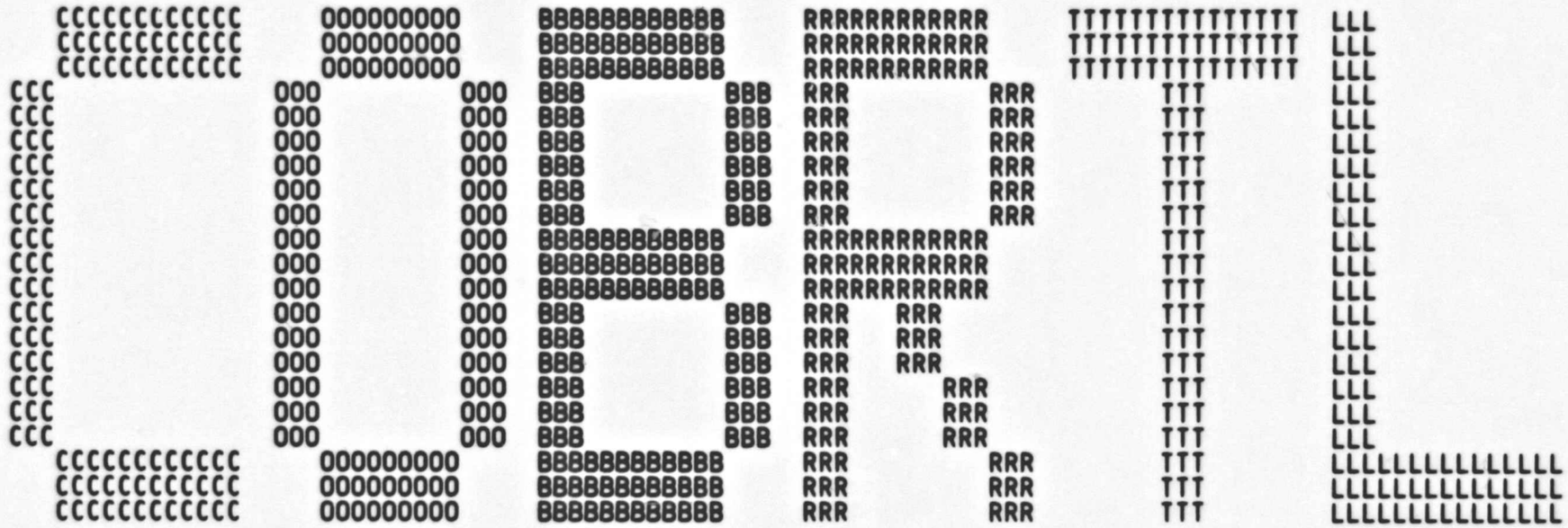
COBRA

```
  CCCCCCCC    000000    BBBBBBBB    FFFFFFFFFF    IIIIII    NN      NN  DDDDDDDD    NN      NN    AAAAAA
  CCCCCCCC    000000    BBBBBBBB    FFFFFFFFFF    IIIIII    NN      NN  DDDDDDDD    NN      NN    AAAAAA
CC          OO      OO  BB      BB  FF            II      NN      NN  DD      DD  NN      NN  AA      AA
CC          OO      OO  BB      BB  FF            II      NN      NN  DD      DD  NN      NN  AA      AA
CC          OO      OO  BB      BB  FF            II      NNNN    NN  DD      DD  NNNN    NN  AA      AA
CC          OO      OO  BB      BB  FF            II      NNNN    NN  DD      DD  NNNN    NN  AA      AA
CC          OO      OO  BBBBBBBB    FFFFFFFF      II      NN  NN  NN  DD      DD  NN  NN  NN  AA      AA
CC          OO      OO  BBBBBBBB    FFFFFFFF      II      NN  NN  NN  DD      DD  NN  NN  NN  AA      AA
CC          OO      OO  BB      BB  FF            II      NN    NNNN  DD      DD  NN    NNNN  AAAAAAAAAA
CC          OO      OO  BB      BB  FF            II      NN    NNNN  DD      DD  NN    NNNN  AAAAAAAAAA
CC          OO      OO  BB      BB  FF            II      NN      NN  DD      DD  NN      NN  AA      AA    ....
CC          OO      OO  BB      BB  FF            II      NN      NN  DD      DD  NN      NN  AA      AA    ....
  CCCCCCCC    000000    BBBBBBBB    FF          IIIIII    NN      NN  DDDDDDDD    NN      NN  AA      AA    ....
  CCCCCCCC    000000    BBBBBBBB    FF          IIIIII    NN      NN  DDDDDDDD    NN      NN  AA      AA    ....

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 MODULE COB$FIND_NAME (
;     2          0002  0                 IDENT = '1-013'         ! file: COBFINDNA.B32 EDIT:LB1013
;     3          0003  0                 ) =
;     4          0004  1 BEGIN
;     5          0005  1
;     6          0006  1 !
;     7          0007  1 !*****************************************************************************
;     8          0008  1 !*                                                                           *
;     9          0009  1 !*  COPYRIGHT (c) 1978, 1980, 1982, 1984 BY                                  *
;    10          0010  1 !*  DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS.                    *
;    11          0011  1 !*  ALL RIGHTS RESERVED.                                                     *
;    12          0012  1 !*                                                                           *
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;    14          0014  1 !*  ONLY IN  ACCORDANCE WITH  THE  TERMS  OF  SUCH  LICENSE  AND WITH THE   *
;    15          0015  1 !*  INCLUSION OF THE ABOVE COPYRIGHT NOTICE. THIS SOFTWARE OR  ANY  OTHER    *
;    16          0016  1 !*  COPIES THEREOF MAY NOT BE PROVIDED OR OTHERWISE MADE AVAILABLE TO ANY    *
;    17          0017  1 !*  OTHER PERSON.  NO TITLE TO AND OWNERSHIP OF  THE  SOFTWARE IS  HEREBY    *
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;    19          0019  1 !*                                                                           *
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;    21          0021  1 !*  AND  SHOULD  NOT  BE  CONSTRUED AS  A COMMITMENT BY DIGITAL EQUIPMENT    *
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;    23          0023  1 !*                                                                           *
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;    25          0025  1 !*  SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.                  *
;    26          0026  1 !*                                                                           *
;    27          0027  1 !*                                                                           *
;    28          0028  1 !*****************************************************************************
;    29          0029  1 !
;    30          0030  1 !
;    31          0031  1 !++
;    32          0032  1 ! FACILITY:      COBOL SUPPORT
;    33          0033  1 !
;    34          0034  1 ! ABSTRACT:      This procedure will search lists of program names for
;    35          0035  1 !                a routine name match to the name found in the input
;    36          0036  1 !                parameter "DESC".
;    37          0037  1 !
;    38          0038  1 !
;    39          0039  1 !
