changes to: (VARS FORMATTINGFNSCOMS)
(FNS CALL.OTHERPARA CALL.HEAD CALL.1DIAGRAM CALL.2DIAGRAM CALL.3DIAGRAM CALL.4DIAGRAM
     CALL.5DIAGRAM CALL.6DIAGRAM TOP10.PAGELAYOUT TOP10.CALLNAME-STYLE TOP10.CALLDEFN-STYLE
     TOP10.NO-STYLE TOP10.NOTEHEAD-STYLE TOP10.NOTE-STYLE TOP10.DIAGRAM-STYLE TOP10.INIT
     TOP10-DIAGRAM-CHAR-STYLE TOP10-CALLTITLE-CHAR-STYLE TOP10-MAINPARA-CHAR-STYLE
     TOP10-NOTETITLE-CHAR-STYLE TOP10-NOTE-CHAR-STYLE TOP10-BIG-STYLES TOP10-PRINT-STYLES
     XPS.COVER.PARA CRAM-DOC FILE-TO-WP CHC TEDIT.EXTERNAL.FORM TEDIT.EXT.PARALOOKS
     TEDIT.EXT.CHARLOOKS TEDIT.EXT.OBJECT SPELLING-CORRECT)

```
;;
;; Copyright (c) 1987, 1988 by Xerox Corporation.  All rights reserved.


(RPAQQ FORMATTINGFNSCOMS
       (;; Support for TOP-10 '87 edition formatting
        (FNS CALL.HEAD CALL.OTHERPARA CALL.1DIAGRAM CALL.2DIAGRAM CALL.3DIAGRAM CALL.4DIAGRAM CALL.5DIAGRAM
             CALL.6DIAGRAM TOP10.PAGELAYOUT TOP10.CALLNAME-STYLE TOP10.CALLDEFN-STYLE TOP10.NO-STYLE
             TOP10.NOTEHEAD-STYLE TOP10.NOTE-STYLE TOP10.DIAGRAM-STYLE TOP10.INIT)
        (COMS ;; Support for character styles used in the Top10 mss.
              (FNS TOP10-DIAGRAM-CHAR-STYLE TOP10-CALLTITLE-CHAR-STYLE TOP10-MAINPARA-CHAR-STYLE
                   TOP10-NOTETITLE-CHAR-STYLE TOP10-NOTE-CHAR-STYLE)
              (FUNCTIONS TOP10-APPLY-CHAR-STYLE)
              ;; Initial style definitions:
              (GLOBALVARS *TOP10-DIAGRAM-CHAR-STYLE-SPEC* *TOP10-CALLTITLE-CHAR-STYLE-SPEC*
                     *TOP10-MAINPARA-CHAR-STYLE-SPEC* *TOP10-NOTE-CHAR-STYLE-SPEC*
                     *TOP10-DIAGRAM-CHAR-STYLE-SPEC* *TOP10-NOTETITLE-CHAR-STYLE-SPEC*)
              ;; ALists for converting charlooks to styled looks.  Reset these lists to enforce new styles:
              (GLOBALVARS *TOP10-DIAGRAM-CHAR-STYLE-ALIST* *TOP10-CALLTITLE-CHAR-STYLE-ALIST*
                     *TOP10-MAINPARA-CHAR-STYLE-ALIST* *TOP10-NOTE-CHAR-STYLE-ALIST*
                     *TOP10-DIAGRAM-CHAR-STYLE-ALIST* *TOP10-NOTETITLE-CHAR-STYLE-ALIST*)
              ;;  Fns for changing to readable sizes:
              (FNS TOP10-BIG-STYLES TOP10-PRINT-STYLES)
              ;; Initialize the styles:
              (P (TOP10-BIG-STYLES)))
        (FNS XPS.COVER.PARA)
                                                  ; From XPSEDIT formatter.
        (FNS CRAM-DOC FILE-TO-WP CHC)
                                                  ; For converting from WP format on PC
        (FNS TEDIT.EXTERNAL.FORM TEDIT.EXT.PARALOOKS TEDIT.EXT.CHARLOOKS TEDIT.EXT.OBJECT)
                                                  ; For writing a WP-able version of TEdit files.
        (FNS SPELLING-CORRECT)
                                                  ; For fixing common errors in TOP10 documents.
        [VARS (*TOP10-FILES* '(Front-Back>Inner-Cover.TEDIT Front-Back>Introduction.TEDIT
                                      Front-Back>TOP10-CONTENTS.TEDIT FREQUENCY.TEDIT
                                      DICTIONARIES>DICT-PREFACE.TEDIT DICTIONARIES>MSDICT-A-G.TEDIT
                                      DICTIONARIES>MSDICT-H-P.TEDIT DICTIONARIES>MSDICT-R-S.TEDIT
                                      DICTIONARIES>MSDICT-T-Z.TEDIT DICTIONARIES>PLUSDICT.TEDIT
                                      DICTIONARIES>ADV-PREFACE.TEDIT DICTIONARIES>ADVDICT-A-M.TEDIT
                                      DICTIONARIES>ADVDICT-N-Z.TEDIT DICTIONARIES>C1-PREFACE.TEDIT
                                      DICTIONARIES>C1DEFNS-A-H.TEDIT DICTIONARIES>C1DEFNS-I-R.TEDIT
                                      DICTIONARIES>C1DEFNS-S.TEDIT DICTIONARIES>C1DEFNS-T-Z.TEDIT
                                      DICTIONARIES>C2DEFNS-A-E.TEDIT DICTIONARIES>C2DEFNS-F-O.TEDIT
                                      >DICTIONARIES>C2DEFNS-P-S.TEDIT DICTIONARIES>C2DEFNS-T-Z.TEDIT
                                      FRA>FORMATION-DICT.TEDIT FRA>ARRANGEMENTS.TEDIT FRA>FRA.TEDIT
                                      FRA>ARRANGE-2FLINES.TEDIT FRA>ARRANGE-8CHAIN.TEDIT
                                      FRA>ARRANGE-DIAMOND.TEDIT FRA>ARRANGE-LINES.TEDIT FRA>ARRANGE-QTAG.TEDIT
                                      FRA>ARRANGE-WAVES.TEDIT))
               (*TOP10-ERIS-FILES* '({ERIS}<SYBALSKY>TOP10-87>TOP10-CONTENTS.TEDIT
                                             {ERIS}<SYBALSKY>TOP10-87>FREQUENCY.TEDIT
                                             {ERIS}<SYBALSKY>TOP10-87>DICTIONARIES>DICT-PREFACE.TEDIT
                                             {ERIS}<SYBALSKY>TOP10-87>DICTIONARIES>MSDICT-A-G.TEDIT
                                             {ERIS}<SYBALSKY>TOP10-87>DICTIONARIES>MSDICT-H-P.TEDIT
                                             {ERIS}<SYBALSKY>TOP10-87>DICTIONARIES>MSDICT-R-S.TEDIT
                                             {ERIS}<SYBALSKY>TOP10-87>DICTIONARIES>MSDICT-T-Z.TEDIT
                                             {ERIS}<SYBALSKY>TOP10-87>DICTIONARIES>PLUSDICT.TEDIT
                                             {ERIS}<SYBALSKY>TOP10-87>DICTIONARIES>ADV-PREFACE.TEDIT
                                             {ERIS}<SYBALSKY>TOP10-87>DICTIONARIES>ADVDICT-A-M.TEDIT
                                             {ERIS}<SYBALSKY>TOP10-87>DICTIONARIES>ADVDICT-N-Z.TEDIT
                                             {ERIS}<SYBALSKY>TOP10-87>DICTIONARIES>C1-PREFACE.TEDIT
                                             {ERIS}<SYBALSKY>TOP10-87>DICTIONARIES>C1DEFNS-A-H.TEDIT
                                             {ERIS}<SYBALSKY>TOP10-87>DICTIONARIES>C1DEFNS-I-R.TEDIT
```

```
                                        {ERIS}<SYBALSKY>TOP10-87>DICTIONARIES>C1DEFNS-S.TEDIT
                                        {ERIS}<SYBALSKY>TOP10-87>DICTIONARIES>C1DEFNS-T-Z.TEDIT
                                        {ERIS}<SYBALSKY>TOP10-87>DICTIONARIES>C2DEFNS-A-E.TEDIT
                                        {ERIS}<SYBALSKY>TOP10-87>DICTIONARIES>C2DEFNS-F-O.TEDIT
                                        {ERIS}<SYBALSKY>TOP10-87>DICTIONARIES>C2DEFNS-P-S.TEDIT
                                        {ERIS}<SYBALSKY>TOP10-87>DICTIONARIES>C2DEFNS-T-Z.TEDIT
                                        {ERIS}<SYBALSKY>TOP10-87>FRA>FORMATION-DICT.TEDIT
                                        {ERIS}<SYBALSKY>TOP10-87>FRA>ARRANGEMENTS.TEDIT
                                        {ERIS}<SYBALSKY>TOP10-87>FRA>FRA.TEDIT
                                        {ERIS}<SYBALSKY>TOP10-87>FRA>ARRANGE-2FLINES.TEDIT
                                        {ERIS}<SYBALSKY>TOP10-87>FRA>ARRANGE-8CHAIN.TEDIT
                                        {ERIS}<SYBALSKY>TOP10-87>FRA>ARRANGE-DIAMOND.TEDIT
                                        {ERIS}<SYBALSKY>TOP10-87>FRA>ARRANGE-LINES.TEDIT
                                        {ERIS}<SYBALSKY>TOP10-87>FRA>ARRANGE-QTAG.TEDIT
                                        {ERIS}<SYBALSKY>TOP10-87>FRA>ARRANGE-WAVES.TEDIT))
              (*TOP10-ERIS-PART1* '({ERIS}<SYBALSKY>TOP10-87>TOP10-CONTENTS.TEDIT
                                        {ERIS}<SYBALSKY>TOP10-87>FREQUENCY.TEDIT
                                        {ERIS}<SYBALSKY>TOP10-87>DICTIONARIES>DICT-PREFACE.TEDIT
                                        {ERIS}<SYBALSKY>TOP10-87>DICTIONARIES>MSDICT-A-G.TEDIT
                                        {ERIS}<SYBALSKY>TOP10-87>DICTIONARIES>MSDICT-H-P.TEDIT
                                        {ERIS}<SYBALSKY>TOP10-87>DICTIONARIES>MSDICT-R-S.TEDIT
                                        {ERIS}<SYBALSKY>TOP10-87>DICTIONARIES>MSDICT-T-Z.TEDIT
                                        {ERIS}<SYBALSKY>TOP10-87>DICTIONARIES>PLUSDICT.TEDIT
                                        {ERIS}<SYBALSKY>TOP10-87>DICTIONARIES>ADV-PREFACE.TEDIT
                                        {ERIS}<SYBALSKY>TOP10-87>DICTIONARIES>ADVDICT-A-M.TEDIT
                                        {ERIS}<SYBALSKY>TOP10-87>DICTIONARIES>ADVDICT-N-Z.TEDIT))
              (*TOP10-ERIS-PART2* '({ERIS}<SYBALSKY>TOP10-87>DICTIONARIES>C1-PREFACE.TEDIT
                                        {ERIS}<SYBALSKY>TOP10-87>DICTIONARIES>C1DEFNS-A-H.TEDIT
                                        {ERIS}<SYBALSKY>TOP10-87>DICTIONARIES>C1DEFNS-I-R.TEDIT
                                        {ERIS}<SYBALSKY>TOP10-87>DICTIONARIES>C1DEFNS-S.TEDIT
                                        {ERIS}<SYBALSKY>TOP10-87>DICTIONARIES>C1DEFNS-T-Z.TEDIT
                                        {ERIS}<SYBALSKY>TOP10-87>DICTIONARIES>C2DEFNS-A-E.TEDIT
                                        {ERIS}<SYBALSKY>TOP10-87>DICTIONARIES>C2DEFNS-F-O.TEDIT
                                        {ERIS}<SYBALSKY>TOP10-87>DICTIONARIES>C2DEFNS-P-S.TEDIT
                                        {ERIS}<SYBALSKY>TOP10-87>DICTIONARIES>C2DEFNS-T-Z.TEDIT
                                        ERISS}<SYBALSKY>CALENDAR.DATABASEATION-DICT.TEDIT
                                        {ERIS}<SYBALSKY>TOP10-87>FRA>ARRANGEMENTS.TEDIT
                                        {ERIS}<SYBALSKY>TOP10-87>FRA>FRA.TEDIT
                                        {ERIS}<SYBALSKY>TOP10-87>FRA>ARRANGE-2FLINES.TEDIT
                                        {ERIS}<SYBALSKY>TOP10-87>FRA>ARRANGE-8CHAIN.TEDIT
                                        {ERIS}<SYBALSKY>TOP10-87>FRA>ARRANGE-DIAMOND.TEDIT
                                        {ERIS}<SYBALSKY>TOP10-87>FRA>ARRANGE-LINES.TEDIT
                                        {ERIS}<SYBALSKY>TOP10-87>FRA>ARRANGE-QTAG.TEDIT
                                        {ERIS}<SYBALSKY>TOP10-87>FRA>ARRANGE-WAVES.TEDIT]
        (P (TEDIT.SETFUNCTION (CHARCODE "##^S")
                (FUNCTION SPELLING-CORRECT)))
```

