


```

NN      NN  DDDDDDDD  XX      XX  MM      MM  SSSSSSSS  GGGGGGGG
NN      NN  DDDDDDDD  XX      XX  MM      MM  SSSSSSSS  GGGGGGGG
NN      NN  DD        DD  XX      XX  MMMM    MMMM  SS        GG
NN      NN  DD        DD  XX      XX  MMMM    MMMM  SS        GG
NNNN    NN  DD        DD  XX  XX  MM  MM  MM  SS        GG
NNNN    NN  DD        DD  XX  XX  MM  MM  MM  SS        GG
NN  NN  NN  DD        DD  XX      XX  MM      MM  SSSSSS  GG
NN  NN  NN  DD        DD  XX      XX  MM      MM  SSSSSS  GG
NN      NN  DD        DD  XX  XX  MM      MM  SS        GG  GGGGGG
NN      NN  DD        DD  XX  XX  MM      MM  SS        GG  GGGGGG
NN      NN  DD        DD  XX      XX  MM      MM  SS        GG  GG
NN      NN  DDDDDDDD  XX      XX  MM      MM  SSSSSSSS  GGGGGG
NN      NN  DDDDDDDD  XX      XX  MM      MM  SSSSSSSS  GGGGGG

```

```

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 'NDXMSG -- Dump entry as message'
2 0002 0 MODULE NDXMSG (IDENT = 'V04-000'
3 0003 0 %BLISS32 [, ADDRESSING_MODE (EXTERNAL = LONG_RELATIVE, NONEXTERNAL = LONG_RELATIVE)]
4 0004 0 ) =
5 0005 1 BEGIN
6 0006 1
7 0007 1
8 0008 1
9 0009 1
10 0010 1 *****
11 0011 1 *
12 0012 1 *   COPYRIGHT (c) 1978, 1980, 1982, 1984 BY
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28 0028 1 *   SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.
29 0029 1 *****
30 0030 1
31 0031 1
32 0032 1 ++
33 0033 1 FACILITY:
34 0034 1   DSR (Digital Standard RUNOFF) /DSRPLUS DSRINDEX/INDEX Utility
35 0035 1
36 0036 1 ABSTRACT:
37 0037 1   This module contains code to dump an index entry in internal format
38 0038 1
39 0039 1 ENVIRONMENT:   Transportable
40 0040 1
41 0041 1 AUTHOR:        JPK
42 0042 1
43 0043 1 CREATION DATE: January 1982
44 0044 1
45 0045 1 MODIFIED BY:
46 0046 1
47 0047 1   005   JPK00015   04-Feb-1983
48 0048 1   Cleaned up module names, modified revision history to
49 0049 1   conform with established standards. Updated copyright dates.
50 0050 1
51 0051 1   004   JPK00012   24-Jan-1983
52 0052 1   Modified NDXVMSMSG.MSG to define error messages for both
53 0053 1   DSRINDEX and INDEX.
54 0054 1   Added require of NDXVMSREQ.R32 to NDXOUT, NDXFMT, NDXDAT,
55 0055 1   INDEX, NDXMSG, NDXXTN, NDXTMS, NDXVMS and NDXPAG for BLISS32.
56 0056 1   Since this file defines the error message literals,
57 0057 1   the EXTERNAL REFERENCES for the error message literals

