

File created: 28-Mar-2024 00:03:10 {WMEDLEY}<lispusers>TEDITTALK.;2

edit by: rmk

changes to: (VARS TEDITTALKCOMS)  
(FNS TALK.TEDIT.DISPLAY TALK.TEDIT.LISTEN)

previous date: 22-Jul-88 15:38:03 {WMEDLEY}<lispusers>TEDITTALK.;1

Read Table: INTERLISP

Package: INTERLISP

Format: XCCS

```
(RPAQQ TEDITTALKCOMS
[
    ; TALK TEdit Service
    (LOCALVARS . T)
    (FNS TALK.TEDIT.DISPLAY TALK.TEDIT.LISTEN TALK.TEDIT.CHARFN)
    ; TALK TEdit hooks
    (FNS TALK.TEDIT.USERFN TALK.TEDIT.INSERT TALK.SELFN TALK.SETSELFN TALK.IMAGEOBJFN TALK.LOOKSFN
    TALK.PARAFN TALK.INSERTFN TALK.INCLUDEFN TALK.DELETEFN TALK.GETFN)
    (FNS TALK.TEDIT.BACKSPACE TALK.TEDIT.INCLUDE TALK.TEDIT.DELETE.TEXT TALK.TEDIT.GET
    TALK.TEDIT.INSERT.TEXT TALK.TEDIT.SETSEL TALK.TEDIT.INSERT.OBJECT TALK.TEDIT.LOOKS
    TALK.TEDIT.PARALOOKS TALK.TEDIT.DELETE)
    (FNS TALK.ENCODE.SEL TALK.DECODE.SEL)
    ; TALK data
    (VARS TALK.TEDIT.ACTIONS TALK.FROM.TEDIT.PROPS TALK.TO.TEDIT.PROPS)
    (GLOBALVARS TALK.TEDIT.ACTIONS TALK.TO.TEDIT.PROPS TALK.FROM.TEDIT.PROPS)
    ; etc
    (FILES TALK TEDIT)
    (APPENDVARS (GAP.SERVICETYPES (6 Tedit TALK.NS.SERVER))
    (TALK.SERVICETYPES (Tedit TALK.TEDIT.DISPLAY TALK.TEDIT.LISTEN)))
    (ADDVARS (TALK.TEDIT.ADVISEDVARS TEDIT.SETSEL TEDIT.INSERT TEDIT.DELETE TEDIT.INSERT.OBJECT TEDIT.LOOKS
    TEDIT.PARALOOKS OPENFILE-IN-TEDIT.INCLUDE))
    (ADVISE * (PROGN TALK.TEDIT.ADVISEDVARS))
    (GLOBALVARS TALK.TEDIT.ADVISEDVARS)
    (DECLARE%: DONTCOPY DOEVAL@COMPILE (FILES TEDIT-EXPORTS.ALL)
    (ALISTS (CHARACTERNAMES UNDO REDO NEXT MARGINS FONT SHIFT.UNDO SHIFT.REDO SHIFT.NEXT
    SHIFT.MARGINS SHIFT.FONT SHIFT.DEL)
    (PRINTOUTMACROS .OP .FORCE)))
    (DECLARE%: DONTVAL@LOAD DOEVAL@COMPILE DONTCOPY COMPILERVARS (ADDVARS (NLAMA)
    (NLAML)
    (LAMA TALK.TEDIT.USERFN))
```

:: TALK TEdit Service

```
(DECLARE%: DOEVAL@COMPILE DONTCOPY
```

```
(LOCALVARS . T)
)
```

```
(DEFINEQ
```

(TALK.TEDIT.DISPLAY

```
[LAMBDA (MAINWINDOW WINDOW INPUTSTREAM OUTPUTSTREAM PROTOCOL USER)
    ; Edited 27-Mar-2024 23:55 by rmk
    ; Edited 2-Jun-88 16:25 by cdl
    (LET (TEXTOBJ)
    (TEDIT NIL MAINWINDOW NIL TALK.TO.TEDIT.PROPS)
    (SETQ TEXTOBJ (TEXTOBJ MAINWINDOW))
    (TEXTPROP TEXTOBJ 'TALK OUTPUTSTREAM)
    (SETTOBJ TEXTOBJ TXTFILE (CONCAT "Talk with " USER))
    (TEDIT.SETSEL (OPENTEXTSTREAM NIL WINDOW NIL NIL TALK.FROM.TEDIT.PROPS)
    1 0 'LEFT)
    (WINDOWPROP WINDOW 'PROMPTWINDOW (WINDOWPROP MAINWINDOW 'PROMPTWINDOW]))
```

