAGEN;
: 222 0349 2
: 223 0350 2      !If footnote are attached to this word, attach them
: 224 0351 2      !to this line.
: 225 0352 2      TSF_FOOTW = .TSF_FOOTW + .SCA_WRD_FOOTW; !Add footnote count total for this word to that for
: 226 0353 2      SCA_WRD_FOOTW = 0; !Now forget it so it won't get counted twice.
: 227 0354 2
: 228 0355 2      !Consider hyphenation.
: 229 0356 2      IF .HYPHENATE
: 230 0357 2      THEN
: 231 0358 2          BEGIN
: 232 0359 2              TSF_INT_HL = .TSF_INT_HL + 3; !NOTE: The '-' has not yet
: 233 0360 2              TSF_EXT_HL = .TSF_EXT_HL + 1; !been put into the MRA!!
: 234 0361 2          END;
: 235 0362 2
: 236 0363 2      TSF_DRAFT_FLAG = .SCA_WRD_DRAFT_F; !Indicate if a DRAFT document.
: 237 0364 2      TSF_INT_HL = (.TSF_INT_HL + .SCA_WRD_INT_L);
: 238 0365 2      TSF_EXT_HL = (.TSF_EXT_HL + .SCA_WRD_EXT_L);
: 239 0366 2
: 240 0367 2      IF (.TSF_FIRST_XTN EQL 0) !If an index entry is associated with this word
: 241 0368 2      THEN !attach it to this line.
: 242 0369 2          TSF_FIRST_XTN = .SCA_WRD_F_XTN;
: 243 0370 2
: 244 0371 2      IF (.SCA_WRD_L_XTN NEQ 0)
: 245 0372 2      THEN
: 246 0373 2          TSF_LAST_XTN = .SCA_WRD_L_XTN;
: 247 0374 2
: 248 0375 2      !Wipe out leftovers from previous word
: 249 0376 2      SCA_WRD_LST_UND = 0;
: 250 0377 2      SCA_WRD_LST_SP = 0;
: 251 0378 2      SCA_WRD_LST_JUS = 0;
: 252 0379 2      SCA_WRD_LST_HYP = FALSE;
: 253 0380 2      SCA_WRD_HYP_PTR = 0;
: 254 0381 2
: 255 0382 2      !Next, put the trailing spaces and justification marks
: 256 0383 2      !in, but don't actually make them part of the TSF.
: 257 0384 2      IF .SCA_WRD_INT_L NEQ 0
: 258 0385 2      THEN
: 259 0386 2          BEGIN !Processing associated with a non-null word.
: 260 0387 2
: 261 0388 2              IF .SCA_WRD_AC_UND OR .SPACE
: 262 0389 2              THEN
: 263 0390 2                  BEGIN
: 264 0391 2
: 265 0392 2                      IF .SCA_WRD_AC_UND
: 266 0393 2                      THEN
```

```
267 0394 5 BEGIN !It's an underlined space!
268 0395 SCA_WRD_LST_UND = 1;
269 0396 FS_WCHAR (MRA, RINTES); !Generate the intermediate code.
270 0397 FS_WCHAR (MRA, %C'U');
271 0398 FS_WCHAR (MRA, %C' ');
272 0399 SCA_WRD_AC_UND = FALSE;
273 0400 END;
274 0401
275 0402 FS_WCHAR (MRA, %C' '); !Add a single trailing space,
276 0403 SCA_WRD_LST_SP = 1; !and count it.
277 0404 END;
278 0405
279 0406 IF .SCA_WRD_LC_PNCT
280 0407 AND .SPACE
281 0408 THEN
282 0409 BEGIN !Add an extra space for punctuation.
283 0410 FS_WCHAR (MRA, %C' ');
284 0411 SCA_WRD_LST_SP = .SCA_WRD_LST_SP + 1;
285 0412 SCA_WRD_LC_PNCT = FALSE;
286 0413 END;
287 0414
288 0415 !Next, add a justification point, if appropriate.
289 0416 IF .JUSTIFY
290 0417 THEN
291 0418 BEGIN
292 0419 SCA_WRD_LST_JUS = 1; !Indicate one justification mark
293 0420 FS_WCHAR (MRA, RINTES);
294 0421 FS_WCHAR (MRA, %C'J');
295 0422 FS_WCHAR (MRA, %C' ');
296 0423 END;
297 0424
298 0425 !Put in code for hyphenation, if requested.