```

..	58	0058	1	..			have been removed.
..	59	0059	1	..			
..	60	0060	1	..	003	JPK00010	24-Jan-1983
..	61	0061	1	..			Removed routines GETDAT and UPDDAT from NDXDAT - they
..	62	0062	1	..			performed no useful function. Removed references to these
..	63	0063	1	..			routines from NDXOUT, NDXFMT, and NDXMSG.
..	64	0064	1	..			Removed reference to XPOOL in NDXOUT - not used.
..	65	0065	1	..			
..	66	0066	1	..	002	JPK00004	24-Sep-1982
..	67	0067	1	..			Modified NDXOUT, NDXMSG, NDXFMT, and NDXDAT for TOPS-20.
..	68	0068	1	..			Strings stored in the index pool use the first fullword
..	69	0069	1	..			for their length. References to these strings were incorrect.
..	70	0070	1	..			
..	71	0071	1	..			--

```

: 73 0072 1 |
: 74 0073 1 | TABLE OF CONTENTS:
: 75 0074 1 |
: 76 0075 1 | FORWARD ROUTINE
: 77 0076 1 |     ENTMSG : NOVALUE,           | Dump current entry
: 78 0077 1 |     DMPENT : NOVALUE;         | Dump entry
: 79 0078 1 |
: 80 0079 1 | INCLUDE FILES:
: 81 0080 1 |
: 82 0081 1 |
: 83 0082 1 | LIBRARY 'NXPORT:XPORT';
: 84 0083 1 |
: 85 0084 1 | REQUIRE 'REQ:NDXPOL';
: 86 0302 1 |
: 87 L 0303 1 | %IF %BLISS (BLISS32)
: 88 0304 1 | %THEN
: 89 0305 1 |
: 90 0306 1 | REQUIRE 'REQ:NDXVMSREQ';
: 91 0587 1 |
: 92 0588 1 | %FI
: 93 0589 1 |
: 94 0590 1 |
: 95 0591 1 | MACROS:
: 96 0592 1 |
: 97 0593 1 |
: 98 0594 1 | EQUATED SYMBOLS:
: 99 0595 1 |
: 100 0596 1 |
: 101 0597 1 | OWN STORAGE:
: 102 0598 1 |
: 103 0599 1 |
: 104 0600 1 | EXTERNAL REFERENCES:
: 105 0601 1 |
: 106 0602 1 | EXTERNAL LITERAL
: 107 0603 1 |     RINTES : UNSIGNED (8),     | RUNOFF escape sequence character
: 108 0604 1 |     MAXLST;                   | Maximum subindex depth
: 109 0605 1 |
: 110 0606 1 | EXTERNAL
: 111 0607 1 |     LSTPTR : REF $XE_BLOCK,    | Pointer to current entry
: 112 0608 1 |     INDLVL;                   | Current subindex level
: 113 0609 1 |     LSTSTK : VECTOR;         | Entry stack

```

```

115 0610 1 %SBTTL 'ENTMSG - Dump current index entry'
116 0611 1 GLOBAL ROUTINE ENTMSG : NOVALUE =
117 0612 1 ++
118 0613 1
119 0614 1 FUNCTIONAL DESCRIPTION:
120 0615 1
121 0616 1 This routine builds a string which represents the current index
122 0617 1 entry from the index stack. The string is dumped via DMPENT.
123 0618 1
124 0619 1 FORMAL PARAMETERS:
125 0620 1
126 0621 1 None
127 0622 1
128 0623 1 IMPLICIT INPUTS:
129 0624 1
130 0625 1 LSTPTR - Pointer to current entry
131 0626 1 INDLVL - Subindex level
132 0627 1 LSTSTK - Index entry stack
133 0628 1
134 0629 1 IMPLICIT OUTPUTS:
135 0630 1
136 0631 1 None
137 0632 1
138 0633 1 ROUTINE VALUE:
139 0634 1 COMPLETION CODES:
140 0635 1
141 0636 1 None
142 0637 1
143 0638 1 SIDE EFFECTS:
144 0639 1
145 0640 1 None
146 0641 1 --
147 0642 2 BEGIN
148 0643 2 LOCAL
149 0644 2 LINE : VECTOR [CH$ALLOCATION (1200)],
150 0645 2 LEN,
151 0646 2 PTR;
152 0647 2
153 0648 2 |
154 0649 2 | Build a string containing the whole entry
155 0650 2 |
156 0651 2 LEN = 0;
157 0652 2 PTR = CH$PTR (LINE);
158 0653 2
159 0654 2 LSTSTK [.INDLVL] = .LSTPTR; ! Save pointer to current entry
160 0655 2
161 0656 2 INCR I FROM 0 TO .INDLVL DO
162 0657 2 BEGIN
163 0658 2 LOCAL
164 0659 2 XEPTR : REF $XE BLOCK,
165 0660 2 FROM_VEC : REF VECTOR,
166 0661 2 FROM_LEN,
167 0662 2 FROM_PTR;
168 0663 2
169 0664 2 |
170 0665 2 | Point to entry
171 0666 2

