


```

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

```

```

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
LLLLLLLLLL IIIIII SSSSSSSS
LLLLLLLLLL IIIIII SSSSSSSS

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1 0001 0 %TITLE 'Perform end-word processing'
2 0002 0 MODULE endwrld ( IDENT = 'V04-000'
3 P 0003 0 %BLISS32C, 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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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

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```
.. 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
```

```
.. 60 0058 1 %SBITL '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 'NXPOR:XPOR': : 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
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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_FDOTW 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 2 %IF DSRPLUS %THEN
140 U 0267 2     AND (NOT .sca_wrd_pass)
141 0268 2 %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

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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.

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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_ISEQ = .GCA_CMD_ISQ;
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 3      | BEGIN
232 0359 3      |     TSF_INT_HL = .TSF_INT_HL + 3; !NOTE: The '-' has not yet
233 0360 3      |     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 3      | 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 3      | 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 3      | BEGIN !Processing associated with a non-null word.
260 0387 3
261 0388 3      | IF .SCA_WRD_AC_UND OR .SPACE
262 0389 3      | THEN
263 0390 4      | BEGIN
264 0391 4
265 0392 4      | IF .SCA_WRD_AC_UND
266 0393 4      | THEN

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; R

;


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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;

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: 324 0451 2 SCA_OC_LT = .SCA_OCBE_LT;
: 325 0452 2 SCA_WRD_FC_UT = .SCA_FCBE_UT;
: 326 0453 2 SCA_WRD_OC_UT = .SCA_OCBE_UT;
: 327 0454 2 SCA_WRD_FC_LT = .SCA_FCBE_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 2 !Remember where next word will start. (Needed by SCL.)
: 339 0466 2 SCA_WRD_PNTR = .FS_NEXT (MRA);
: 340 0467 2 SCA_FC = TRUE;
: 341 0468 2 SCA_FC_CASE = TRUE;
: 342 0469 1 END;

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

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

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

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.PSECT $CODE$,NOWRT,2

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: 00FC 00000 .ENTRY ENDWRD, Save R2,R3,R4,R5,R6,R7 : 0223
57 00000000G EF 9E 00002 MOVAB TSF, R7
56 00000000G 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 EF 00 FB 00020 CALLS #0, OUTXPH : 0259
56 CC A4 D1 00027 1$: CMPL SCA+280, R6 : 0261
DC A4 D5 0002D BNEQ 2$ : 0262
DB A4 D5 00032 TSTL SCA+296 : 0263
05 FF1C 0A 12 00035 BNEQ 2$ : 0265
64 D5 00037 BLBS @SCA+104, 2$
01 12 0003C TSTL SCA+332
04 00040 BNEQ 2$
00000000G 7E 56 9A 00041 2$: RET
EF 01 FB 00044 MOVZBL R6, -(SP) : 0272
FF54 C4 D4 0004B CALLS #1, ENDCHR
05 F4 A4 E9 0004F CLRL SCA+160 : 0277
51 01 CE 00053 BLBC SCA+320, 3$ : 0284
02 11 00056 MNFGL #1, R1 : 0286
51 D4 00058 3$: BRB 4$
05 0C AC E9 0005A 4$: CLRL R1 : 0284
50 01 D0 0005E BLBC HYPHENATE, 5$ : 0289
02 11 00061 MOVL #1, R0
BRB 6$

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

Perform end-word processing
Module Level Declarations

				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\$	
		00	C0	31 0015D	BRW	21\$	
OA	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	MOVAB	R6, @0(R1)	
				61 D6 0017F	INCL	(R1)	
		00	B1	0C A0 D6 00181	INCL	12(R0)	
		55		8F 90 00184	MOVAB	#85, @0(R1)	0397
				61 D6 00189	INCL	(R1)	
		00	B1	0C A0 D6 0018B	INCL	12(R0)	
		61		20 90 0018E	MOVAB	#32, @0(R1)	0398
				0C A0 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	MOVAB	#32, @4(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	MOVAB	#32, @4(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	MOVAB	R6, @0(R1)	
				61 D6 001C9	INCL	(R1)	
				0C A0 D6 001DB	INCL	12(R0)	
00		B1		4A 8F 90 001DE	MOVAB	#74, @0(R1)	0421
				61 D6 001E3	INCL	(R1)	
				0C A0 D6 001E5	INCL	12(R0)	
00		B1		20 90 001E8	MOVAB	#32, @0(R1)	0422
				61 D6 001EC	INCL	(R1)	
				0C A0 D6 001EE	INCL	12(R0)	
		2B		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	MOVAB	R6, @0(R1)	
				61 D6 00204	INCL	(R1)	
				0C A0 D6 00206	INCL	12(R0)	
F8		A4		61 D0 00209	MOVL	(R1), SCA+324	0431

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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	FED7	C4	7D	00232	MOVQ	SCA+32, SCA	:	0448
FEB8	C4	FEDC	C4	7D	00239	MOVQ	SCA+40, SCA+8	:	0450
FEC4	C4	FED4	C4	D0	00240	MOVL	SCA+32, SCA+16	:	0452
FEC8	C4	FED8	C4	D0	00247	MOVL	SCA+36, SCA+24	:	0453
FEEC	C4	FEDC	C4	D0	0024E	MOVL	SCA+40, SCA+20	:	0454
FED0	C4	FLE0	C4	D0	00255	MOVL	SCA+44, SCA+28	:	0455
FEE4	C4	FF04	C4	7D	0025C	MOVQ	SCA+80, SCA+48	:	0456
FEE8	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

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: 343      0470 1
: 344      0471 1 END
: 345      0472 0 ELUDOM
:                                     !End of module

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PSECT SUMMARY

Name	Bytes	Attributes
\$CODE\$	664	NOVEC, NOWRT, RD, EXE, NOSHR, I, CL, REL, CON, NOPIC, 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

ENDWRD LIS	ERROR LIS	FIGURE LIS	FLGSEM LIS	FOOFIL LIS	GCODE LIS
FCTMRA LIS	FENONLY LIS	FJFNFI LIS	FOOBOT LIS	GBLDCL LIS	
FNDPLG LIS	FOOOUT LIS	FORMAT LIS			