;;; Page layout of 3, 3x5 cards per page with heading and 2 columns per card.

```
        [VARS (TOP10-FRAMES (TEDIT.PARSE.PAGEFRAMES '(LIST ((PAGE NIL (PAPERSIZE Letter LANDSCAPE? T FOLIOINFO
                                                                (ARABIC "—" "—"))
                                            (0 0 612 792)
                                            ((FOLIO NIL
                                                    (PARALOOKS (QUAD CENTERED)
                                                            CHARLOOKS
                                                            (SUPERSCRIPT 0 INVISIBLE OFF
                                                                    SELECTPOINT OFF
                                                                    PROTECTED OFF SIZE 6
                                                                    FAMILY OPTIMA OVERLINE
                                                                    OFF STRIKEOUT OFF
                                                                    UNDERLINE OFF EXPANSION
                                                                    REGULAR SLOPE ITALIC
                                                                    WEIGHT BOLD INVERTED OFF
                                                                    USERINFO NIL STYLE NIL)
                                                            FORMATINFO
                                                            (ARABIC "—" "—"))
                                                    (108 36 288 36)
                                                    NIL)
                                            (TEXT NIL NIL (36 36 210 540)
                                                    NIL)
                                            (TEXT NIL NIL (258 36 210 540)
                                                    NIL)))
                                    (PAGE NIL (PAPERSIZE Letter LANDSCAPE? T FOLIOINFO
                                                                (ARABIC "—" "—"))
                                            (0 0 612 792)
                                            ((FOLIO NIL
                                                    (PARALOOKS (QUAD CENTERED)
                                                            CHARLOOKS
                                                            (SUPERSCRIPT 0 INVISIBLE OFF
                                                                    SELECTPOINT OFF
                                                                    PROTECTED OFF SIZE 6
                                                                    FAMILY OPTIMA OVERLINE
                                                                    OFF STRIKEOUT OFF
                                                                    UNDERLINE OFF EXPANSION
                                                                    REGULAR SLOPE ITALIC
                                                                    WEIGHT BOLD INVERTED OFF
```

```
                                                              USERINFO NIL STYLE NIL)
                                                         FORMATINFO
                                                         (ARABIC "—" "—"))
                                               (108 36 288 36)
                                               NIL)
                                         (TEXT NIL NIL (36 36 210 540)
                                               NIL)
                                         (TEXT NIL NIL (258 36 210 540)
                                               NIL)))
                                   (PAGE NIL (PAPERSIZE Letter LANDSCAPE? T FOLIOINFO
                                                   (ERISIC "—" "—"))
                                         (0 0 612 792)
                                         ((FOLIO NIL
                                                 (PARALOOKS (QUAD CENTERED)
                                                  CHARLOOKS
                                                  (SUPERSCRIPT 0 INVISIBLE OFF
                                                          SELECTPOINT OFF
                                                          PROTECTED OFF SIZE 6
                                                          FAMILY OPTIMA OVERLINE
                                                          OFF STRIKEOUT OFF
                                                          UNDERLINE OFF EXPANSION
                                                          REGULAR SLOPE ITALIC
                                                          WEIGHT BOLD INVERTED OFF
                                                          USERINFO NIL STYLE NIL)
                                                 FORMATINFO
                                                 (ARABIC "—" "—"))
                                               (108 36 288 36)
                                               NIL)
                                         (TEXT NIL NIL (36 36 210 540)
                                               NIL)
                                         (TEXT NIL NIL (258 36 210 540)
                                               NIL]
          (P (TOP10.INIT))
          (PROP FILETYPE FORMATTINGFNS)))
```