(TALK.TEDIT.LISTEN

```
[LAMBDA (MAINWINDOW WINDOW INPUTSTREAM OUTPUTSTREAM PROTOCOLTYPE)
    ; Edited 28-Mar-2024 00:01 by rmk
    ; Edited 7-Jun-88 08:45 by cdl
    (* DECLARATIONS%: (RECORD ACTION
    (CCODES ACTIONFN TEXTOBJP)))
    (DECLARE (SPECVARS INPUTSTREAM))
    (PROG ((POSITION (create POSITION))
    (TEXTSTREAM (TEXTSTREAM WINDOW))
    (SCRATCHPTR (ALLOCSTRING 0))
    (STRING (ALLOCSTRING 128))
    (EVENTFN (with TALK.PROTOCOLTYPE PROTOCOLTYPE TALK.EVENTFN))
    TEXTOBJ STRINGSTREAM EOFPTR BYTE ACTION CCODE)
    (SETQ TEXTOBJ (fetch (TEXTSTREAM TEXTOBJ) of TEXTSTREAM))
    [SETQ EOFPTR (GETEOFPTR (SETQ STRINGSTREAM (OPENSTRINGSTREAM STRING 'BOTH)
    while (OPENP TEXTSTREAM)
    do (APPLY* EVENTFN INPUTSTREAM OUTPUTSTREAM)
    (CL:UNLESS (AND (OPENP INPUTSTREAM)
    (OPENP OUTPUTSTREAM))
```

```

(RETURN))
(TALK.FLASH.CARET WINDOW POSITION 'OFF)
(while (AND (OPENP INPUTSTREAM)
            (READP INPUTSTREAM))
  do (SELCHARQ (SETQ BYTE (LOGAND (SETQ CCODE (READCCODE INPUTSTREAM)
                                   (MASK.1'S 0 8))))
      (BS ; Flush text buffer
        (TALK.TEDIT.INSERT TEXTSTREAM STRING STRINGSTREAM SCRATCHPTR)
        ; the escape code
        (SETQ CCODE (LOGAND (SETQ CCODE (READCCODE INPUTSTREAM)
                                   (MASK.1'S 0 10))))
        (if [SETQ ACTION (for ACTION in TALK.TEDIT.ACTIONS
                              thereis (with ACTION ACTION (EQMEMB CCODE CCODES)
                                        then (with ACTION ACTION (APPLY* ACTIONFN (if TEXTOBJP
                                                                                       then TEXTOBJ
                                                                                       else TEXTSTREAM)
                                                                                       INPUTSTREAM)))]
            ; Flush text buffer
            (^G (TALK.TEDIT.INSERT TEXTSTREAM STRING STRINGSTREAM SCRATCHPTR)
                (TALK.RINGBELLS WINDOW))
              (if (LESSP CCODE (MASK.1'S 0 8))
                  then (PRINTCCODE CCODE STRINGSTREAM)
                      (if (LEQ EOFPTR (GETFILEPTR STRINGSTREAM))
                          then (TALK.TEDIT.INSERT TEXTSTREAM STRING STRINGSTREAM SCRATCHPTR))
                      else (TALK.TEDIT.INSERT TEXTSTREAM STRING STRINGSTREAM SCRATCHPTR)
                          ; String streams don't handle NS charaters so don't buffer
                          (TALK.TEDIT.INSERT TEXTSTREAM CCODE)))
                finally (TALK.TEDIT.INSERT TEXTSTREAM STRING STRINGSTREAM SCRATCHPTR))
            (TALK.FLASH.CARET WINDOW POSITION 'ON))
          (CL:WHEN (SETQ TEXTOBJ (TEXTOBJ MAINWINDOW T))
                  (SETTOBJ TEXTOBJ TXTFILE (CONCAT TXTFILE TALK.CLOSED.STRING))))])