```

```

172 0667 3 Y'PTR = .LSTSTK [.I];
173 0668
174 0669
175 0670
176 0671
177 0672 FROM_VEC = .XEPTR [XESA_TEXT];
178 0673
179 0674
180 0675
181 0676
182 0677
183 0678 FROM_LEN = .FROM_VEC [0];
184 0679 FROM_PTR = CH$PTR (FROM_VEC [1]);
185 0680
186 0681
187 0682
188 0683
189 0684 CH$MOVE (.FROM_LEN, .FROM_PTR, .PTR);
190 0685 PTR = CH$PLUS (.PTR, .FROM_LEN);
191 0686 LEN = .LEN + .FROM_LEN;
192 0687
193 0688 IF .I NEQ .INDLVL
194 0689 THEN
195 0690 BEGIN
196 0691
197 0692
198 0693
199 0694
200 0695
201 0696
202 0697
203 0698
204 0699
205 0700
206 0701
207 0702
208 0703

```

```

LSTSTK [.INDLVL] = 0; ! Clean stack
DMPENT (.LEN, CH$PTR (LINE)); ! Dump entry
END;

```

```

.TITLE NDXMSG NDXMSG -- Dump entry as message
.IDENT \V04-000\

.EXTRN DSRINDEX$_BADLOGIC
.EXTRN DSRINDEX$_BADVALUE
.EXTRN DSRINDEX$_INSVIRMEM
.EXTRN DSRINDEX$_LINELENG
.EXTRN DSRINDEX$_NOREF
.EXTRN DSRINDEX$_OPENIN
.EXTRN DSRINDEX$_OPENOUT
.EXTRN DSRINDEX$_TOOMANY
.EXTRN DSRINDEX$_VALERR
.EXTRN DSRINDEX$_CANTBAL
.EXTRN DSRINDEX$_CLOSEQUOT
.EXTRN DSRINDEX$_CONFQUAL
.EXTRN DSRINDEX$_CTRLCHAR
.EXTRN DSRINDEX$_DOESNTFIT
.EXTRN DSRINDEX$_DUPBEGIN

```

```

.EXTRN DSRINDEX$_EMPTYIN
.EXTRN DSRINDEX$_IGNORED
.EXTRN DSRINDEX$_INVINPUT
.EXTRN DSRINDEX$_INVRECORD
.EXTRN DSRINDEX$_LASTCONT
.EXTRN DSRINDEX$_NOBEGIN
.EXTRN DSRINDEX$_NOEND
.EXTRN DSRINDEX$_NOINDEX
.EXTRN DSRINDEX$_NOLIST
.EXTRN DSRINDEX$_OVERSTRK
.EXTRN DSRINDEX$_SKIPPED
.EXTRN DSRINDEX$_SYNTAX
.EXTRN DSRINDEX$_TEXTFILE
.EXTRN DSRINDEX$_TOODEEP
.EXTRN DSRINDEX$_TOOFEW
.EXTRN DSRINDEX$_TRUNCATED
.EXTRN DSRINDEX$_COMPLETE
.EXTRN DSRINDEX$_CREATED
.EXTRN DSRINDEX$_IDENT
.EXTRN DSRINDEX$_PROCFILE
.EXTRN DSRINDEX$_TEXT, DSRINDEX$_TEXTD
.EXTRN DSRINDEX$_TMS11
.EXTRN RINTES, MAXLST, LSTPTR
.EXTRN INDLVL, LSTSTK