;; Support for TOP-10 '87 edition formatting

```
(DEFINEQ
```

(**CALL.HEAD**
```
  [LAMBDA (TEXTSTREAM TEXTOBJ SEL)                                    ; Edited 15-Mar-88 01:38 by Sybalsky

    ;; Impose the style for the paragraph that heads a call definition.

    (XPS.COVER.PARA TEXTOBJ SEL)                                      ; Make sure the whole paragraph is selected.
    (LET* ((TEXTOBJ (TEXTOBJ TEXTSTREAM))
           (CH# (fetch CH# of SEL))
           (CHLIM (fetch CHLIM of SEL)))
          (TEDIT.PARALOOKS TEXTOBJ
                  '(HARDCOPY NIL KEEP NIL HEADINGKEEP OFF NEWPAGEAFTER NIL NEWPAGEBEFORE NIL SUBTYPE NIL TYPE NIL
                          SPECIALY 0 SPECIALX 0 USERINFO NIL CHARSTYLES NIL STYLE NIL TABS (60 (581 . LEFT))
                          BASETOBASE NIL LINELEADING 0 POSTPARALEADING 0 PARALEADING 6 RIGHTMARGIN 210 LEFTMARGIN
                          0 1STLEFTMARGIN 0 QUAD JUSTIFIED)
                  SEL])
```

(**CALL.OTHERPARA**
```
  [LAMBDA (TEXTSTREAM TEXTOBJ SEL)                                    ; Edited 22-Mar-88 18:18 by

    ;; Impose the style for paragrazphs in the body of a call definition.

    (XPS.COVER.PARA TEXTOBJ SEL)                                      ; Make sure the whole paragraph is selected.
    (PROG* ((TEXTOBJ (TEXTOBJ TEXTSTREAM))
            (CH# (fetch CH# of SEL))
            (CHLIM (fetch CHLIM of SEL)))
           (TEDIT.PARALOOKS TEXTOBJ
                   '(HARDCOPY NIL KEEP NIL HEADINGKEEP OFF NEWPAGEAFTER NIL NEWPAGEBEFORE NIL SUBTYPE NIL TYPE
                           NIL SPECIALY 0 SPECIALX 0 USERINFO NIL CHARSTYLES NIL STYLE NIL TABS NIL BASETOBASE
                           NIL LINELEADING 0 POSTPARALEADING 0 PARALEADING 2 RIGHTMARGIN 210 LEFTMARGIN 0
                           1STLEFTMARGIN 0 QUAD JUSTIFIED])
```

(**CALL.1DIAGRAM**
```
  [LAMBDA (TEXTSTREAM TEXTOBJ SEL)                                    ; Edited 14-Oct-87 11:52 by jds

    ;; Impose the style for a single-picture diagram paragraph:  Centered.

    (XPS.COVER.PARA TEXTOBJ SEL)                                      ; Make sure the whole paragraph is selected.
    (PROG* ((TEXTOBJ (TEXTOBJ TEXTSTREAM))
            (CH# (fetch CH# of SEL))
            (CHLIM (fetch CHLIM of SEL)))
           (TEDIT.PARALOOKS TEXTOBJ
                   '(HARDCOPY NIL KEEP NIL HEADINGKEEP OFF NEWPAGEAFTER NIL NEWPAGEBEFORE NIL SUBTYPE NIL TYPE
                           NIL SPECIALY 0 SPECIALX 0 USERINFO NIL CHARSTYLES NIL STYLE NIL TABS NIL BASETOBASE
                           NIL LINELEADING 0 POSTPARALEADING 0 PARALEADING 0 RIGHTMARGIN 210 LEFTMARGIN 0
                           1STLEFTMARGIN 0 QUAD CENTERED])
```

(**CALL.2DIAGRAM**
```
  [LAMBDA (TEXTSTREAM TEXTOBJ SEL)                                    ; Edited 14-Oct-87 11:54 by jds
```

```
    ;; Impose the style for a single-picture diagram paragraph:  Centered.
    (XPS.COVER.PARA TEXTOBJ SEL)                                      ; Make sure the whole paragraph is selected.
    (PROG* ((TEXTOBJ (TEXTOBJ TEXTSTREAM))
            (CH# (fetch CH# of SEL))
            (CHLIM (fetch CHLIM of SEL)))
           (TEDIT.PARALOOKS TEXTOBJ
                  '(HARDCOPY NIL KEEP NIL HEADINGKEEP OFF NEWPAGEAFTER NIL NEWPAGEBEFORE NIL SUBTYPE NIL TYPE
                          NIL SPECIALY 0 SPECIALX 0 USERINFO NIL CHARSTYLES NIL STYLE NIL TABS
                          (60 (66 . CENTERED)
                              (144 . CENTERED))
                          BASETOBASE NIL LINELEADING 0 POSTPARALEADING 0 PARALEADING 3 RIGHTMARGIN 210
                          LEFTMARGIN 0 1STLEFTMARGIN 0 QUAD JUSTIFIED])
```

(**CALL.3DIAGRAM**
```
  [LAMBDA (TEXTSTREAM TEXTOBJ SEL)                                    ; Edited 14-Oct-87 11:55 by jds

    ;; Impose the style for a 3-picture diagram paragraph:  Centered.

    (XPS.COVER.PARA TEXTOBJ SEL)                                      ; Make sure the whole paragraph is selected.
    (PROG* ((TEXTOBJ (TEXTOBJ TEXTSTREAM))
            (CH# (fetch CH# of SEL))
            (CHLIM (fetch CHLIM of SEL)))
           (TEDIT.PARALOOKS TEXTOBJ
                  '(HARDCOPY NIL KEEP NIL HEADINGKEEP OFF NEWPAGEAFTER NIL NEWPAGEBEFORE NIL SUBTYPE NIL TYPE
                          NIL SPECIALY 0 SPECIALX 0 USERINFO NIL CHARSTYLES NIL STYLE NIL TABS
                          (60 (36 . CENTERED)
                              (108 . CENTERED)
                              (174 . CENTERED))
                          BASETOBASE NIL LINELEADING 0 POSTPARALEADING 0 PARALEADING 3 RIGHTMARGIN 210
                          LEFTMARGIN 0 1STLEFTMARGIN 0 QUAD JUSTIFIED])
```

(**CALL.4DIAGRAM**
```
  [LAMBDA (TEXTSTREAM TEXTOBJ SEL)                                    ; Edited 17-Dec-87 15:33 by jds

    ;; Impose the style for a single-picture diagram paragraph:  Centered.

    (XPS.COVER.PARA TEXTOBJ SEL)                                      ; Make sure the whole paragraph is selected.
    (PROG* ((TEXTOBJ (TEXTOBJ TEXTSTREAM))
            (CH# (fetch CH# of SEL))
            (CHLIM (fetch CHLIM of SEL)))
           (TEDIT.PARALOOKS TEXTOBJ
                  '(REVISED NIL HARDCOPY NIL KEEP NIL HEADINGKEEP OFF NEWPAGEAFTER NIL NEWPAGEBEFORE NIL SUBTYPE
                          NIL TYPE NIL SPECIALY 0 SPECIALX 0 USERINFO NIL CHARSTYLES NIL STYLE NIL TABS
                          (60 (18 . CENTERED)
                              (72 . CENTERED)
                              (126 . CENTERED)
                              (174 . CENTERED)
                              (581 . LEFT))
                          BASETOBASE NIL LINELEADING 0 POSTPARALEADING 0 PARALEADING 0 RIGHTMARGIN 210
                          LEFTMARGIN 0 1STLEFTMARGIN 0 QUAD LEFT])
```