```

(TALK.TEDIT.CHARFN

; Edited 9-Jun-88 15:06 by cdl

```

[LAMBDA (TEXTOBJ CCODE)
  (DECLARE (SPECVARS CCODE))
  (PROG [(STREAM (TEXTPROP TEXTOBJ 'TALK]
    (if (OPENP STREAM)
        then (SELCHARQ CCODE
              ((BS ^W DEL UNDO REDO NEXT)
               (PRINTOUT STREAM .OP CCODE))
               ((SHIFT.UNDO SHIFT.REDO SHIFT.NEXT)
                (PRINTOUT STREAM .OP (BITCLEAR CCODE (MASK.1'S 5 1))))
              (^O (RETURN T))
              (^A (RETURN))
              ((SHIFT.DEL FONT SHIFT.FONT MARGINS SHIFT.MARGINS)
               (* Unimplemented function keys, pass through)
               (PRINTCCODE CCODE STREAM))
              (if (OR (LESSP CCODE (CHARCODE 2,0))
                      (GEQ CCODE (CHARCODE 3,0)))
                  then (* Filter out function keys in the 2,0 range)
                      (PRINTCCODE CCODE STREAM)))
            (if (NOT (READP))
                then (FORCEOUTPUT STREAM)))
    (RETURN T])
)

```

:: TALK TEdit hooks

(DEFINEQ

(TALK.TEDIT.USERFN

(\* cdl " 2-Mar-87 09:53")

```

[LAMBDA VAR
  (LET [(USERFN (TEXTPROP (ARG VAR 2)
                          (ARG VAR 1)
                          (if USERFN
                              then (APPLY USERFN (for M from 2 to VAR collect (ARG VAR M))

```

(TALK.TEDIT.INSERT

(\* cdl "24-Mar-87 08:45")

```

[LAMBDA (TEXTSTREAM STRING.OR.CCODE STRINGSTREAM SCRATCHPTR)
  (if STRINGSTREAM
    then (LET ((FILEPTR (GETFILEPTR STRINGSTREAM))
              (if (NOT (ZEROP FILEPTR))
                  then (TEDIT.INSERT TEXTSTREAM (SUBSTRING STRING.OR.CCODE 1 FILEPTR SCRATCHPTR))
                  (SETFILEPTR STRINGSTREAM 0)))
          else (TEDIT.INSERT TEXTSTREAM (MKSTRING (CHARACTER STRING.OR.CCODE]))

```

(TALK.SELFN

; Edited 9-Jun-88 15:06 by cdl

```

[LAMBDA (TEXTOBJ SELECTION SELECTMODE FINAL?)
  (DECLARE (SPECVARS SELECTION SELECTMODE))
  (SELECTQ FINAL?
    (FINAL (SELECTQ SELECTMODE
                    ((NORMAL PENDINGDEL DELETE)
                    (PROG [(STREAM (TEXTPROP TEXTOBJ 'TALK]

```

```

      (if (OPENP STREAM)
          then (PRINTOUT STREAM .OP (CHARCODE ^S)
                .P2
                (LIST (TALK.ENCODE.SEL SELECTION)
                      SELECTMODE)
                .FORCE)))
      NIL))
NIL])

```

**(TALK.SETSELFN**

```

[LAMBDA (TEXTSTREAM CH#ORSEL LEN POINT PENDINGDELFLG LEAVECARETLOOKS OPERATION)
; Edited 9-Jun-88 15:09 by cdl
  (DECLARE (SPECVARS CH#ORSEL LEN POINT OPERATION))
  (PROG [(STREAM (TEXTPROP TEXTSTREAM 'TALK)
          (if (OPENP STREAM)
              then [if (NULL OPERATION)
                      then (SETQ OPERATION (if PENDINGDELFLG
                                                then 'PENDINGDEL
                                                else 'NORMAL]
                      (PRINTOUT STREAM .OP (CHARCODE ^S)
                    .P2
                    (LIST (TALK.ENCODE.SEL CH#ORSEL LEN POINT)
                          OPERATION)
                    .FORCE])