299 0426 IF .HYPHENATE
300 0427 THEN
301 0428 BEGIN
302 0429 SCA_WRD_LST_HYP = TRUE;
303 0430 FS_WCHAR (MRA, RINTES);
304 0431 SCA_WRD_HYP_PTR = .FS_NEXT (MRA); !Remember where '-' is.
305 0432 FS_WCHAR (MRA, %C'I'); !INSERT this character.
306 0433 FS_WCHAR (MRA, %C'-'); !Here's the '-'.
307 0434 END;
308 0435
309 0436 END; !End of processing of a non-null word
310 0437
311 0438 !Next, reset for the next word
312 0439 SCA_WRD_NBITS = FALSE; !Clear bolding, underlining, and overstriking
313 0440 SCA_WRD_INT_L = 0;
314 0441 SCA_WRD_EXT_L = 0;
315 0442 SCA_WRD_F_XTN = 0;
316 0443 SCA_WRD_L_XTN = 0;
317 0444 SCA_WRD_BARS = FALSE;
318 0445
319 0446 !Reset case rules.
320 0447 SCA_WORD_SET = FALSE; !Turn off <CAPITALIZE flag>
321 0448 SCA_FC_UT = .SCA_FCBE_UT;
322 0449 SCA_OC_UT = .SCA_OCBE_UT;
323 0450 SCA_FC_LT = .SCA_FCBE_LT;
```

```
.. 324 0451 2 SCA_OC_LT = .SCA_OCBE_LT;
.. 325 0452 2 SCA_WRD_FC_UT = .SCA_FCB_E-UT;
.. 326 0453 2 SCA_WRD_OC_UT = .SCA_OCBE-UT;
.. 327 0454 2 SCA_WRD_FC_LT = .SCA_FCB_E-LT;
.. 328 0455 2 SCA_WRD_OC_LT = .SCA_OCBE-LT;
.. 329 0456 2 SCA_MNFC_UT = .SCA_MNFCBE-UT;
.. 330 0457 2 SCA_MNOC_UT = .SCA_MNOCBE-UT;
.. 331 0458 2 SCA_MNFC_LT = .SCA_MNFCBE-LT;
.. 332 0459 2 SCA_MNOC_LT = .SCA_MNOCBE-LT;
.. 333 0460 2 SCA_MNWRD_FC_UT = .SCA_MNFCBE-UT;
.. 334 0461 2 SCA_MNWRD_OC_UT = .SCA_MNOCBE-UT;
.. 335 0462 2 SCA_MNWRD_FC_LT = .SCA_MNFCBE-LT;
.. 336 0463 2 SCA_MNWRD_OC_LT = .SCA_MNOCBE-LT;
.. 337 0464 2
.. 338 0465 !Remember where next word will start. (Needed by SCL.)
.. 339 0466 SCA_WRD_PNTR = .FS_NEXT (MRA);
.. 340 0467 SCA_FC = TRUE;
.. 341 0468 SCA_FC_CASE = TRUE;
.. 342 0469 1 END;

!Next character is first character in word
!Use first character case rules on next word.