(**CALL.5DIAGRAM**
```
  [LAMBDA (TEXTSTREAM TEXTOBJ SEL)                                    ; Edited  5-Jan-88 13:25 by jds

    ;; Impose the style for a single-picture diagram paragraph:  Centered.

    (XPS.COVER.PARA TEXTOBJ SEL)                                      ; Make sure the whole paragraph is selected.
    (PROG* ((TEXTOBJ (TEXTOBJ TEXTSTREAM))
            (CH# (fetch CH# of SEL))
            (CHLIM (fetch CHLIM of SEL)))
           (TEDIT.PARALOOKS TEXTOBJ
                  '(REVISED NIL HARDCOPY NIL KEEP NIL HEADINGKEEP OFF NEWPAGEAFTER NIL NEWPAGEBEFORE NIL SUBTYPE
                          NIL TYPE NIL SPECIALY 0 SPECIALX 0 USERINFO NIL CHARSTYLES NIL STYLE NIL TABS
                          (60 (24 . CENTERED)
                              (66 . CENTERED)
                              (108 . CENTERED)
                              (150 . CENTERED)
                              (192 . CENTERED))
                          BASETOBASE NIL LINELEADING 0 POSTPARALEADING 0 PARALEADING 1 RIGHTMARGIN 210
                          LEFTMARGIN 0 1STLEFTMARGIN 0 QUAD LEFT])
```

(**CALL.6DIAGRAM**
```
  [LAMBDA (TEXTSTREAM TEXTOBJ SEL)                                    ; Edited 17-Dec-87 16:20 by jds

    ;; Impose the style for a single-picture diagram paragraph:  Centered.

    (XPS.COVER.PARA TEXTOBJ SEL)                                      ; Make sure the whole paragraph is selected.
    (PROG* ((TEXTOBJ (TEXTOBJ TEXTSTREAM))
            (CH# (fetch CH# of SEL))
            (CHLIM (fetch CHLIM of SEL)))
           (TEDIT.PARALOOKS TEXTOBJ
                  '(REVISED NIL HARDCOPY NIL KEEP NIL HEADINGKEEP OFF NEWPAGEAFTER NIL NEWPAGEBEFORE NIL SUBTYPE
                          NIL TYPE NIL SPECIALY 0 SPECIALX 0 USERINFO NIL CHARSTYLES NIL STYLE NIL TABS
                          (60 (18 . CENTERED)
                              (42 . CENTERED)
                              (78 . CENTERED)
```

```
                                      (120 . CENTERED)
                                      (156 . CENTERED)
                                      (186 . CENTERED)
                                      (581 . LEFT))
                           BASETOBASE NIL LINELEADING 0 POSTPARALEADING 0 PARALEADING 1 RIGHTMARGIN 210
                           LEFTMARGIN 0 1STLEFTMARGIN 0 QUAD JUSTIFIED])
```

⟨**TOP10.PAGELAYOUT**
```
  [LAMBDA (TEXTSTREAM TEXTOBJ SEL)                                    ; Edited 14-Oct-87 12:03 by jds
```

;;; Impose page layout on a TOP-10 '87 file. 2-column, set up for 7 x 8.5 pages with 1/2" top and bottom..

```
    (TEDIT.PAGEFORMAT TEXTSTREAM TOP10-FRAMES])
```

⟨**TOP10.CALLNAME-STYLE**
```
  [LAMBDA (TEXTSTREAM TEXTOBJ SEL)                                    ; Edited 23-Dec-87 11:40 by jds
```
    ;; Impose the CHARACTER style for call titles.
```
    (TEDIT.LOOKS TEXTOBJ '(STYLE TOP10-CALLTITLE-CHAR-STYLE])
```

⟨**TOP10.CALLDEFN-STYLE**
```
  [LAMBDA (TEXTSTREAM TEXTOBJ SEL)                                    ; Edited 23-Dec-87 11:41 by jds
```
    ;; Impose the CHARACTER style for call titles.
```
    (TEDIT.LOOKS TEXTOBJ '(STYLE TOP10-MAINPARA-CHAR-STYLE])
```

⟨**TOP10.NO-STYLE**
```
  [LAMBDA (TEXTSTREAM TEXTOBJ SEL)                                    ; Edited  5-Jan-88 12:26 by jds
```
    ;; Remove any character styling.
```
    (TEDIT.LOOKS TEXTOBJ '(STYLE NIL])
```

⟨**TOP10.NOTEHEAD-STYLE**
```
  [LAMBDA (TEXTSTREAM TEXTOBJ SEL)                                    ; Edited 23-Dec-87 11:41 by jds
```
    ;; Impose the CHARACTER style for call titles.
```
    (TEDIT.LOOKS TEXTOBJ '(STYLE TOP10-NOTETITLE-CHAR-STYLE])
```

⟨**TOP10.NOTE-STYLE**
```
  [LAMBDA (TEXTSTREAM TEXTOBJ SEL)                                    ; Edited 23-Dec-87 11:41 by jds
```
    ;; Impose the CHARACTER style for call titles.
```
    (TEDIT.LOOKS TEXTOBJ '(STYLE TOP10-NOTE-CHAR-STYLE])
```

⟨**TOP10.DIAGRAM-STYLE**
```
  [LAMBDA (TEXTSTREAM TEXTOBJ SEL)                                    ; Edited 23-Dec-87 11:41 by jds
```
    ;; Impose the CHARACTER style for call titles.
```
    (TEDIT.LOOKS TEXTOBJ '(STYLE TOP10-DIAGRAM-CHAR-STYLE])
```

⟨**TOP10.INIT**
```
  [LAMBDA NIL                                                        ; Edited  5-Jan-88 12:26 by jds
```
;;; Attach TOP-10 formatting operations to META- command keys
    ;; Meta-digits format diagrams of corresponding size:
```
    (TEDIT.SETFUNCTION (CHARCODE %##1)
          (FUNCTION CALL.1DIAGRAM))
    (TEDIT.SETFUNCTION (CHARCODE %##2)
          (FUNCTION CALL.2DIAGRAM))
    (TEDIT.SETFUNCTION (CHARCODE %##3)
          (FUNCTION CALL.3DIAGRAM))
    (TEDIT.SETFUNCTION (CHARCODE %##4)
          (FUNCTION CALL.4DIAGRAM))
    (TEDIT.SETFUNCTION (CHARCODE %##5)
          (FUNCTION CALL.5DIAGRAM))
    (TEDIT.SETFUNCTION (CHARCODE %##6)
          (FUNCTION CALL.6DIAGRAM))
```
    ;; META-A formats a CALL DEFINITION heading
```
    (TEDIT.SETFUNCTION (CHARCODE %##A)
          (FUNCTION CALL.HEAD))
    (TEDIT.SETFUNCTION (CHARCODE %##a)
          (FUNCTION CALL.HEAD))
```
    ;; META-S formatsother paragraphs:
```
    (TEDIT.SETFUNCTION (CHARCODE %##S)
          (FUNCTION CALL.OTHERPARA))
    (TEDIT.SETFUNCTION (CHARCODE %##s)
```

```
                    (FUNCTION CALL.OTHERPARA))
```
;; META-G will set the page layout for a NEW TOP10 FILE:
```
(TEDIT.SETFUNCTION (CHARCODE %##G)
        (FUNCTION TOP10.PAGELAYOUT))
(TEDIT.SETFUNCTION (CHARCODE %##g)
        (FUNCTION TOP10.PAGELAYOUT))
```
;; Meta Q W E R T set char styles for