```

.PSECT \$CODE\$,NOWRT,2

```

                                JFFC 00000
5B 00000000G EF 9E 00002
5E      FB50 CE 9E 00009
      5A D4 0000E
59      6E 9E 00010
56 00000000G EF D0 00013
6B46 00000000G EF D0 0001A
58      01 CE 00022
      25 11 00025
50      6B48 D0 00027 1$:
50      10 A0 D0 0002B
57      80 D0 0002F
69      60 57 28 00032
59      57 C0 00036
5A      57 C0 00039
56      58 D1 0003C
      0B 13 0003F
89      00G 8F 90 00041
89      4A 8F 9B 00045
5A      03 C0 00049
D7      58 56 F3 0004C 2$:
      6B46 D4 00050
      8F BB 00053
00000000V EF 02 FB 00057
      04 0005E

```

```

.ENTRY ENTMSG, Save R2,R3,R4,R5,R6,R7,R8,R9,R10,- : 0611
R11
MOVAB LSTSTK, R11
MOVAB -1200(SP), SP
CLRL LEN : 0651
MOVAB LINE, PTR : 0652
MOVL INDLVL, R6 : 0654
MOVL LSTPTR, LSTSTK[R6]
MNEGL #1, I : 0656
BRB 2$
MOVL LSTSTK[I], XEPT : 0667
MOVL 16(XEPT), FROM_VEC : 0672
MOVL (FROM_VEC)+, FROM_LEN : 0677
MOV C3 FROM_LEN, (FROM_PTR), (PTR) : 0683
ADDL2 FROM_LEN, PTR : 0684
ADDL2 FROM_LEN, LEN : 0685
CML 1, R6 : 0687
BEQL 2$
MOV B #RINTES, (PTR)+ : 0693
MOVZBW #74, (PTR)+ : 0694
ADDL2 #3, LEN : 0696
AOBLEQ R6, I, 1$ : 0656
CLRL LSTSTK[R6] : 0700
PUSHR #M<R10, SP> : 0702
CALLS #2, DMPENT
RET : 0703

```

; Routine Size: 95 bytes, Routine Base: \$CODE\$ + 0000


```

210 0704 1 GLOBAL ROUTINE DMPENT (LEN, STR_PTR) : NOVALUE =
211 0705 1
212 0706 1 !++
213 0707 1 FUNCTIONAL DESCRIPTION:
214 0708 1
215 0709 1     DMPENT untranslates text and dumps it
216 0710 1
217 0711 1 FORMAL PARAMETERS:
218 0712 1
219 0713 1     LEN      - is the number of bytes to be scanned.
220 0714 1     STR_PTR - is a CH$PTR to the index entry
221 0715 1
222 0716 1 IMPLICIT INPUTS:
223 0717 1
224 0718 1     NONE
225 0719 1
226 0720 1 IMPLICIT OUTPUTS:
227 0721 1
228 0722 1     NONE
229 0723 1
230 0724 1 ROUTINE VALUE:
231 0725 1 COMPLETION CODES:
232 0726 1
233 0727 1     NONE
234 0728 1
235 0729 1 SIDE EFFECTS:
236 0730 1
237 0731 1     NONE
238 0732 1
239 0733 1 --
240 0734 1
241 0735 2 BEGIN
242 0736 2
243 0737 2 LOCAL
244 0738 2     COUNT,           ! Number of characters in output stream.
245 0739 2     XLP,             ! A CH$PTR to the next character location in XLINE.
246 0740 2     XLINE : VECTOR [CH$ALLOCATION (1200)], ! Build up the dump line here.
247 0741 2     PTR;
248 0742 2
249 0743 2 IF .LEN EQL 0 THEN RETURN;           ! Split if no text to display
250 0744 2
251 0745 2 XLP = CH$PTR (XLINE);               ! Point to line buffer
252 0746 2 COUNT = 0;                          ! Initialize length counter
253 0747 2
254 0748 2 !
255 0749 2 ! Scan the text, untranslating escape codes, etc back to RUNOFF flags.
256 0750 2 !
257 0751 2 PTR = .STR_PTR;                       ! Copy pointer to what's to be 'unparsed'
258 0752 2
259 0753 2 INCR I FROM 1 TO .LEN DC
260 0754 2 BEGIN
261 0755 2
262 0756 2 LOCAL
263 0757 2     KHAR;
264 0758 2
265 0759 2     KHAR = CH$RCHAR_A (PTR);
266 0760 2

