


```

DDDDDDDD      SSSSSSSS  PPPPPPPP  HH      HH  LL
DDDDDDDD      SSSSSSSS  PPPPPPPP  HH      HH  LL
DD      DD  SS      PP      PP  HH      HH  LL
DD      DD  SS      PP      PP  HH      HH  LL
DD      DD  SS      PP      PP  HH      HH  LL
DD      DD  SS      PP      PP  HH      HH  LL
DD      DD  SSSSSS  PPPPPPPP  HHHHHHHHHH LL
DD      DD  SSSSSS  PPPPPPPP  HHHHHHHHHH LL
DD      DD      SS  PP      HH      HH  LL
DD      DD      SS  PP      HH      HH  LL
DD      DD      SS  PP      HH      HH  LL
DD      DD      SS  PP      HH      HH  LL
DDDDDDDD      SSSSSSSS  PP      HH      HH  LLLLLLLLLL
DDDDDDDD      SSSSSSSS  PP      HH      HH  LLLLLLLLLL

```

```

LL      IIIIII  SSSSSSSS
LL      IIIIII  SSSSSSSS
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
: 1
: 1
: 1

:

0000

0000

0000

0000

```

1 0001 0 MODULE DSPHL ( IDENT = 'V04-000'
2 0002 0
3 P 0003 0 %BLISS32[
4 P 0004 0 ADDRESSING_MODE(EXTERNAL=LONG_RELATIVE, NONEXTERNAL=LONG_RELATIVE)
5 0005 0 ]
6 0006 0 ) =
7 0007 1 BEGIN
8 0008 1
9 0009 1 *****
10 0010 1 *
11 0011 1 * COPYRIGHT (c) 1978, 1980, 1982, 1984 BY *
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28 0028 1 *
29 0029 1 *
30 0030 1 *****
31 0031 1
32 0032 1
33 0033 1 ++
34 0034 1
35 0035 1 FACILITY: DSR (Digital Standard RUNOFF) / DSRPLUS
36 0036 1
37 0037 1 ABSTRACT: Processes the .DISPLAY LEVELS command.
38 0038 1
39 0039 1
40 0040 1 ENVIRONMENT: Transportable
41 0041 1
42 0042 1 AUTHOR: R.W.Friday CREATION DATE: May, 1979
43 0043 1

```

Revision History

:	45	0044	1	%SBTTL 'Revision History'
:	46	0045	1	
:	47	0046	1	MODIFIED BY:
:	48	0047	1	
:	49	0048	1	002 KFA00002 Ken Alden 07-Mar-1983
:	50	0049	1	Global edit of all modules. Updated module names, idents,
:	51	0050	1	copyright dates. Changed require files to BLISS library.
:	52	0051	1	
:	53	0052	1	--

Module Level Declarations

```
.. 55      0053 1 %SBTTL 'Module Level Declarations'  
.. 56      0054 1 |  
.. 57      0055 1 | TABLE OF CONTENTS:  
.. 58      0056 1 |  
.. 59      0057 1 |  
.. 60      0058 1 |  
.. 61      0059 1 | INCLUDE FILES:  
.. 62      0060 1 |  
.. 63      0061 1 |  
.. 64      0062 1 LIBRARY 'NXPORT:XPORT';      ! XPORT Library  
.. 65      0063 1 REQUIRE 'REQ:RNODEF';      ! RUNOFF variant definitions  
.. 66      0194 1 |  
.. 67      U 0195 1 %IF DSRPLUS %THEN  
.. 68      U 0196 1 LIBRARY 'REQ:DPLLIB';      ! DSRPLUS BLISS Library  
.. 69      0197 1 %ELSE  
.. 70      0198 1 LIBRARY 'REQ:DSRLIB';      ! DSR BLISS Library  
.. 71      0199 1 %FI  
.. 72      0200 1 |  
.. 73      0201 1 |  
.. 74      0202 1 | MACROS:  
.. 75      0203 1 |  
.. 76      0204 1 |  
.. 77      0205 1 |  
.. 78      0206 1 | EQUATED SYMBOLS:  
.. 79      0207 1 |  
.. 80      0208 1 |  
.. 81      0209 1 |  
.. 82      0210 1 | OWN STORAGE:  
.. 83      0211 1 |  
.. 84      0212 1 |  
.. 85      0213 1 |  
.. 86      0214 1 | EXTERNAL REFERENCES:  
.. 87      0215 1 |  
.. 88      0216 1 EXTERNAL  
.. 89      0217 1     IRA : FIXED_STRING,  
.. 90      0218 1     HLDSP : VECTOR [MAX_LEVELS];  
.. 91      0219 1 |  
.. 92      0220 1 EXTERNAL ROUTINE  
.. 93      0221 1     GETDD,  
.. 94      0222 1     RSKIPS,  
.. 95      0223 1     SKPSEP;
```

Module Level Declarations