;; Q - call name
```
(TEDIT.SETFUNCTION (CHARCODE %##q)
        (FUNCTION TOP10.CALLNAME-STYLE))
(TEDIT.SETFUNCTION (CHARCODE %##Q)
        (FUNCTION TOP10.CALLNAME-STYLE))
```
;; W - Call defn body
```
(TEDIT.SETFUNCTION (CHARCODE %##w)
        (FUNCTION TOP10.CALLDEFN-STYLE))
(TEDIT.SETFUNCTION (CHARCODE %##W)
        (FUNCTION TOP10.CALLDEFN-STYLE))
```
;; E - Note Head
```
(TEDIT.SETFUNCTION (CHARCODE %##e)
        (FUNCTION TOP10.NOTEHEAD-STYLE))
(TEDIT.SETFUNCTION (CHARCODE %##E)
        (FUNCTION TOP10.NOTEHEAD-STYLE))
```
;; R - Note body
```
(TEDIT.SETFUNCTION (CHARCODE %##r)
        (FUNCTION TOP10.NOTE-STYLE))
(TEDIT.SETFUNCTION (CHARCODE %##R)
        (FUNCTION TOP10.NOTE-STYLE))
```
;; T - diagram captions
```
(TEDIT.SETFUNCTION (CHARCODE %##t)
        (FUNCTION TOP10.DIAGRAM-STYLE))
(TEDIT.SETFUNCTION (CHARCODE %##T)
        (FUNCTION TOP10.DIAGRAM-STYLE))
```
;; SPACE - turns off all styling.
```
(TEDIT.SETFUNCTION (CHARCODE %##SPACE)
        (FUNCTION TOP10.NO-STYLE])
```

```
)
```

;; Support for character styles used in the Top10 mss.

```
(DEFINEQ
```

(**TOP10-DIAGRAM-CHAR-STYLE**
```
  [LAMBDA (LOOKS PC TEXTOBJ)                                              ; Edited 15-Mar-88 00:57 by Sybalsky
```
    ;; Character Style function for Top10 diagrams -- sets the font always to the proper size & weigth.
```
      (TOP10-APPLY-CHAR-STYLE LOOKS PC TEXTOBJ *TOP10-DIAGRAM-CHAR-STYLE-SPEC* *TOP10-DIAGRAM-CHAR-STYLE-ALIST*])
```

(**TOP10-CALLTITLE-CHAR-STYLE**
```
  [LAMBDA (LOOKS PC TEXTOBJ)                                              ; Edited 15-Mar-88 00:57 by Sybalsky
```
    ;; Character Style function for Top10 call titles -- sets the font always to the proper size & weigth.
```
      (TOP10-APPLY-CHAR-STYLE LOOKS PC TEXTOBJ *TOP10-CALLTITLE-CHAR-STYLE-SPEC*
          *TOP10-CALLTITLE-CHAR-STYLE-ALIST*])
```

(**TOP10-MAINPARA-CHAR-STYLE**
```
  [LAMBDA (LOOKS PC TEXTOBJ)                                              ; Edited 15-Mar-88 00:58 by Sybalsky
```
    ;; Character Style function for Top10 main-definition paragraphs -- sets the font always to the proper size & weigth.
```
      (TOP10-APPLY-CHAR-STYLE LOOKS PC TEXTOBJ *TOP10-MAINPARA-CHAR-STYLE-SPEC* *TOP10-MAINPARA-CHAR-STYLE-ALIST*
          ])
```

(**TOP10-NOTETITLE-CHAR-STYLE**
```
  [LAMBDA (LOOKS PC TEXTOBJ)                                              ; Edited 15-Mar-88 00:59 by Sybalsky
```
    ;; Character Style function for Top10 note para title run-in heads. -- sets the font always to the proper size & weigth.
```
      (TOP10-APPLY-CHAR-STYLE LOOKS PC TEXTOBJ *TOP10-NOTETITLE-CHAR-STYLE-SPEC*
          *TOP10-NOTETITLE-CHAR-STYLE-ALIST*])
```

(**TOP10-NOTE-CHAR-STYLE**
```
  [LAMBDA (LOOKS PC TEXTOBJ)                                              ; Edited 15-Mar-88 00:51 by Sybalsky
```
    ;; Character Style function for Top10 notes -- sets the font always to the proper size & weigth.
```
      (TOP10-APPLY-CHAR-STYLE LOOKS PC TEXTOBJ *TOP10-NOTE-CHAR-STYLE-SPEC* *TOP10-NOTE-CHAR-STYLE-ALIST*])
```

```
)


(DEFMACRO TOP10-APPLY-CHAR-STYLE (LOOKS PIECE TEXTOBJ STYLE-SPEC STYLE-ALIST)
    ;; For applying character styles in a style function.

    `[COND
        ((CDR (ASSOC ,LOOKS ,STYLE-ALIST))                                    ; There's a cached value.  Use it.

          )
        (T                                                                    ; No cached value, create one, and cache it.
            (CL:PUSH (CONS ,LOOKS (\TEDIT.PARSE.CHARLOOKS.LIST ,STYLE-SPEC ,LOOKS ,TEXTOBJ))
                   ,STYLE-ALIST)
            (CDR (ASSOC ,LOOKS ,STYLE-ALIST])
```

;; Initial style definitions:

```
(DECLARE%: DOEVAL@COMPILE DONTCOPY

(GLOBALVARS *TOP10-DIAGRAM-CHAR-STYLE-SPEC* *TOP10-CALLTITLE-CHAR-STYLE-SPEC* *TOP10-MAINPARA-CHAR-STYLE-SPEC*
      *TOP10-NOTE-CHAR-STYLE-SPEC* *TOP10-DIAGRAM-CHAR-STYLE-SPEC* *TOP10-NOTETITLE-CHAR-STYLE-SPEC*)
)
```

;; ALists for converting charlooks to styled looks. Reset these lists to enforce new styles:

```
(DECLARE%: DOEVAL@COMPILE DONTCOPY

(GLOBALVARS *TOP10-DIAGRAM-CHAR-STYLE-ALIST* *TOP10-CALLTITLE-CHAR-STYLE-ALIST*
      *TOP10-MAINPARA-CHAR-STYLE-ALIST* *TOP10-NOTE-CHAR-STYLE-ALIST* *TOP10-DIAGRAM-CHAR-STYLE-ALIST*
      *TOP10-NOTETITLE-CHAR-STYLE-ALIST*)
)
```

;; Fns for changing to readable sizes:

```
(DEFINEQ

(TOP10-BIG-STYLES
  [LAMBDA NIL                                                               ; Edited 15-Mar-88 00:45 by Sybalsky

    ;; Set all Top10 styles to be readable size.

    (SETQ *TOP10-CALLTITLE-CHAR-STYLE-SPEC* '(FAMILY OPTIMA SIZE 10))
    (SETQ *TOP10-MAINPARA-CHAR-STYLE-SPEC* '(FAMILY OPTIMA SIZE 10))
    (SETQ *TOP10-NOTE-CHAR-STYLE-SPEC* '(FAMILY OPTIMA SIZE 10))
    (SETQ *TOP10-NOTETITLE-CHAR-STYLE-SPEC* '(FAMILY OPTIMA SIZE 10))
    (SETQ *TOP10-DIAGRAM-CHAR-STYLE-SPEC* '(FAMILY OPTIMA SIZE 6 WEIGHT BOLD UNDERLINE OFF))
    (SETQ *TOP10-DIAGRAM-CHAR-STYLE-ALIST* NIL)
    (SETQ *TOP10-CALLTITLE-CHAR-STYLE-ALIST* NIL)
    (SETQ *TOP10-MAINPARA-CHAR-STYLE-ALIST* NIL)
    (SETQ *TOP10-NOTE-CHAR-STYLE-ALIST* NIL)
    (SETQ *TOP10-DIAGRAM-CHAR-STYLE-ALIST* NIL)
    (SETQ *TOP10-NOTETITLE-CHAR-STYLE-ALIST* NIL])


(TOP10-PRINT-STYLES
  [LAMBDA NIL                                                               ; Edited 15-Mar-88 00:45 by Sybalsky

    ;; Set all top10 styles to their rendering sizes for printing.

    (SETQ *TOP10-CALLTITLE-CHAR-STYLE-SPEC* '(FAMILY OPTIMA SIZE 9 WEIGHT BOLD UNDERLINE OFF))
    (SETQ *TOP10-MAINPARA-CHAR-STYLE-SPEC* '(FAMILY OPTIMA SIZE 9))
    (SETQ *TOP10-NOTE-CHAR-STYLE-SPEC* '(FAMILY OPTIMA SIZE 7))
    (SETQ *TOP10-NOTETITLE-CHAR-STYLE-SPEC* '(FAMILY OPTIMA SIZE 7 WEIGHT BOLD))
    (SETQ *TOP10-DIAGRAM-CHAR-STYLE-SPEC* '(FAMILY OPTIMA SIZE 6 WEIGHT BOLD UNDERLINE OFF))
    (SETQ *TOP10-DIAGRAM-CHAR-STYLE-ALIST* NIL)
    (SETQ *TOP10-CALLTITLE-CHAR-STYLE-ALIST* NIL)
    (SETQ *TOP10-MAINPARA-CHAR-STYLE-ALIST* NIL)
    (SETQ *TOP10-NOTE-CHAR-STYLE-ALIST* NIL)
    (SETQ *TOP10-DIAGRAM-CHAR-STYLE-ALIST* NIL)
    (SETQ *TOP10-NOTETITLE-CHAR-STYLE-ALIST* NIL)
    (SETQ *DANCER-FONT-SIZE* 10])

)
```