;    40          0040  1 ! ENVIRONMENT:   Vax-11 User Mode
;    41          0041  1 !                NOTE this module cannot be in sharable library.
;    42          0042  1 !
;    43          0043  1 ! AUTHOR: M.L.Jack , CREATION DATE: 29-JUL-1979
;    44          0044  1 !
;    45          0045  1 ! MODIFIED BY:
;    46          0046  1 !
;    47          0047  1 ! 1-001 - Original. MLJ 29-JUL-1979
;    48          0048  1 ! 1-002 - Added boilerplate and comments. RKR 18-JULY-1979
;    49          0049  1 ! 1-003 - Make LIBRARY and REQUIRE file compatible with rest of system.
;    50          0050  1 !         RKR 19-SEPT-79
;    51          0051  1 ! 1-004 - Rewrite name string analyis to catch leading space case.
;    52          0052  1 !         Current logic will return status of zero if any of the
;    53          0053  1 !         following occur:
;    54          0054  1 !                 .   Leading spaces or tabs are present in the string
;    55          0055  1 !                 .   Resulting string with trailing spaces or tabs
;    56          0056  1 !                     exceed 30 chars.
;    57          0057  1 !                 .   Resulting string cannot be found in table
```

```
;    58          0058  1 !          Imbedded spaces or tabs stop the scan the same way trailing
;    59          0059  1 !          spaces and tabs do, and will probably yield look-up failure
;    60          0060  1 !          RKR 2-OCT-79
;    61          0061  1 ! 1-005 - Revise algorithm to simply throw away leading spaces and tabs
;    62          0062  1 !          and continue scanning.  RKR 3-OCT-79
;    63          0063  1 ! 1-006 - Also allow %C'0' TO %C'9' as legal chars in name. (Oversight)
;    64          0064  1 !          RKR 04-OCT-79
;    65          0065  1 ! 1-007 - Accomodate new structure for module name data table.
;    66          0066  1 !          RKR 19-OCT-79
;    67          0067  1 ! 1-008 - Change name extraction logic to behave like GENEXTERN.B32
;    68          0068  1 !          RKR 19-OCT-79
;    69          0069  1 ! 1-009 - Add error for syntactically invalid name.  RKR 21-OCT-79
;    70          0070  1 ! 1-010 - Remove all signalling.  RKR 29-OCT-79
;    71          0071  1 ! 1-011 - Remove definition of OBJ$C_SYMSIZ.  SBL 5-Dec-1979
;    72          0072  1 ! 1-012 - Introduce a new symbol LOCAL_SYMSIZ to replace role of
;    73          0073  1 !          former symbol OBJ$C_SYMSIZ.  At sometime when the libraries
;    74          0074  1 !          are universally straightened out we can switch back to
;    75          0075  1 !          OBJ$C_SYMSIZ and allow it to be defined via library.
;    76          0076  1 !          (By the way, its value should be 31)
;    77          0077  1 !          RKR 06-DEC-79
;    78          0078  1 ! 1-013 - Added abstract, functional description, comments and made
;    79          0079  1 !          cosmetic changes.  Changed hardcoded codes for tabs and
;    80          0080  1 !          blanks into literals to enhance readability.  Also added
;    81          0081  1 !          code that checks to make sure that if a second input
;    82          0082  1 !          parameter exists, that it is non-zero.  Changed code that
;    83          0083  1 !          converted lowercase characters to uppercase characters.
;    84          0084  1 !          LB  3-MAR-81
;    85          0085  1 !
;    86          0086  1 !--
;    87          0087  1
```

```
;    89          0088  1 !+
;    90          0089  1 ! SWITCHES
;    91          0090  1 !-
;    92          0091  1
;    93          0092  1 SWITCHES ADDRESSING_MODE (EXTERNAL = GENERAL, NONEXTERNAL = WORD_RELATIVE);
;    94          0093  1
;    95          0094  1 !+
;    96          0095  1 ! LINKAGES
;    97          0096  1 !       NONE
;    98          0097  1 !-
;    99          0098  1
;   100          0099  1 !+
;   101          0100  1 ! TABLE OF CONTENTS:
;   102          0101  1 !-
;   103          0102  1
;   104          0103  1 FORWARD ROUTINE
;   105          0104  1
;   106          0105  1         COB$$FIND_NAME ;
;   107          0106  1
;   108          0107  1 !+
;   109          0108  1 ! INCLUDE FILES
;   110          0109  1 !-
;   111          0110  1
;   112          0111  1 LIBRARY 'RTLSTARLE';                           ! Contains all RTL routines
;   113          0112  1 REQUIRE 'RTLIN:COBDEF';                        ! COBOL specific RTL macros and literals