```

**(TALK.IMAGEOBJFN**

```

[LAMBDA (TEXTSTREAM OBJECT CH#ORSEL)
; Edited 9-Jun-88 15:10 by cdl
  (DECLARE (SPECVARS TEXTSTREAM CH#ORSEL))
  (PROG [(STREAM (TEXTPROP TEXTSTREAM 'TALK)
          (if (OPENP STREAM)
              then (PRINTOUT STREAM .OP (CHARCODE ^T))
                  (WRITEIMAGEOBJ OBJECT STREAM)
                  (PRINTOUT STREAM .P2 (with SELECTION (TEDIT.GETSEL TEXTSTREAM)
                                        (TALK.ENCODE.SEL CH#ORSEL DCH POINT))
                  .FORCE])

```

**(TALK.LOOKSFN**

```

[LAMBDA (TEXTSTREAM NEWLOOKS CH#ORSEL LEN)
; Edited 9-Jun-88 15:10 by cdl
  (DECLARE (SPECVARS NEWLOOKS CH#ORSEL LEN))
  (PROG [(STREAM (TEXTPROP TEXTSTREAM 'TALK)
          (if (OPENP STREAM)
              then (PRINTOUT STREAM .OP (CHARCODE ^U)
                    .P2
                    (LIST NEWLOOKS (TALK.ENCODE.SEL CH#ORSEL LEN))
                    .FORCE])

```

**(TALK.PARAFN**

```

[LAMBDA (TEXTOBJ NEWLOOKS CH#ORSEL LEN)
; Edited 9-Jun-88 15:10 by cdl
  (DECLARE (SPECVARS NEWLOOKS CH#ORSEL LEN))
  (PROG [(STREAM (TEXTPROP TEXTOBJ 'TALK)
          (if (OPENP STREAM)
              then (PRINTOUT STREAM .OP (CHARCODE ^V)
                    .P2
                    (LIST NEWLOOKS (TALK.ENCODE.SEL CH#ORSEL LEN))
                    .FORCE])

```

**(TALK.INSERTFN**

```

[LAMBDA (TEXTSTREAM TEXT CH#ORSEL LOOKS DONTSCROLL)
; Edited 9-Jun-88 15:11 by cdl
  (DECLARE (SPECVARS TEXT CH#ORSEL LOOKS DONTSCROLL))
  (PROG [(STREAM (TEXTPROP TEXTSTREAM 'TALK)
          (if (OPENP STREAM)
              then (PRINTOUT STREAM .OP (CHARCODE ^R)
                    .P2
                    (LIST TEXT (TALK.ENCODE.SEL CH#ORSEL)
                              LOOKS DONTSCROLL)
                    .FORCE])

```

**(TALK.INCLUDEFN**

```

[LAMBDA (TEXTSTREAM FILE START END)
; Edited 9-Jun-88 15:11 by cdl
  (DECLARE (SPECVARS FILE START END))
  (PROG [(STREAM (TEXTPROP TEXTSTREAM 'TALK)
          (if (OPENP STREAM)
              then (PRINTOUT STREAM .OP (CHARCODE ^O)
                    .P2
                    (LIST FILE START END)
                    .FORCE])

```

**(TALK.DELETEFN**

```

[LAMBDA (TEXTSTREAM CH#ORSEL LEN)
; Edited 9-Jun-88 15:12 by cdl
  (DECLARE (SPECVARS TEXTSTREAM CH#ORSEL LEN))

```

```
(PROG [(STREAM (TEXTPROP TEXTSTREAM 'TALK]
  (if (OPENP STREAM)
    then (PRINTOUT STREAM .OP (CHARCODE ^P)
      .P2
      (LIST (TALK.ENCODE.SEL (OR CH#ORSEL (TEDIT.GETSEL TEXTSTREAM))
        LEN)
        LEN)
      .FORCE])
```

(TALK.GETFN

```
[LAMBDA (TEXTSTREAM FULLFILENAME WHEN) ; Edited 9-Jun-88 15:12 by cdl
  (DECLARE (SPECVARS FULLFILENAME))
  (SELECTQ WHEN
    (BEFORE (PROG [(STREAM (TEXTPROP TEXTSTREAM 'TALK]
      (if (OPENP STREAM)
        then (PRINTOUT STREAM .OP (CHARCODE ^Q)
          .P2
          (LIST FULLFILENAME)
          .FORCE))))
    NIL])
)
```