!End of ENDWRD
```

```
.TITLE ENDWRD Perform end-word processing
.IDENT \V04-000\
```

```
.EXTRN RINTES, GCA, IRAC
.EXTRN MRA, SCA, TSF, ENDCHR
.EXTRN OUTLIN, OUTXPH
```

```
.PSECT $CODE$,NOWRT,2
```

```
.ENTRY ENDWRD, Save R2,R3,R4,R5,R6,R7
```

57	00000000G	EF	9E	00002		MOVAB	TSF, R7	0223
56	00G	8F	9A	00009		MOVZBL	#RINTES, R6	
55	00000000G	EF	9E	0000D		MOVAB	MRA, R5	
54	00000000G	EF	9E	00014		MOVAB	SCA+332, R4	
07	FF50	C4	E9	0001B		BLBC	SCA+156, 1\$	0257
00000000G		00	FB	00020		CALLS	#0, OUTXPH	0259
56	CC	A4	D1	00027	1\$:	CMPL	SCA+280, R6	0261
		14	12	0002B		BNEQ	2\$	
	DC	A4	D5	0002D		TSTL	SCA+296	0262
		0F	12	00030		BNEQ	2\$	
	D8	A4	D5	00032		TSTL	SCA+292	0263
		0A	12	00035		BNEQ	2\$	
05	FF1C	D4	E8	00037		BLBS	@SCA+104, 2\$	0265
		64	D5	0003C		TSTL	SCA+332	
		01	12	0003E		BNEQ	2\$	
		04	00040			RET		
00000000G	7E	56	9A	00041	2\$:	MOVZBL	R6, -(SP)	0272
	EF	01	FB	00044		CALLS	#1, ENDCHR	
		C4	D4	0004B		CLRL	SCA+160	0277
05	FF54	A4	E9	0004F		BLBC	SCA+320, 3\$	0284
51	F4	01	CE	00053		MNFG	#1, R1	0286
		02	11	00056		BRB	4\$	
		51	D4	00058	3\$:	CLRL	R1	0284
05	OC	AC	E9	0005A	4\$:	BLBC	HYPHENATE, 5\$	0289
50		01	D0	0005E		MOVL	#1, R0	
		02	11	00061		BRB	6\$	

50	51	50	D4	00063	5\$:	CLRL	R0		
	52	50	C0	00065	6\$:	ADDL2	R0, ADJUST		
	53	67	D0	00068		MOVL	TSF, R2		0299
	54	64	D0	0006B		MOVL	SCA+332, R3		
50	55	A2	C1	0006E		ADDL3	4(R2), R3, R0		
	56	A4	C0	00073		ADDL2	SCA+256, R0		
	57	51	C0	00077		ADDL2	ADJUST, R0		
	58	50	D1	0007A		CMPL	R0, @SCA+120		
	59	0E	14	0007F		BGTR	7\$		
	60	65	D0	00081		MOVL	MRA, R0		0300
51	61	0A	C1	00084		ADDL3	#10, 12(R0), R1		
	62	A0	D1	00089		CMPL	8(R0), R1		
	63	0D	18	0008D		BGEQ	8\$		
	64	D4	DD	0008F	7\$:	PUSHL	@SCA+100		0303
	65	01	FB	00093		CALLS	#1, OUTLIN		
	66	2A	11	0009A		BRB	10\$		0299
	67	A4	E9	0009C	8\$:	BLBC	SCA+320, 9\$		0313
	68	A2	D7	000A0		DECL	4(R2)		0316
	69	8F	90	000A3		MOVB	#78, @SCA+324		0317
50	70	53	C1	000A8	9\$:	ADDL3	R3, (R2), R0		0320
51	71	03	C5	000AC		MULL3	#3, SCA+340, R1		0321
	72	50	C0	000B1		ADDL2	R0, R1		
50	73	03	C5	000B4		MULL3	#3, SCA+336, R0		0322
62	74	50	C1	000B9		ADDL3	R0, R1, (R2)		
	75	53	C0	000BD		ADDL2	R3, 4(R2)		0323
	76	A4	C0	000C1		ADDL2	SCA+336, 32(R2)		0324
	77	67	D0	000C6	10\$:	MOVL	TSF, R0		0325
	78	C4	C8	000C9		BISL2	SCA+192, 8(R0)		0341
	79	51	D4	000CF		CLRL	R1		0342
	80	A4	D5	000D1		TSTL	SCA+340		
	81	02	15	000D4		BLEQ	11\$		
	82	51	D6	000D6		INCL	R1		
	83	01	EF	000D8	11\$:	EXTZV	#1, #1, 8(R0), R2		
	84	51	88	000DE		BISB2	R1, R2		
	85	52	F0	000E1		INSV	R2, #1, #1, 8(R0)		
08	86	00	EF	000E7		EXTZV	#0, #1, 128(R0), R1		0343