;; Initialize the styles:

```
(TOP10-BIG-STYLES)

(DEFINEQ

(XPS.COVER.PARA
  [LAMBDA (TEXTOBJ SEL)                                                     (* jds "20-Nov-85 15:20")

            (* Assure that SEL covers a span of WHOLE paragraphs. Expand it to do so, if need be.)

    (PROG [[CH1 (CAR (\TEDIT.PARABOUNDS TEXTOBJ (fetch CH# of SEL]
          (CHLIM (CDR (\TEDIT.PARABOUNDS TEXTOBJ (SUB1 (fetch CHLIM of SEL]
```

```
            (TEDIT.SETSEL TEXTOBJ CH1 (ADD1 (IDIFFERENCE CHLIM CH1]))
)
```

;; From XPSEDIT formatter.

```
(DEFINEQ
```

(**CRAM-DOC**
```
  [LAMBDA (FILE OUTFILE)                                                   ; Edited 28-Dec-87 12:42 by jds
```

```
    ;; Take one ovf Bill's editor files and make it readable to me

    (LET (CH CH2)
        (CL:WITH-OPEN-FILE (IN FILE)
              (CL:WITH-OPEN-STREAM (OUT (OPENSTREAM OUTFILE 'OUTPUT 'NEW))
                   (while (NOT (EOFP IN)) do (SETQ CH (BIN IN))
                                        (SELECTQ CH
                                           (12           ; "New Column"
                                               (BOUT OUT (CHARCODE CR)))
                                           (140          ; Some variant on first-column?
                                               (BOUT OUT (CHARCODE CR)))
                                           ((156 175 135 131)
                                                          ; Not sure what this does.
                                                          ; Bold-on?
                                               )
                                           ((169 170)   ; N dash
                                               (BOUT OUT (CHARCODE -)))
                                           (13 (BOUT OUT (CHARCODE SPACE)))
                                           (220          ; Skip to next 12 on input file, insert CR in output file.
                                               (repeatwhile (CL:/= CH 220) do (SETQ CH (BIN IN))))
                                           (225          ; Skip to next 10 in input, insert CR in output
                                               (BIN IN)
                                               (BIN IN)
                                               (BOUT OUT (CHARCODE -)))
                                           (236          ; Skip to next 135 in input, insert CR in output.
                                               (SETQ CH2 (BIN IN))
                                               (BIN IN)
                                               (BIN IN))
                                           (10           ; LF is para  sseparator
                                               (BOUT OUT (CHARCODE CR)))
                                           (169 (BOUT OUT (CHARCODE -)))
                                           (96           ; open dbl quote
                                               (COND
                                                  ((= (\PEEKBIN IN)
                                                      96)
                                                   (BIN IN)
                                                   (BOUT OUT 170))))
                                           (39           ; close dbl quote
                                               (COND
                                                  ((= (\PEEKBIN IN)
                                                      39)
                                                   (BIN IN)
                                                   (BOUT OUT 186))))
                                           (124          ; 1/2
                                               (BOUT OUT 189))
                                           (123          ; 1/4
                                               (BOUT OUT 188))
                                           (125          ; 3/4
                                               (BOUT OUT 190))
                                           (BOUT OUT CH])
```

(**FILE-TO-WP**
```
  [LAMBDA (FILE OFILE)                                                     ; Edited 11-Dec-87 16:29 by jds
    (LET ((TS (OPENTEXTSTREAM FILE)))
        (CL:WITH-OPEN-STREAM (OUT (OPEN OFILE :DIRECTION :OUTPUT :IF-EXISTS :NEW-VERSION))
              (TEDIT.EXTERNAL.FORM (TEXTOBJ TS)
                      OUT))
        (CLOSEF TS])
```

(**CHC**
```
  [LAMBDA (STREAM TEXTOBJ SEL)                                             ; Edited  4-Dec-87 11:32 by jds
    (LET ((STR (TEDIT.SEL.AS.STRING STREAM SEL)))
        (PRINTOUT TT (CHCON STR)
             T T])
)
```

;; For converting from WP format on PC

```
(DEFINEQ
```

(**TEDIT.EXTERNAL.FORM**
```
  [LAMBDA (TEXTOBJ OFILE UNFORMATTED? SEPARATEFORMAT)                      ; Edited 11-Dec-87 16:18 by jds
```