```

```

: 267 0761 3 IF .KHAR EQL RINTES
: 268 0762 3 THEN
: 269 0763 4 BEGIN
: 270 0764 4 |
: 271 0765 4 | Untranslate special function
: 272 0766 4 |
: 273 0767 4 |
: 274 0768 4 LOCAL
: 275 0769 4 FUNCTION_CODE,
: 276 0770 4 OPERAND;
: 277 0771 4
: 278 0772 4 FUNCTION_CODE = CH$RCHAR_A (PTR);
: 279 0773 4 OPERAND = CH$RCHAR_A (PTR);
: 280 0774 4 I = .I + 2;
: 281 0775 4
: 282 0776 4 SELECTONE .FUNCTION_CODE OF
: 283 0777 4 SET
: 284 0778 4
: 285 0779 4 [X'C'B'] :
: 286 0780 4 |
: 287 0781 4 | Bolded character.
: 288 0782 4 |
: 289 0783 4 | CH$WCHAR_A (X'C*' , XLP);
: 290 0784 4
: 291 0785 4 [X'C'U'] :
: 292 0786 4 |
: 293 0787 4 | Underlined character.
: 294 0788 4 |
: 295 0789 4 | CH$WCHAR_A (X'C'&' , XLP);
: 296 0790 4
: 297 0791 4 [X'C'O'] :
: 298 0792 4 BEGIN
: 299 0793 5 |
: 300 0794 5 | An overstruck character.
: 301 0795 5 | NOTE: Order is the reverse of what user specified.
: 302 0796 5 |
: 303 0797 5 | CH$WCHAR_A (.OPERAND, XLP);
: 304 0798 5 | CH$WCHAR_A (X'C'%' , XLP);
: 305 0799 5 | COUNT = .COUNT + 1;
: 306 0800 4 | END;
: 307 0801 4
: 308 0802 4 [X'C'J'] :
: 309 0803 4 |
: 310 0804 4 | A word mark. For indexing commands, this
: 311 0805 4 | starts a new sub-indexing level.
: 312 0806 4 |
: 313 0807 4 | CH$WCHAR_A (X'C'>' , XLP);
: 314 0808 4
: 315 0809 4 [X'C'P'] :
: 316 0810 4 |
: 317 0811 4 | No permute flag
: 318 0812 4 |
: 319 0813 4 | CH$WCHAR_A (X'C'~' , XLP);
: 320 0814 4
: 321 0815 4 [X'C'N'] :
: 322 0816 4 IF .OPERAND EQL X'C'-'
: 323 0817 4 THEN