	87	00	EF	000EE		EXTZV	#0, #1, SCA+272, R2		
	88	52	88	000F4		BISB2	R2, R1		
	89	51	F0	000F7		INSV	R1, #0, #1, 128(R0)		
	90	A4	D0	000FE		MOVL	SCA+276, 28(R0)		0344
	91	A4	D0	00103		MOVL	SCA+284, 16(R0)		0345
	92	02	EF	00108		EXTZV	#2, #1, GCA+76, 68(R0)		0346
	93	A4	D0	00112		MOVL	SCA+260, 72(R0)		0347
	94	A4	D0	00117		MOVL	SCA+288, 76(R0)		0348
	95	A4	C0	0011C		ADDL2	SCA+292, 12(R0)		0352
	96	A4	D4	00121		CLRL	SCA+292		0353
	97	AC	E9	00124		BLBC	HYPHENATE, 12\$		0356
	98	03	C0	00128		ADDL2	#3, (R0)		0359
	99	A0	D6	0012B		INCL	4(R0)		0360
30	100	A4	D0	0012E	12\$:	MOVL	SCA+268, 48(R0)		0363
	101	A4	C0	00133		ADDL2	SCA+252, (R0)		0364
04	102	A4	C0	00137		ADDL2	SCA+256, 4(R0)		0365
	103	A0	D5	0013C		TSTL	56(R0)		0367
	104	05	12	0013F		BNEQ	13\$		
38	105	A4	D0	00141		MOVL	SCA+296, 56(R0)		0369
	106	A4	D0	00146	13\$:	MOVL	SCA+300, R1		0371
	107	04	13	0014A		BEQL	14\$		

	3C	A0	51	D0	0014C	MOVL	R1, 60(R0)	: 0373
			64	D4	00150	14\$: CLRL	SCA+332	: 0377
			04	A4	7C 00152	CLRQ	SCA+336	: 0378
			F4	A4	7C 00155	CLRQ	SCA+320	: 0379
			B0	A4	D5 00158	TSTL	SCA+252	: 0384
			03	12	0015B	BNEQ	15\$	
			00C0	31	0015D	BRW	21\$	
0A	FF7C	C4	01	E0	00160	15\$: BBS	#1, SCA+200, 16\$	: 0388
		42	04	AC	E9 00166	BLBC	SPACE, 18\$	
2C	FF7C	C4	01	E1	0016A	BBC	#1, SCA+200, 17\$	: 0392
	08	A4	01	D0	00170	16\$: MOVL	#1, SCA+340	: 0395
		50	65	D0	00174	MOVL	MRA, R0	: 0396
		51	04	A0	9E 00177	MOVAB	4(R0), R1	
	00	B1	56	90	0017B	MOVB	R6, a0(R1)	
			61	D6	0017F	INCL	(R1)	
			0C	A0	D6 00181	INCL	12(R0)	
	00	B1	55	8F	90 00184	MOVB	#85, a0(R1)	: 0397
			61	D6	00189	INCL	(R1)	
			0C	A0	D6 0018B	INCL	12(R0)	
	00	B1	20	90	0018E	MOVB	#32, a0(R1)	: 0398
			61	D6	00192	INCL	(R1)	
			0C	A0	D6 00194	INCL	12(R0)	
	FF7C	C4	02	8A	00197	BICB2	#2, SCA+200	: 0399
		50	65	D0	0019C	17\$: MOVL	MRA, R0	: 0402
	04	B0	20	90	0019F	MOVB	#32, a4(R0)	
			04	A0	D6 001A3	INCL	4(R0)	
			0C	A0	D6 001A6	INCL	12(R0)	
		64	01	D0	001A9	MOVL	#1, SCA+332	: 0403
		16	FC	A4	E9 001AC	18\$: BLBC	SCA+328, 19\$	: 0406
		12	04	AC	E9 001B0	BLBC	SPACE, 19\$	: 0407
		50	65	D0	001B4	MOVL	MRA, R0	: 0410
	04	B0	20	90	001B7	MOVB	#32, a4(R0)	
			04	A0	D6 001BB	INCL	4(R0)	
			0C	A0	D6 001BE	INCL	12(R0)	
			64	D6	001C1	INCL	SCA+332	: 0411
			FC	A4	D4 001C3	CLRL	SCA+328	: 0412
		27	08	AC	E9 001C6	19\$: BLBC	JUSTIFY, 20\$	: 0416
	04	A4	01	D0	001CA	MOVL	#1, SCA+336	: 0419
		50	65	D0	001CE	MOVL	MRA, R0	: 0420
		51	04	A0	9E 001D1	MOVAB	4(R0), R1	
	00	B1	56	90	001D5	MOVB	R6, a0(R1)	
			61	D6	001D9	INCL	(R1)	
			0C	A0	D6 001DB	INCL	12(R0)	
	00	B1	4A	8F	90 001DE	MOVB	#74, a0(R1)	: 0421
			61	D6	001E3	INCL	(R1)	