    ;; Put a representation of the piece table onto OFILE, preserving font changes and paragraph looks. UNFORMATTED? means write no font or

```
      ;; formatting info.
      (PROG (OCURSOR CH PC PFILE PSTR POBJ OFILELEN OLDLOOKS (OLDPARALOOKS (fetch FMTSPEC of TEXTOBJ))
                  (*READTABLE* *TEDIT-FILE-READTABLE*)
                  (*PRINT-BASE* 10)
                  OLDCH# CURCH# PREVPC FONTFILE (PCCOUNT 0)
                  TRUEFILE CHARLOOKSLST PARALOOKSLST (TEDIT.PUT.FINISHEDFORMS NIL)
                  (EDITSTENTATIVE (TEXTPROP TEXTOBJ 'TEDIT.TENTATIVE))
                  (PARALOOKSSEEN NIL)
                  (FORMATTINGLEVEL (TEDIT.FORMATTEDFILEP TEXTOBJ))
                  (CACHE (TEXTPROP TEXTOBJ 'CACHE))
                  CH#S PREVFATP PARAHASH LOOKSHASH PREVPREVPC)
          (replace (STREAM LINELENGTH) of OFILE with MAX.SMALLP)         ; Prevent spurious carriage-returns in the piece descriptions.
      (SETQ PC (\EDITELT (fetch PCTB of TEXTOBJ)
                      (ADD1 \FirstPieceOffset)))                         ; First piece in the document
      (SETQ OLDLOOKS (create CHARLOOKS))                                 ; Starting looks
      (\TEDIT.FLUSH.UNUSED.LOOKS TEXTOBJ PC)                             ; Run thru the lists of char & para looks and remove any that
                                                                        ; aren't in use

      (COND
          ([AND (fetch TXTPARALOOKSLIST of TEXTOBJ)
              (OR (IGREATERP (FLENGTH (fetch TXTPARALOOKSLIST of TEXTOBJ))
                          1)
                  (NOT (EQFMTSPEC (CAR (fetch TXTPARALOOKSLIST of TEXTOBJ))
                              TEDIT.DEFAULT.FMTSPEC]

          ;; There are paragraph looks in this document that don't match the default -- save the list of them for later retrieval.

          (SETQ PARAHASH (TEDIT.EXT.PARALOOKS OFILE (fetch TXTPARALOOKSLIST of TEXTOBJ)))
          (SETQ PARALOOKSSEEN T)))
      [COND
          ((OR PARALOOKSSEEN FORMATTINGLEVEL)

          ;; There are character looks in this document that don't match the default (or paragraph formatting, which forces looks to be saved) --
          ;; save the list for later retrieval.                              ; Open a font-info file if one is needed.
          (SETQ LOOKSHASH (TEDIT.EXT.CHARLOOKS OFILE (fetch TXTCHARLOOKSLIST of TEXTOBJ]
      (while PC do [COND
                  ([AND (NOT (ZEROP (fetch PLEN of PC)))
                      (NOT (EQCLOOKS OLDLOOKS (fetch PLOOKS of PC]
                  [OR LOOKSHASH (SETQ LOOKSHASH (TEDIT.EXT.CHARLOOKS OFILE (fetch TXTCHARLOOKSLIST
                                                                          of TEXTOBJ]
                  (CL:FORMAT OFILE "@F(~D)" (GETHASH (fetch PLOOKS of PC)
                                              LOOKSHASH))
                  (SETQ OLDLOOKS (fetch PLOOKS of PC]
              (COND
                  ([AND (NOT (ZEROP (fetch PLEN of PC)))
                      (OR (NOT PREVPC)
                          (fetch PPARALAST of PREVPC))
                      (OR PARALOOKSSEEN (NOT (EQFMTSPEC (fetch PPARALOOKS of PC)
                                              (fetch FMTSPEC of TEXTOBJ]
                                              ; The last piece ended a paragraph, so send out new para looks
                  (CL:FORMAT OFILE "@P(~D)" (GETHASH (fetch PPARALOOKS of PC)
                                              PARAHASH))
                  (SETQ PARALOOKSSEEN T)                                 ; Remember that we've seen a foreign paralooks, and must
                                                                        ; henceforth note para boundaries

                  ))
              (COND
                  ((fetch POBJ of PC)                                   ; It's an object -- go use its PUTFN
                  (TEDIT.EXT.OBJECT OFILE (fetch (PIECE POBJ) of PC))
                                                                        ; Send out the object

                  ))
              ;; Now dump out the non-object contents of the piece:

              (COND
                  ((AND PREVPC PC (EQ (fetch PFATP of PREVPC)
                                      (fetch PFATP of PC)))
                                                                        ; Nothing further to do.

                  )
                  [(AND PREVPC (fetch PFATP of PREVPC))
                  (COND
                      ((fetch PFATP of PC))
                      (T                                                ; Switching from FAT to thin
                          (BOUT OFILE 255)
                          (BOUT OFILE 0]
                  ((fetch PFATP of PC)                                  ; Switching from thin to fat
                  (BOUT OFILE 255)
                  (BOUT OFILE 255)
                  (BOUT OFILE 0)))
              [COND
                  [(SETQ PFILE (fetch PFILE of PC))                     ; It's on a file.  Copy it.
                  [OR (OPENP PFILE)
                      (replace PFILE of PC with (SETQ PFILE (\TEDIT.REOPEN.STREAM TEXTOBJ PFILE]
                                                                        ; Make sure the file is open.
                  (COPYBYTES PFILE OFILE (fetch PFPOS of PC)
                          (IPLUS (fetch PFPOS of PC)
                                  (COND
                                      ((fetch PFATP of PC)              ; For fat file pieces, copy twice as many bytes as characters.
```

```
                                                (UNFOLD (fetch PLEN of PC)
                                                      2))
                                                (T (fetch PLEN of PC]
                        ((SETQ PSTR (fetch PSTR of PC))          ; It's in a string.  Just print it.
                          (COND
                            [(fetch PFATP of PC)                 ; The string is fat: Copy twice as many bytes as chars.
                             (for I from 1 to (fetch PLEN of PC) as CH instring PSTR
                                do (\BOUT OFILE (\CHARSET CH))
                                      (\BOUT OFILE (\CHAR8CODE CH]
                            (T                                   ; The string is thin.  Just copy it to the file.
                              (for I from 1 to (fetch PLEN of PC) as CH instring PSTR
                                    do (\BOUT OFILE CH]
                        (SETQ PREVPC PC)
                        (SETQ PC (fetch NEXTPIECE of PC]
```

(**TEDIT.EXT.PARALOOKS**

```
  [LAMBDA (FILE LOOKSLIST)                                  ; Edited 10-Dec-87 10:04 by jds
                                                            ; Write the list of FMTSPECs into the font file.

    (PROG ((LOOKSHASH (HASHARRAY 50)))
          (PRIN1 "(PARAGRAPH-LOOKS " FILE)
          (for I from 1 as LOOKS in LOOKSLIST do (PRIN1 (\TEDIT.UNPARSE.PARALOOKS.LIST LOOKS)
                                                  FILE)     ; Write out the description
                                                (PUTHASH LOOKS I LOOKSHASH)
                                                            ; And save it in the hash table so people can find its index.
                                                )

          (PRIN1 ")

                  " FILE)
          (RETURN LOOKSHASH])
```

(**TEDIT.EXT.CHARLOOKS**

```
  [LAMBDA (FILE LOOKSLIST)                                  ; Edited 10-Dec-87 09:41 by jds

    ;; Write the list of CHARLOOKSs into the font file.

    ;; Returns a hasharray that will map from a given CHARLOOKS to that CHARLOOKS' position in the list we wrote on the file.  Those position
    ;; numbers are then written in the individual looks descriptions, and are used to reconstruct the piece looks when the file is read back in.

    (PROG ((LOOKSHASH (HASHARRAY 50)))                      ; How many CHARLOOKSs there are in the list
          (PRIN1 "(FONTS " FILE)
          (for I from 1 as LOOKS in LOOKSLIST do           ; Write each charlooks, in the order they appear in the list.
                                                (PRIN1 (\TEDIT.UNPARSE.CHARLOOKS.LIST LOOKS)
                                                  FILE)     ; Write out the description
                                                (PUTHASH LOOKS I LOOKSHASH)
                                                            ; And save it in the hash table so people can find its index.
                                                )

          (PRIN1 ")

                  " FILE)
          (RETURN LOOKSHASH])
```

(**TEDIT.EXT.OBJECT**

```
  [LAMBDA (FILE OBJECT)                                     ; Edited 11-Dec-87 15:22 by jds
    (LET (PLIST)
        (SELECTQ (fetch (IMAGEFNS DISPLAYFN) of (fetch (IMAGEOBJ IMAGEOBJFNS) of OBJECT))
            (DANCEROBJ.DISPLAYFN
                (SETQ PLIST (COPY (fetch (IMAGEOBJ IMAGEOBJPLIST) of OBJECT)))
                [COND
                    ((LISTGET PLIST 'BOUNDBOX)              ; Remove the boundbox property
                      (SETQ PLIST (LDIFFERENCE PLIST (LIST 'BOUNDBOX (LISTGET PLIST 'BOUNDBOX]
                (PRINTOUT FILE "@PIC" PLIST))
            (HELP "UNKNOWN OBJECT TYPE"])
)
```

;; For writing a WP-able version of TEdit files.

(DEFINEQ

(**SPELLING-CORRECT**

```
  [LAMBDA (TEXTOBJ)                                         ; Edited 15-Mar-88 00:09 by Sybalsky
    (LET ((TEXTOBJ (TEXTOBJ TEXTOBJ))
            CORRECTION-LIST)
        (CL:WITH-OPEN-FILE (IN "{DSK}<LISPFILES>TOP10-87>ADMIN>SPELLING-CORRECTION-LIST" :DIRECTION :INPUT)
            (SETQ CORRECTION-LIST (READ IN)))
        (for CORRECTION in CORRECTION-LIST do (TEDIT.SETSEL TEXTOBJ 1 (fetch (TEXTOBJ TEXTLEN) of TEXTOBJ)
                                                NIL NIL)
                                              (TEDIT.SUBSTITUTE TEXTOBJ (CAR CORRECTION)
                                                (CADR CORRECTION)
                                                NIL])
)
```