```

```

324 0818 4 CH$WCHAR_A (%C'=', XLP) ! Hyphenate flag
325 0819 4 ELSE
326 0820 4 CH$WCHAR_A (%C'?', XLP); ! Unknown sequence
327 0821 4
328 0822 4 [OTHERWISE] :
329 0823 4 |
330 0824 4 | Unknown/unsupported special function
331 0825 4 |
332 0826 4 | CH$WCHAR_A (%C'?', XLP);
333 0827 4 TES;
334 0828 4
335 0829 4 END
336 0830 3 ELSE
337 0831 4 BEGIN
338 0832 4 |
339 0833 4 | Some normal character
340 0834 4 |
341 0835 4 | Normal characters go out as themselves. Control characters
342 0836 4 | are translated to something else.
343 0837 4 |
344 0838 4 |
345 0839 5 IF (.KHAR GEQ %C' ') AND (.KHAR LEQ %O'176')
346 0840 4 THEN
347 0841 4 |
348 0842 4 | Output a normal character
349 0843 4 |
350 0844 4 | CH$WCHAR_A (.KHAR, XLP)
351 0845 4 ELSE
352 0846 5 BEGIN
353 0847 5 |
354 0848 5 | Translate and output a control character.
355 0849 5 | NOTE: DEL (Octal 177) and NUL (Octal 0) have the same result.
356 0850 5 |
357 0851 5 | CH$WCHAR_A (%C'^', XLP);
358 0852 5 | CH$WCHAR_A (.KHAR + %C'@', XLP);
359 0853 5 | COUNT = .COUNT + 1;
360 0854 4 | END;
361 0855 4
362 0856 3 END;
363 0857 3
364 0858 3 COUNT = .COUNT + 1;
365 0859 2 END;
366 0860 2
367 0861 2 |
368 0862 2 | Now tell user what entry was
369 0863 2 |
370 L 0864 2 %IF %BLISS (BLISS32)
371 0865 2 %THEN ! Signal messages in BLISS32
372 0866 2
373 0867 2 SIGNAL (INDEX$_TEXTD, 2, .COUNT, CH$PTR (XLINE));
374 0868 2
375 U 0869 2 %ELSE ! Use $XPO_PUT_MSG otherwise
376 0870 2
377 0871 2 $XPO_PUT_MSG (SEVERITY = WARNING,
378 0872 2 STRING = $STR_CONCAT ('entry text: ', (.COUNT, CH$PTR (XLINE)), ''));
379 U 0873 2
380 0874 2 %FI

```

: 381
: 382

0875 2
0876 1 END;

!End of DMPENT

			007C 00000	.ENTRY	DMPENT, Save R2,R3,R4,R5,R6	0704
5E	FB50	CE	9E 00002	MOVAB	-1200(SP), SP	
	04	AC	D5 00007	TSTL	LEN	0743
		01	12 0000A	BNEQ	1\$	
			04 0000C	RET		
50		6E	9E 0000D 1\$:	MOVAB	XLINE, XLP	0745
56	08	AC	D0 00010	MOVL	STR PTR, PTR	0751
		54	7C 00014	CLRQ	COUNT	0746
		009B	31 00016	BRW	13\$	0753
52		86	9A 00019 2\$:	MOVZBL	(PTR)+, KHAR	0759
0000000G		8F	52 D1 0001C	CMPL	KHAR, #RINTES	0761
			6D 12 00023	BNEQ	9\$	
51		86	9A 00025	MOVZBL	(PTR)+, FUNCTION_CODE	0772
53		86	9A 00028	MOVZBL	(PTR)+, OPERAND	0773
55		02	C0 0002B	ADDL2	#2, I	0774
00000042		8F	51 D1 0002E	CMPL	FUNCTION_CODE, #66	0779
			05 12 00035	BNEQ	3\$	
60		2A	90 00037	MOVB	#42, (XLP)	0783
		74	11 0003A	BRB	11\$	
00000055		8F	51 D1 0003C 3\$:	CMPL	FUNCTION_CODE, #85	0785
			05 12 00043	BNEQ	4\$	
60		26	90 00045	MOVB	#38, (XLP)	0789
		66	11 00048	BRB	11\$	
0000004F		8F	51 D1 0004A 4\$:	CMPL	FUNCTION_CODE, #79	0791
			0A 12 00051	BNEQ	5\$	
80		53	90 00053	MOVB	OPERAND, (XLP)+	0797
80		25	90 00056	MOVB	#37, (XLP)+	0798
		54	D6 00059	INCL	COUNT	0799
		55	11 0005B	BRB	12\$	0776
0000004A		8F	51 D1 0005D 5\$:	CMPL	FUNCTION_CODE, #74	0802
			05 12 00064	BNEQ	6\$	
60		3E	90 00066	MOVB	#62, (XLP)	0807
		45	11 00069	BRB	11\$	
00000050		8F	51 D1 0006B 6\$:	CMPL	FUNCTION_CODE, #80	0809
			06 12 00072	BNEQ	7\$	
60	7E	8F	90 00074	MOVB	#126, (XLP)	0813
		36	11 00078	BRB	11\$	
0000004E		8F	51 D1 0007A 7\$:	CMPL	FUNCTION_CODE, #78	0815
			0A 12 00081	BNEQ	8\$	
2D		53	D1 00083	CMPL	OPERAND, #45	0816
		05	12 00086	BNEQ	8\$	
60		3D	90 00088	MOVB	#61, (XLP)	0818
		23	11 0008B	BRB	11\$	0820
60		3F	90 0008D 8\$:	MOVB	#63, (XLP)	
		1E	11 00090	BRB	11\$	0818
20		52	D1 00092 9\$:	CMPL	KHAR, #32	0839
			0E 19 00095	BLSS	10\$	
0000007E		8F	52 D1 00097	CMPL	KHAR, #126	
			05 14 0009E	BGTR	10\$	
60		52	90 000A0	MOVB	KHAR, (XLP)	0844