			0C	A0	D6 001E5	INCL	12(R0)	
	00	B1	20	90	001E8	MOVB	#32, a0(R1)	: 0422
			61	D6	001EC	INCL	(R1)	
			0C	A0	D6 001EE	INCL	12(R0)	
		28	0C	AC	E9 001F1	20\$: BLBC	HYPHENATE, 21\$	: 0426
	F4	A4	01	D0	001F5	MOVL	#1, SCA+320	: 0429
		50	65	D0	001F9	MOVL	MRA, R0	: 0430
		51	04	A0	9E 001FC	MOVAB	4(R0), R1	
	00	B1	56	90	00200	MOVB	R6, a0(R1)	
			61	D6	00204	INCL	(R1)	
			0C	A0	D6 00206	INCL	12(R0)	
	F8	A4	61	D0	00209	MOVL	(R1), SCA+324	: 0431

ENDWRD
V04-000

Perform end-word processing
Module Level Declarations

N 1
16-Sep-1984 00:24:59
14-Sep-1984 13:06:09

VAX-11 Bliss-32 V4.0-742
[RUNOFF.SRC]ENDWRD.BLI;1

Page 11
(4)

00	B1	49	8F	90	0020D	MOVB	#73, @0(R1)	0432
			61	D6	00212	INCL	(R1)	
		0C	A0	D6	00214	INCL	12(R0)	
00	B1		2D	90	00217	MOVB	#45, @0(R1)	0433
			61	D6	0021B	INCL	(R1)	
		0C	A0	D6	0021D	INCL	12(R0)	
		FF74	C4	D4	00220	CLRL	SCA+192	0439
		B0	A4	7C	00224	CLRQ	SCA+252	0440
		DC	A4	7C	00227	CLRQ	SCA+296	0442
C4	A4		01	8A	0022A	BICB2	#1, SCA+272	0444
		FF14	C4	D4	0022E	CLRL	SCA+96	0447
FEB4	C4	FED4	C4	7D	00232	MOVQ	SCA+32, SCA	0448
FEBC	C4	FEDC	C4	7D	00239	MOVQ	SCA+40, SCA+8	0450
FEC4	C4	FED4	C4	D0	00240	MOVL	SCA+32, SCA+16	0452
FECC	C4	FED8	C4	D0	00247	MOVL	SCA+36, SCA+24	0453
FEC8	C4	FEDC	C4	D0	0024E	MOVL	SCA+40, SCA+20	0454
FED0	C4	FEE0	C4	D0	00255	MOVL	SCA+44, SCA+28	0455
FEE4	C4	FF04	C4	7D	0025C	MOVQ	SCA+80, SCA+48	0456
FEEC	C4	FF0C	C4	7D	00263	MOVQ	SCA+88, SCA+56	0458
FEF4	C4	FF04	C4	D0	0026A	MOVL	SCA+80, SCA+64	0460
FEFC	C4	FF08	C4	D0	00271	MOVL	SCA+84, SCA+72	0461
FEF8	C4	FF0C	C4	D0	00278	MOVL	SCA+88, SCA+68	0462
FF00	C4	FF10	C4	D0	0027F	MOVL	SCA+92, SCA+76	0463
	50		65	D0	00286	MOVL	MRA, R0	0466
AC	A4	04	A0	D0	00289	MOVL	4(R0), SCA+248	
FF48	C4		01	D0	0028E	MOVL	#1, SCA+148	0467
84	A4		01	D0	00293	MOVL	#1, SCA+208	0468
			04	00297	RET			0469

; Routine Size: 664 bytes, Routine Base: \$CODE\$ + 0000

: 343 0470 1
: 344 0471 1 END
: 345 0472 0 ELUDOM

!End of module

PSECT SUMMARY

Name	Bytes	Attributes
\$CODE\$	664 NOVEC,NOWRT, RD ,	EXE,NOSHR, LCL, REL, CON,NOPI,ALIGN(2)

Library Statistics

File	Total	Symbols Loaded	Percent	Pages Mapped	Processing Time
\$255\$DUA28:[SYSLIB]XPORT.L32;1	590	0	0	252	00:00.2
\$255\$DUA28:[RUNOFF.SRC]DSRLIB.L32;1	1248	92	7	86	00:00.3

COMMAND QUALIFIERS

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

: Size: 664 code + 0 data bytes
: Run Time: 00:17.5
: Elapsed Time: 00:50.5
: Lines/CPU Min: 1615
: Lexemes/CPU-Min: 23462
: Memory Used: 205 pages
: Compilation Complete

0341 AH-BT13A-SE
VAX/VMS V4.0

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