;   114          0554  1
;   115          0555  1 !+
;   116          0556  1 ! MACROS
;   117          0557  1 !       NONE
;   118          0558  1 !-
;   119          0559  1
;   120          0560  1 !+
;   121          0561  1 ! EQUATED SYMBOLS
;   122          0562  1 !-
;   123          0563  1
;   124          0564  1 LITERAL
;   125          0565  1     TRUE = 1,
;   126          0566  1     FALSE = 0,
;   127          0567  1     TAB = %O'11',                              ! TAB character
;   128          0568  1     BLANK = %O'40',                            ! BLANK character
;   129          0569  1     LOCAL_SYMSIZ = 31 ;                        ! When libraries get consistent on
;   130          0570  1                                                ! various development machines, this
;   131          0571  1                                                ! definition should be removed and
;   132          0572  1                                                ! the corresonding references in the
;   133          0573  1                                                ! code should be to the library-defined
;   134          0574  1                                                ! symbol  OBJ$C_SYMSIZ
;   135          0575  1
;   136          0576  1 !+
;   137          0577  1 ! PSECT DECLARATIONS:
;   138          0578  1 !-
;   139          0579  1
;   140          0580  1 PSECT
;   141          0581  1         GLOBAL= COB$NAMES_____1(PIC,SHARE,NOWRITE,ADDRESSING_MODE(LONG_RELATIVE));
;   142          0582  1 GLOBAL
;   143          0583  1         COB$GZ_NAMES_1: VECTOR[0];
;   144          0584  1 PSECT
;   145          0585  1         GLOBAL= COB$NAMES_____3(PIC,SHARE,NOWRITE,ADDRESSING_MODE(LONG_RELATIVE));
```

```
;  146          0586  1 GLOBAL
;  147          0587  1          COB$GZ_NAMES_2: VECTOR[0];
;  148          0588  1
;  149          0589  1
;  150          0590  1 PSECT
;  151          0591  1          CODE=   _COB$CODE(PIC,SHARE),
;  152          0592  1          PLIT=   _COB$CODE;
```

```
;  154          0593  1 GLOBAL ROUTINE COB$$FIND_NAME (DESC,LLIST)=
;  155          0594  1
;  156          0595  1 !++
;  157          0596  1 ! FUNCTIONAL DESCRIPTION:
;  158          0597  1 !
;  159          0598  1 !       This routine will search through the list of local program names
;  160          0599  1 !       to find a match to the name that is passed in the "DESC"
;  161          0600  1 !       input parameter.  If no match is found, it searches through
;  162          0601  1 !       the list of global program names (designated by the COB$GZ_NAMES_2
;  163          0602  1 !       structure).  If a match is found, then it returns a pointer to
;  164          0603  1 !       the COB$NAMES entry; otherwise, it returns a value of zero.
;  165          0604  1 !
;  166          0605  1 ! CALLING SEQUENCE:
;  167          0606  1 !
;  168          0607  1 !       COB$$FIND_NAME (desc.rt.ds, llist.rr.r)
;  169          0608  1 !
;  170          0609  1 ! FORMAL PARAMETERS:
;  171          0610  1 !
;  172          0611  1 !       DESC.rt.ds      Address of descriptor of name string
;  173          0612  1 !
;  174          0613  1 !       LLIST.rr.r      Pointer to counted list of accessible names
;  175          0614  1 !
;  176          0615  1 ! IMPLICIT INPUTS:
;  177          0616  1 !
;  178          0617  1 !       NONE
;  179          0618  1 !
;  180          0619  1 ! IMPLICIT OUTPUTS:
;  181          0620  1 !
;  182          0621  1 !       NONE
;  183          0622  1 !
;  184          0623  1 ! ROUTINE VALUE:
;  185          0624  1 !
;  186          0625  1 !       Pointer to COB$NAMES entry, or 0 if not found
;  187          0626  1 !
;  188          0627  1 ! SIDE EFFECTS:
;  189          0628  1 !
;  190          0629  1 !       NONE
;  191          0630  1 !
;  192          0631  1 !--
;  193          0632  1
;  194          0633  2     BEGIN
;  195          0634  2
;  196          0635  2       MAP
;  197          0636  2         DESC:   REF BLOCK[,BYTE],              ! Pointer to descriptor for name string
;  198          0637  2         LLIST:  REF VECTOR;                    ! Pointer to counted list of local programs
;  199          0638  2
;  200          0639  2       BUILTIN
;  201          0640  2         ACTUALCOUNT,                           !\Returns # of actual parameters