```

97 0224 1 GLOBAL ROUTINE DSPHL (HANDLER) : NOVALUE =      !
98 0225 1
99 0226 1  !++
100 0227 1  FUNCTIONAL DESCRIPTION:
101 0228 1
102 0229 1      See the ABSTRACT for a general description.
103 0230 1
104 0231 1  FORMAL PARAMETERS:
105 0232 1
106 0233 1      HANDLER is a dummy parameter passed for conformance only.
107 0234 1
108 0235 1  IMPLICIT INPUTS:      None
109 0236 1
110 0237 1  IMPLICIT OUTPUTS:    None
111 0238 1
112 0239 1  ROUTINE VALUE:
113 0240 1  COMPLETION CODES:    None
114 0241 1
115 0242 1  SIDE EFFECTS: None
116 0243 1
117 0244 1  --
118 0245 1
119 0246 2  BEGIN
120 0247 2  LOCAL
121 0248 2  DISPLAY_CODE;
122 0249 2
123 0250 2  !Skip spaces and tabs before the first display descriptor.
124 0251 2  RSKIPS (IRA);
125 0252 2
126 0253 2  !Attempt to get and process enough display descriptors to define
127 0254 2  !the display characteristics of all header levels.
128 0255 2  INCR I FROM 0 TO (MAX_LEVELS - 1) DO
129 0256 2  BEGIN
130 0257 2
131 0258 2  CASE GETDD (DISPLAY_CODE) FROM -1 TO 1 OF
132 0259 2  SET
133 0260 2
134 0261 2  [-1] :
135 0262 2  RETURN;                                !Quit if an error is detected
136 0263 2
137 0264 2  [0] :
138 0265 2  0;                                    !Skip over empty positions
139 0266 2
140 0267 2  [+1] :
141 0268 2  HLDSP [.I] = .DISPLAY_CODE;          !Save this display code
142 0269 2
143 0270 2  TES;
144 0271 2
145 0272 2  !Skip a separator to position to next descriptor
146 0273 2  IF .I NEQ (MAX_LEVELS - 1)
147 0274 2  THEN
148 0275 2  SKPSEP (IRA);
149 0276 2
150 0277 2  END
151 0278 2
152 0279 1  END;                                !End of DSPHL

```

```

                                .TITLE DSPHL
                                .IDENT \V04-000\
                                .EXTRN IRA, HLDSP, GETDD
                                .EXTRN RSKIPS, SKPSEP
                                .PSECT $CODE$,NOWRT,2
                                .ENTRY DSPHL, Save R2,R3
00000000G EF 000C 00000          MOVAB IRA, R3
53 00000000G EF 04 9E 00002        SUBL2 #4, SP
5E                                PUSHL R3
                                CALLS #1, RSKIPS
                                CLRL I
                                PUSHL SP
00000000G EF 01 FB 0000E        CALLS #1, GETDD
02 FFFFFFFF 8F 52 D4 00015      CASEL R0, #-1, #2
0007 000F 0021 00028 2$:        .WORD 6$-2$,-
                                4$-2$,-
                                3$-2$
                                RET
                                MOVL DISPLAY_CODE, HLDSP[I]
                                CML I, #5
                                BEQL 5$
                                PUSHL R3
                                CALLS #1, SKPSEP
                                AOBLEQ #5, I, 1$
                                RET
                                : 0224
                                : 0251
                                : 0255
                                : 0258
                                : 0262
                                : 0268
                                : 0273
                                : 0275
                                : 0255
                                : 0279

```

: Routine Size: 74 bytes, Routine Base: \$CODE\$ + 0000

```

: 153      0280 1 END           !End of module
: 154      0281 0 ELUDOM

```

PSECT SUMMARY

Name	Bytes	Attributes
\$CODE\$	74	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]XPORT.L32;1	590	0	0	252	00:00.2
-\$255\$DUA28:[RUNOFF.SRC]DSRLIB.L32;1	1248	2	0	86	00:00.2

CU

COMMAND QUALIFIERS

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

: Size: 74 code + 0 data bytes
: Run Time: 00:02.8
: Elapsed Time: 00:10.0
: Lines/CPU Min: 6021
: Lexemes/CPU-Min: 8421
: Memory Used: 27 pages
: Compilation Complete