;; For fixing common errors in TOP10 documents.

```
(RPAQQ *TOP10-FILES*
        (Front-Back>Inner-Cover.TEDIT Front-Back>Introduction.TEDIT Front-Back>TOP10-CONTENTS.TEDIT
                FREQUENCY.TEDIT DICTIONARIES>DICT-PREFACE.TEDIT DICTIONARIES>MSDICT-A-G.TEDIT
                DICTIONARIES>MSDICT-H-P.TEDIT DICTIONARIES>MSDICT-R-S.TEDIT DICTIONARIES>MSDICT-T-Z.TEDIT
                DICTIONARIES>PLUSDICT.TEDIT DICTIONARIES>ADV-PREFACE.TEDIT DICTIONARIES>ADVDICT-A-M.TEDIT
                DICTIONARIES>ADVDICT-N-Z.TEDIT DICTIONARIES>C1-PREFACE.TEDIT DICTIONARIES>C1DEFNS-A-H.TEDIT
                DICTIONARIES>C1DEFNS-I-R.TEDIT DICTIONARIES>C1DEFNS-S.TEDIT DICTIONARIES>C1DEFNS-T-Z.TEDIT
                DICTIONARIES>C2DEFNS-A-E.TEDIT DICTIONARIES>C2DEFNS-F-O.TEDIT >DICTIONARIES>C2DEFNS-P-S.TEDIT
                DICTIONARIES>C2DEFNS-T-Z.TEDIT FRA>FORMATION-DICT.TEDIT FRA>ARRANGEMENTS.TEDIT FRA>FRA.TEDIT
                FRA>ARRANGE-2FLINES.TEDIT FRA>ARRANGE-8CHAIN.TEDIT FRA>ARRANGE-DIAMOND.TEDIT
                FRA>ARRANGE-LINES.TEDIT FRA>ARRANGE-QTAG.TEDIT FRA>ARRANGE-WAVES.TEDIT))

(RPAQQ *TOP10-ERIS-FILES* ({ERIS}<SYBALSKY>TOP10-87>TOP10-CONTENTS.TEDIT {ERIS}<SYBALSKY>TOP10-87>FREQUENCY.TEDIT
                                {ERIS}<SYBALSKY>TOP10-87>DICTIONARIES>DICT-PREFACE.TEDIT
                                {ERIS}<SYBALSKY>TOP10-87>DICTIONARIES>MSDICT-A-G.TEDIT
                                {ERIS}<SYBALSKY>TOP10-87>DICTIONARIES>MSDICT-H-P.TEDIT
                                {ERIS}<SYBALSKY>TOP10-87>DICTIONARIES>MSDICT-R-S.TEDIT
                                {ERIS}<SYBALSKY>TOP10-87>DICTIONARIES>MSDICT-T-Z.TEDIT
                                {ERIS}<SYBALSKY>TOP10-87>DICTIONARIES>PLUSDICT.TEDIT
                                {ERIS}<SYBALSKY>TOP10-87>DICTIONARIES>ADV-PREFACE.TEDIT
                                {ERIS}<SYBALSKY>TOP10-87>DICTIONARIES>ADVDICT-A-M.TEDIT
                                {ERIS}<SYBALSKY>TOP10-87>DICTIONARIES>ADVDICT-N-Z.TEDIT
                                {ERIS}<SYBALSKY>TOP10-87>DICTIONARIES>C1-PREFACE.TEDIT
                                {ERIS}<SYBALSKY>TOP10-87>DICTIONARIES>C1DEFNS-A-H.TEDIT
                                {ERIS}<SYBALSKY>TOP10-87>DICTIONARIES>C1DEFNS-I-R.TEDIT
                                {ERIS}<SYBALSKY>TOP10-87>DICTIONARIES>C1DEFNS-S.TEDIT
                                {ERIS}<SYBALSKY>TOP10-87>DICTIONARIES>C1DEFNS-T-Z.TEDIT
                                {ERIS}<SYBALSKY>TOP10-87>DICTIONARIES>C2DEFNS-A-E.TEDIT
                                {ERIS}<SYBALSKY>TOP10-87>DICTIONARIES>C2DEFNS-F-O.TEDIT
                                {ERIS}<SYBALSKY>TOP10-87>DICTIONARIES>C2DEFNS-P-S.TEDIT
                                {ERIS}<SYBALSKY>TOP10-87>DICTIONARIES>C2DEFNS-T-Z.TEDIT
                                {ERIS}<SYBALSKY>TOP10-87>FRA>FORMATION-DICT.TEDIT
                                {ERIS}<SYBALSKY>TOP10-87>FRA>ARRANGEMENTS.TEDIT
                                {ERIS}<SYBALSKY>TOP10-87>FRA>FRA.TEDIT
                                {ERIS}<SYBALSKY>TOP10-87>FRA>ARRANGE-2FLINES.TEDIT
                                {ERIS}<SYBALSKY>TOP10-87>FRA>ARRANGE-8CHAIN.TEDIT
                                {ERIS}<SYBALSKY>TOP10-87>FRA>ARRANGE-DIAMOND.TEDIT
                                {ERIS}<SYBALSKY>TOP10-87>FRA>ARRANGE-LINES.TEDIT
                                {ERIS}<SYBALSKY>TOP10-87>FRA>ARRANGE-QTAG.TEDIT
                                {ERIS}<SYBALSKY>TOP10-87>FRA>ARRANGE-WAVES.TEDIT))

(RPAQQ *TOP10-ERIS-PART1* ({ERIS}<SYBALSKY>TOP10-87>TOP10-CONTENTS.TEDIT {ERIS}<SYBALSKY>TOP10-87>FREQUENCY.TEDIT
                                {ERIS}<SYBALSKY>TOP10-87>DICTIONARIES>DICT-PREFACE.TEDIT
                                {ERIS}<SYBALSKY>TOP10-87>DICTIONARIES>MSDICT-A-G.TEDIT
                                {ERIS}<SYBALSKY>TOP10-87>DICTIONARIES>MSDICT-H-P.TEDIT
                                {ERIS}<SYBALSKY>TOP10-87>DICTIONARIES>MSDICT-R-S.TEDIT
                                {ERIS}<SYBALSKY>TOP10-87>DICTIONARIES>MSDICT-T-Z.TEDIT
                                {ERIS}<SYBALSKY>TOP10-87>DICTIONARIES>PLUSDICT.TEDIT
                                {ERIS}<SYBALSKY>TOP10-87>DICTIONARIES>ADV-PREFACE.TEDIT
                                {ERIS}<SYBALSKY>TOP10-87>DICTIONARIES>ADVDICT-A-M.TEDIT
                                {ERIS}<SYBALSKY>TOP10-87>DICTIONARIES>ADVDICT-N-Z.TEDIT))

(RPAQQ *TOP10-ERIS-PART2* ({ERIS}<SYBALSKY>TOP10-87>DICTIONARIES>C1-PREFACE.TEDIT
                                {ERIS}<SYBALSKY>TOP10-87>DICTIONARIES>C1DEFNS-A-H.TEDIT
                                {ERIS}<SYBALSKY>TOP10-87>DICTIONARIES>C1DEFNS-I-R.TEDIT
                                {ERIS}<SYBALSKY>TOP10-87>DICTIONARIES>C1DEFNS-S.TEDIT
                                {ERIS}<SYBALSKY>TOP10-87>DICTIONARIES>C1DEFNS-T-Z.TEDIT
                                {ERIS}<SYBALSKY>TOP10-87>DICTIONARIES>C2DEFNS-A-E.TEDIT
                                {ERIS}<SYBALSKY>TOP10-87>DICTIONARIES>C2DEFNS-F-O.TEDIT
                                {ERIS}<SYBALSKY>TOP10-87>DICTIONARIES>C2DEFNS-P-S.TEDIT
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                                ERISS}<SYBALSKY>CALENDAR.DATABASEATION-DICT.TEDIT
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                                {ERIS}<SYBALSKY>TOP10-87>FRA>ARRANGE-2FLINES.TEDIT
                                {ERIS}<SYBALSKY>TOP10-87>FRA>ARRANGE-8CHAIN.TEDIT
                                {ERIS}<SYBALSKY>TOP10-87>FRA>ARRANGE-DIAMOND.TEDIT
                                {ERIS}<SYBALSKY>TOP10-87>FRA>ARRANGE-LINES.TEDIT
                                {ERIS}<SYBALSKY>TOP10-87>FRA>ARRANGE-QTAG.TEDIT
                                {ERIS}<SYBALSKY>TOP10-87>FRA>ARRANGE-WAVES.TEDIT))

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;;; Page layout of 3, 3x5 cards per page with heading and 2 columns per card.

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                                                        REGULAR SLOPE ITALIC WEIGHT BOLD INVERTED OFF
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(**TOP10.INIT**)

(PUTPROPS **FORMATTINGFNS FILETYPE** CL:COMPILE-FILE)

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FUNCTION INDEX

VARIABLE INDEX

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