;  202          0641  2                                                !/passed to this routine
;  203          0642  2         ACTUALPARAMETER;                       !\Returns the value of the i'th
;  204          0643  2                                                !/actual parameter that was passed
;  205          0644  2
;  206          0645  2       LOCAL
;  207          0646  2         BUFFER: VECTOR[LOCAL_SYMSIZ,BYTE],     ! Buffer for input name
;  208          0647  2         NAMELENGTH,                            ! Length of input name
;  209          0648  2         NAMEPOINTER:    REF VECTOR[,BYTE],     ! Pointer to input name
;  210          0649  2         A,                                     ! Offset of first nonblank
```

```
;  211          0650  2          P: REF BLOCK [,BYTE],                    ! Pointer for seaching
;  212          0651  2          L,                                       ! Length of finished literal
;  213          0652  2          Q:      REF VECTOR[,BYTE];               ! Pointer to ASCIC name string
;  214          0653  2
;  215          0654  2      NAMELENGTH = .DESC[DSC$W_LENGTH];            ! Length of input name
;  216          0655  2      NAMEPOINTER = .DESC[DSC$A_POINTER];          ! Pointer to input name
;  217          0656  2
;  218          0657  2
;  219          0658  2
;  220          0659  2
;  221          0660  2      L = 0;                                       ! Init length of finished literal
;  222          0661  2
;  223          0662  2
;  224          0663  2      !+
;  225          0664  2      ! Strip trailing blanks and tabs.
;  226          0665  2      !-
;  227          0666  2
;  228          0667  2      DECR I FROM .NAMELENGTH-1 TO 0 DO
;  229          0668  3          BEGIN
;  230          0669  3          IF .NAMEPOINTER[.I] NEQ BLANK AND .NAMEPOINTER[.I] NEQ TAB
;  231          0670  3          THEN
;  232          0671  4              BEGIN
;  233          0672  4              L = .I + 1;                          !\Length of name without
;  234          0673  4                                                   !/trailing blanks and spaces
;  235          0674  4              EXITLOOP;                            ! Found a valid char - exit the loop
;  236          0675  3              END;
;  237          0676  2          END;
;  238          0677  2
;  239          0678  2
;  240          0679  2      IF .L EQL 0
;  241          0680  2        THEN
;  242          0681  2          RETURN 0                                 ! Invalid parameter - no input name
;  243          0682  2        ELSE
;  244          0683  3          BEGIN
;  245          0684  3
;  246          0685  3          !+
;  247          0686  3          ! Strip leading spaces and tabs.
;  248          0687  3          !-
;  249          0688  3
;  250          0689  3          A = 0;
;  251          0690  3          WHILE .NAMEPOINTER[.A] EQL BLANK OR .NAMEPOINTER[.A] EQL TAB DO
;  252          0691  4              BEGIN
;  253          0692  4              L = .L - 1;                          !\Decr name length for every
;  254          0693  4                                                   !/occurrence of blanks or tabs
;  255          0694  4              A = .A + 1;                          ! Advance the index
;  256          0695  3              END;
;  257          0696  3
;  258          0697  3
;  259          0698  3          !+
;  260          0699  3          ! Ensure that the result, with leading and trailing spaces
;  261          0700  3          ! removed, is not too long.
;  262          0701  3          !-
;  263          0702  3
;  264          0703  3          IF .L GTR LOCAL_SYMSIZ
;  265          0704  3            THEN
;  266          0705  3              RETURN 0 ;                           ! Invalid symbol name
;  267          0706  3
```

```
;  268          0707  3
;  269          0708  3          !+
;  270          0709  3          ! Now convert and check the characters for legality in the
;  271          0710  3          ! object language.  The valid characters for COBOL string names
;  272          0711  3          ! include all uppercase characters, 0-9, dollar sign ($) and
;  273          0712  3          ! underscore (_).  Note that all lowercase characters are converted