(DEFINEQ

(TALK.TEDIT.BACKSPACE

```
[LAMBDA (TEXTSTREAM) (* cdl " 5-May-87 18:07")
  (with SELECTION (TEDIT.GETSEL TEXTSTREAM)
    (TEDIT.DELETE TEXTSTREAM (SUB1 (SELECTQ POINT
      (LEFT CH#)
      CHLIM)
    1])
```

(TALK.TEDIT.INCLUDE

```
[LAMBDA (TEXTSTREAM STREAM) (* cdl "10-Mar-87 17:04")
  (* DECLARATIONS%: (RECORD DATA
  (FILE START END)))
  (with DATA (READ STREAM)
    (TEDIT.INCLUDE TEXTSTREAM FILE START END])
```

(TALK.TEDIT.DELETE.TEXT

```
[LAMBDA (TEXTSTREAM STREAM) (* cdl " 2-Mar-87 12:06")
  (* DECLARATIONS%: (RECORD DATA
  (PLST LEN)))
  (with DATA (READ STREAM)
    (TEDIT.DELETE TEXTSTREAM (TALK.DECODE.SEL TEXTSTREAM PLST)
    LEN])
```

(TALK.TEDIT.GET

```
[LAMBDA (TEXTOBJ STREAM) ; Edited 3-Jun-88 09:54 by cdl
  (* DECLARATIONS%: (RECORD DATA
  (FULLFILENAME)))
  (with TEXTOBJ TEXTOBJ (SETQ \XDIRTY NIL))
  (with DATA (READ STREAM)
    (TEDIT.GET TEXTOBJ FULLFILENAME])
```

(TALK.TEDIT.INSERT.TEXT

```
[LAMBDA (TEXTSTREAM STREAM) (* cdl " 2-Mar-87 11:42")
  (* DECLARATIONS%: (RECORD DATA
  (TEXT PLST LOOKS DONTSCROLL)))
  (with DATA (READ STREAM)
    (TEDIT.INSERT TEXTSTREAM TEXT (TALK.DECODE.SEL TEXTSTREAM PLST)
    LOOKS DONTSCROLL])
```

(TALK.TEDIT.SETSEL

```
[LAMBDA (TEXTSTREAM STREAM) (* cdl " 1-Mar-87 10:33")
  (* DECLARATIONS%: (RECORD DATA
  (PLST SELECTMODE)))
  (with DATA (READ STREAM)
    (TALK.DECODE.SEL TEXTSTREAM PLST SELECTMODE])
```

(TALK.TEDIT.INSERT.OBJECT

```
[LAMBDA (TEXTSTREAM STREAM) (* cdl " 5-May-87 18:04")
  (LET (OBJECT)
    (if [SETQ OBJECT (RESETFORM (INPUT STREAM)
      (ERRORSET (READ)
      then (TEDIT.INSERT.OBJECT (CAR OBJECT)
        TEXTSTREAM
        (TALK.DECODE.SEL TEXTSTREAM (READ STREAM])
```

**(TALK.TEDIT.LOOKS**

[LAMBDA (TEXTSTREAM STREAM)

(\* cdl " 1-Mar-87 12:19")  
(\* DECLARATIONS%:(RECORD DATA  
(NEWLOOKS PLST)))

(with DATA (READ STREAM)  
(TEDIT.LOOKS TEXTSTREAM NEWLOOKS (TALK.DECODE.SEL TEXTSTREAM PLST]))

**(TALK.TEDIT.PARALOOKS**

[LAMBDA (TEXTSTREAM STREAM)

(\* cdl " 1-Mar-87 12:22")  
(\* DECLARATIONS%:(RECORD DATA  
(NEWLOOKS PLST)))

(with DATA (READ STREAM)  
(TEDIT.PARALOOKS (TEXTOBJ TEXTSTREAM)  
NEWLOOKS  
(TALK.DECODE.SEL TEXTSTREAM PLST]))

**(TALK.TEDIT.DELETE**

[LAMBDA (TEXTSTREAM

(\* cdl " 1-Mar-87 10:34")

(TEDIT.DELETE TEXTSTREAM (TEDIT.GETSEL TEXTSTREAM])

)  
(DEFINEQ

**(TALK.ENCODE.SEL**

[LAMBDA (CH#ORSEL LEN POINT)

(\* cdl "16-Mar-87 08:18")  
(\* DECLARATIONS%:(PROPRECORD PLST  
(CH# DCH POINT)))