NDXMSG
V04-000

NDXMSG -- Dump entry as message
ENTMSG - Dump current index entry

G 11
16-Sep-1984 01:03:47
14-Sep-1984 13:07:14

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

Page 11
(4)

NC
VC

				0B 11 000A3	BRB 11\$		
		80	5E	8F 90 000A5 10\$:	MOVB #94, (XLP)+		0851
	60	52	40	8F 81 000A9	ADDB3 #64, KHAR, (XLP)		0852
				54 D6 000AE	INCL COUNT		0853
				50 D6 000B0 11\$:	INCL XLP		0844
				54 D6 000B2 12\$:	INCL COUNT		0858
FF5E	55	01	04	AC F1 000B4 13\$:	ACBL LEN, #1, I, 2\$		0753
			4010	8F BB 000BB	PUSHR #^M<R4, SP>		0867
				02 DD 000BF	PUSHL #2		
		00000000G	00	8F DD 000C1	PUSHL #DSRINDEX\$ TEXTD		
				04 FB 000C7	CALLS #4, LIB\$SIGNAL		
				04 000CE	RET		0876

: Routine Size: 207 bytes, Routine Base: \$CODE\$ + 005F

```

: 363      0877 1
: 384      0878 1 END      ! End of module
: 385      0879 0 ELUDOM

```

.EXTRN LIB\$SIGNAL

PSECT SUMMARY

Name	Bytes	Attributes
\$CODE\$	302	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]XPORT.L32;1	590	29 4	252	00:00.1

COMMAND QUALIFIERS

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

```

: Size:      302 code + 0 data bytes
: Run Time:  00:13.8
: Elapsed Time: 00:28.6
: Lines/CPU Min: 3827
: Lexemes/CPU-Min: 51783
: Memory Used: 122 pages

```

NDXMSG
V04-000

NDXMSG -- Dump entry as message
ENTMSG - Dump current index entry

H 11
16-Sep-1984 01:03:47

VAX-11 Bliss-32 V4.0-742

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; Compilation Complete

NE
VC

.....

0344 AH-BT13A-SE
VAX/VMS V4.0

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The image displays a 12x12 grid of terminal windows, each showing a different system output. The outputs are dense with text, including error messages, status reports, and data listings. Some windows contain the following text:

- NOXMSG LIS** (top row, 10th column)
- NOXOUT LIS** (top row, 11th column)
- NOXINT LIS** (middle row, 10th column)
- NOXMSG LIS** (middle row, 11th column)
- NOXOUT LIS** (middle row, 12th column)
- NOXMSG LIS** (bottom row, 10th column)
- NOXOUT LIS** (bottom row, 11th column)

Other windows show various system messages, such as "NOXMSG LIS" and "NOXOUT LIS", and some contain data listings or error messages. The text is small and difficult to read in many windows due to the high density and low resolution of the image.