;  274          0713  3          ! to uppercase and that hyphens are converted to the underscore
;  275          0714  3          ! character.
;  276          0715  3          !-
;  277          0716  3
;  278          0717  3          INCR I FROM 0 TO .L-1 DO
;  279          0718  4            BEGIN
;  280          0719  4
;  281          0720  4              LOCAL
;  282          0721  4                C;
;  283          0722  4
;  284          0723  4              C = .NAMEPOINTER[.I+.A];
;  285          0724  4              SELECTONE .C OF
;  286          0725  4                  SET
;  287          0726  4                  [%C'-']:                          ! Convert hyphen to underscore
;  288          0727  4                    C = %C' ';
;  289          0728  4                  [%C'a' TO %C'z']:                 ! Convert lowercase to uppercase
;  290          0729  4                    C = .C - BLANK;                 ! Just substract %O'40' to get uppercase
;  291          0730  4                  [%C'A' TO %C'Z',
;  292          0731  4                   %C'0' TO %C'9',
;  293          0732  4                   %C'$', %C'_']:
;  294          0733  4                    0;                              ! Characters are valid - do nothing
;  295          0734  4                  [OTHERWISE]:                      ! Error - invalid characters
;  296          0735  4                    RETURN 0 ;
;  297          0736  4                  TES;
;  298          0737  4
;  299          0738  4          !++
;  300          0739  4          ! Complete name is copied into 'BUFFER'
;  301          0740  4          ! one character at a time.
;  302          0741  4          !--
;  303          0742  4
;  304          0743  4              BUFFER[.I] = .C
;  305          0744  3              END;
;  306          0745  2          END;
;  307          0746  2
;  308          0747  2          !+
;  309          0748  2          ! If resultant string exists, try looking it up.
;  310          0749  2          !
;  311          0750  2          ! If there is more than 1 input parameter and the second parameter
;  312          0751  2          ! is non-zero, then search through the list of local programs.
;  313          0752  2          ! Otherwise, try the list of global programs.  Note that when
;  314          0753  2          ! searching through the list of local programs and a match is not
;  315          0754  2          ! found, the default is to search through the list of global
;  316          0755  2          ! programs.
;  317          0756  2          !-
;  318          0757  2
;  319          0758  3          IF (ACTUALCOUNT() GTR 1) AND (ACTUALPARAMETER (ACTUALCOUNT()) NEQ 0)
;  320          0759  2            THEN
;  321          0760  3              INCR I FROM 1 TO .LLIST[0] DO
;  322          0761  3                BEGIN
;  323          0762  3                P = .LLIST[.I];                     ! Fetch addr of name entry block
;  324          0763  3                Q = .P[COB$A_NAM_NAME];             ! Fetch 1st byte of counted name string
```

```
;  325          0764  3              IF .Q[0] EQL .L                                 ! If length matches
;  326          0765  3                THEN
;  327          0766  4                  BEGIN
;  328          0767  4                  IF CH$EQL (.L,Q[1], .L, BUFFER)         ! If string matches
;  329          0768  4                    THEN
;  330          0769  4                      RETURN .P                           ! Return addr of this name entry block
;  331          0770  4                    ELSE
;  332          0771  4                      0                                   ! No match occurred
;  333          0772  3                  END;
;  334          0773  2              END;
;  335          0774  2
;  336          0775  2          !+
;  337          0776  2          ! Now look for global programs.  Note that
;  338          0777  2          ! COB$GZ_NAMES_1 points to the beginning of the
;  339          0778  2          ! COB$GZ_NAMES_2 structure while COB$GZ_NAMES_2
;  340          0779  2          ! points to the end of the structure.
;  341          0780  2          !-
;  342          0781  2
;  343          0782  2          P = COB$GZ_NAMES_1 ;                                ! 1st (if any) entry
;  344          0783  2          WHILE .P LSSA COB$GZ_NAMES_2 DO
;  345          0784  3              BEGIN
;  346          0785  3                  Q = .P[COB$A_NAM_NAME] ;                 ! Ptr to 1st byte of counted name string
;  347          0786  3                  IF .Q[0] EQL .L                          ! If length matches
;  348          0787  3                    THEN
;  349          0788  4                      BEGIN
;  350          0789  4                          IF CH$EQL (.L, Q[1], .L, BUFFER ) ! If string matches
;  351          0790  4                            THEN
;  352          0791  4                              RETURN .P                   ! Retn addr of this name entry block
;  353          0792  4                            ELSE
;  354          0793  4                              0                           ! No match found
;  355          0794  3                      END ;
;  356          0795  3                  P = .P + .P[COB$L_NAM_LENT] ;           ! Advance to next entry
;  357          0796  2              END ;
;  358          0797  2          RETURN 0;
;  359          0798  2
;  360          0799  1      END ;                                                   ! End of routine COB$$FIND_NAME


                                                        .TITLE  COB$FIND_NAME
                                                        .IDENT  \1-013\

                                                        .PSECT  COB$NAMES_____3,NOWRT,NOEXE,  SHR,  PIC,2

                                              00000 COB$GZ_NAMES_2::
                                                        .BLKB   0

                                                        .PSECT  COB$NAMES_____1,NOWRT,NOEXE,  SHR,  PIC,2

                                              00000 COB$GZ_NAMES_1::
                                                        .BLKB   0


                                                        .PSECT  _COB$CODE,NOWRT,  SHR,  PIC,2

                                                00FC 00000      .ENTRY  COB$$FIND_NAME, Save R2,R3,R4,R5,R6,R7      ; 0593
                                    5E          20  C2 00002      SUBL2   #32, SP                                     ;
```

```
                        51      04    AC  D0 00005          MOVL    DESC, R1                                ; 0654
                        50            61  3C 00009          MOVZWL  (R1), NAMELENGTH                        ;
                        52      04    A1  D0 0000C          MOVL    4(R1), NAMEPOINTER                      ; 0655
                                      54  D4 00010          CLRL    L                                       ; 0660
                                      12  11 00012          BRB     2$                                      ; 0669
                        20          6042  91 00014 1$:      CMPB    (I)[NAMEPOINTER], #32                   ;
                                      0C  13 00018          BEQL    2$                                      ;
                        09          6042  91 0001A          CMPB    (I)[NAMEPOINTER], #9                    ;
                                      06  13 0001E          BEQL    2$                                      ;
                        54      01    A0  9E 00020          MOVAB   1(R0), L                                ; 0672
                                      03  11 00024          BRB     3$                                      ; 0671
                        EB            50  F4 00026 2$:      SOBGEQ  I, 1$                                   ; 0667
                                      54  D5 00029 3$:      TSTL    L                                       ; 0679
                                      03  12 0002B          BNEQ    5$                                      ;
                                    00D5  31 0002D 4$:      BRW     22$                                     ;
                                      53  D4 00030 5$:      CLRL    A                                       ; 0689
                        20          6342  91 00032 6$:      CMPB    (A)[NAMEPOINTER], #32                   ; 0690
                                      06  13 00036          BEQL    7$                                      ;
                        09          6342  91 00038          CMPB    (A)[NAMEPOINTER], #9                    ;
                                      06  12 0003C          BNEQ    8$                                      ;
                                      54  D7 0003E 7$:      DECL    L                                       ; 0692
                                      53  D6 00040          INCL    A                                       ; 0694
                                      EE  11 00042          BRB     6$                                      ; 0690
                        1F            54  D1 00044 8$:      CMPL    L, #31                                  ; 0703
                                      E4  14 00047          BGTR    4$                                      ;
                        50            01  CE 00049          MNEGL   #1, I                                   ; 0723
                                      58  11 0004C          BRB     15$                                     ;
                51      50            53  C1 0004E 9$:      ADDL3   A, I, R1                                ;
                        51          6142  9A 00052          MOVZBL  (R1)[NAMEPOINTER], C                    ;
                        2D            51  D1 00056          CMPL    C, #45                                  ; 0726
                                      06  12 00059          BNEQ    10$                                     ;
                        51      5F    8F  9A 0005B          MOVZBL  #95, C                                  ; 0727
                                      41  11 0005F          BRB     14$                                     ;
                00000061  8F          51  D1 00061 10$:     CMPL    C, #97                                  ; 0728
                                      0E  19 00068          BLSS    11$                                     ;
                0000007A  8F          51  D1 0006A          CMPL    C, #122                                 ;
                                      05  14 00071          BGTR    11$                                     ;
                        51            20  C2 00073          SUBL2   #32, C                                  ; 0729
                                      2A  11 00076          BRB     14$                                     ;
                        24            51  D1 00078 11$:     CMPL    C, #36                                  ; 0730
                                      25  13 0007B          BEQL    14$                                     ;
                        30            51  D1 0007D          CMPL    C, #48                                  ;
                                      05  19 00080          BLSS    12$                                     ;
                        39            51  D1 00082          CMPL    C, #57                                  ;
                                      1B  15 00085          BLEQ    14$                                     ;
                00000041  8F          51  D1 00087 12$:     CMPL    C, #65                                  ;
                                      09  19 0008E          BLSS    13$                                     ;
                0000005A  8F          51  D1 00090          CMPL    C, #90                                  ;
                                      09  15 00097          BLEQ    14$                                     ;
                0000005F  8F          51  D1 00099 13$:     CMPL    C, #95                                  ;
                                      63  12 000A0          BNEQ    22$                                     ;
                              6E40    51  90 000A2 14$:     MOVB    C, BUFFER[I]                            ; 0743
                A4              50    54  F2 000A6 15$:     AOBLSS  L, I, 9$                                ;
                                01    6C  91 000AA          CMPB    (AP), #1                                ; 0758
                                      28  1B 000AD          BLEQU   18$                                     ;
                        50            6C  9A 000AF          MOVZBL  (AP), R0                                ;
                                    6C40  D5 000B2          TSTL    (AP)[R0]                                ;
```

```
                                                20  13 000B5           BEQL    18$                                     ;
                                                56  D4 000B7           CLRL    I                                       ; 0764
                                                17  11 000B9           BRB     17$                                     ;
                                    55      08 BC46  D0 000BB 16$:      MOVL    @LLIST[I], P                            ; 0762
                                    57      04   A5  D0 000C0           MOVL    4(P), Q                                 ; 0763
            54          67          08           00  ED 000C4           CMPZV   #0, #8, (Q), L                          ; 0764
                                                07  12 000C9           BNEQ    17$                                     ;
                        6E      01  A7           54  29 000CB           CMPC3   L, 1(Q), BUFFER                         ; 0767
                                                2A  13 000D0           BEQL    20$                                     ;
                        E4          56      08   BC  F3 000D2 17$:      AOBLEQ  @LLIST, I, 16$                          ; 0760
                                    55 00000000' EF  9E 000D7 18$:      MOVAB   COB$GZ_NAMES_1, P                       ; 0782
                                    50 00000000' EF  9E 000DE 19$:      MOVAB   COB$GZ_NAMES_2, R0                      ; 0783
                                    50           55  D1 000E5           CMPL    P, R0                                   ;
                                                1B  1E 000E8           BGEQU   22$                                     ;
                                    57      04   A5  D0 000EA           MOVL    4(P), Q                                 ; 0785
            54          67          08           00  ED 000EE           CMPZV   #0, #8, (Q), L                          ; 0786
                                                0B  12 000F3           BNEQ    21$                                     ;
                        6E      01  A7           54  29 000F5           CMPC3   L, 1(Q), BUFFER                         ; 0789
                                                04  12 000FA           BNEQ    21$                                     ;
                                    50           55  D0 000FC 20$:      MOVL    P, R0                                   ; 0791
                                                04  000FF              RET                                             ;
                                    55           65  C0 00100 21$:      ADDL2   (P), P                                  ; 0795
                                                D9  11 00103           BRB     19$                                     ; 0783
                                                50  D4 00105 22$:      CLRL    R0                                      ; 0799
                                                    04 00107           RET                                             ;

; Routine Size:  264 bytes,    Routine Base:  _COB$CODE + 0000

;  361          0800  1 END
;  362          0801  0 ELUDOM


;                                   PSECT SUMMARY
;
;      Name                         Bytes                          Attributes
;
;  COB$NAMES_____1                      0  NOVEC,NOWRT,  RD ,NOEXE,  SHR,  LCL,  REL,  CON,  PIC,ALIGN(2)
;  COB$NAMES_____3                      0  NOVEC,NOWRT,  RD ,NOEXE,  SHR,  LCL,  REL,  CON,  PIC,ALIGN(2)
;  _COB$CODE                          264  NOVEC,NOWRT,  RD ,  EXE,  SHR,  LCL,  REL,  CON,  PIC,ALIGN(2)


;                               Library Statistics
;
;                                        -------- Symbols --------      Pages       Processing
;      File                              Total    Loaded   Percent      Mapped      Time
;
;  _$255$DUA28:[SYSLIB]STARLET.L32;1      9776         2         0         581        00:00.8
```

```
;                                       COMMAND QUALIFIERS

;       BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/NOTRACE/LIS=LIS$:COBFINDNA/OBJ=OBJ$:COBFINDNA MSRC$:COBFINDNA/UPDATE=(ENH$:COBFINDNA
;       )

; Size:          264 code + 0 data bytes
; Run Time:        00:05.9
; Elapsed Time:    00:20.9
; Lines/CPU Min:    8145
; Lexemes/CPU-Min: 22942
; Memory Used:  119 pages
; Compilation Complete
```

COBDIVQ
LIS

COBFINDNA
LIS

COBDBEXCE
LIS

COBEXPI
LIS

COBDEEDIT
LIS

COBDISPLA
LIS

COBESCGEN
LIS

COBERROR
LIS

COBDHANDL
LIS

COBPAUSE
LIS

COBMSG
LIS

COBHANDLE
LIS

COBINTAR
LIS

COBINTER
LIS

COBMULQ
LIS

COBPOSERA
LIS

COBIOEXCE
LIS

COBLINAGE
LIS

COBKEY
LIS

COBINVUSE
LIS