(if (type? SELECTION CH#ORSEL)  
then [for FIELD in [CONSTANT (LDIFFERENCE (RECORDFIELDNAMES 'SELECTION)  
'(X0 Y0 XLIM YLIM L1 LN DX \TEXTOBJ SELOBJINFO)  
join (LIST FIELD (RECORDACCESS FIELD CH#ORSEL (CONSTANT (RECLOOK 'SELECTION))  
'FETCH]  
else (create PLST  
CH# \_ CH#ORSEL  
DCH \_ (OR LEN 0)  
POINT \_ (OR POINT 'LEFT])

**(TALK.DECODE.SEL**

[LAMBDA (TEXTSTREAM PLST SELECTMODE)

(\* cdl "16-Mar-87 08:12")  
(\* DECLARATIONS%:(PROPRECORD PLST  
(CH# DCH POINT)))

(with PLST PLST (TEDIT.SETSEL TEXTSTREAM (OR CH# (fetch (SELECTION CH#) of (TEDIT.GETSEL TEXTSTREAM)))  
DCH POINT (EQ 'PENDINGDEL SELECTMODE)  
NIL SELECTMODE])

)  
;; TALK data

(RPAQQ **TALK.TEDIT.ACTIONS**

- (( 8 TALK.TEDIT.BACKSPACE)
- ( 15 TALK.TEDIT.INCLUDE)
- ( 16 TALK.TEDIT.DELETE.TEXT)
- ( 17 TALK.TEDIT.GET TEXTOBJ)
- ( 18 TALK.TEDIT.INSERT.TEXT)
- ( 19 TALK.TEDIT.SETSEL)
- ( 20 TALK.TEDIT.INSERT.OBJECT)
- ( 21 TALK.TEDIT.LOOKS)
- ( 22 TALK.TEDIT.PARALOOKS)
- ( 23 \TEDIT.WORDDELETE TEXTOBJ)
- ( 127 TALK.TEDIT.DELETE)
- ( 516 TEDIT.UNDO TEXTOBJ)
- ( 520 TEDIT.REDO TEXTOBJ)
- ( 530 TEDIT.NEXT))

(RPAQQ **TALK.FROM.TEDIT.PROPS**

(PROMPTWINDOW DON'T NOTITLE T COPYBYBKSYSBUF T MENU ((Put 'Put NIL (SUBITEMS  
Plain-Text  
Old-Format  
))  
Find Quit)))

(RPAQQ **TALK.TO.TEDIT.PROPS**

(CHARFN TALK.TEDIT.CHARFN SELFN TALK.SELFN GETFN TALK.GETFN IMAGEOBJFN  
TALK.IMAGEOBJFN LOOKSFN TALK.LOOKSFN PARAFN TALK.PARAFN INSERTFN TALK.INSERTFN  
SETSELFN TALK.SETSELFN DELETEFN TALK.DELETEFN INCLUDEFN TALK.INCLUDEFN NOTITLE  
T QUITFN TRUE COPYBYBKSYSBUF T))

(DECLARE%: DOEVAL@COMPILE DONTCOPY

(GLOBALVARS TALK.TEDIT.ACTIONS TALK.TO.TEDIT.PROPS TALK.FROM.TEDIT.PROPS)

)

```

;; etc

(FILESLoad TALK TEDIT)

(APPENDTOVAR GAP.SERVICETYPES (6 Tedit TALK.NS.SERVER))

(APPENDTOVAR TALK.SERVICETYPES (Tedit TALK.TEDIT.DISPLAY TALK.TEDIT.LISTEN))

(ADDTOVAR TALK.TEDIT.ADVISEDFNS TEDIT.SETSEL TEDIT.INSERT TEDIT.DELETE TEDIT.INSERT.OBJECT TEDIT.LOOKS
          TEDIT.PARALOOKS OPENFILE-IN-TEDIT.INCLUDE)

[XCL:REINSTALL-ADVICE 'TEDIT.SETSEL :BEFORE '(:LAST (TALK.TEDIT.USERFN 'SETSELFN STREAM CH# LEN POINT
          PENDINGDELFLG LEAVECARETLOOKS OPERATION)]

[XCL:REINSTALL-ADVICE 'TEDIT.INSERT :BEFORE '(:LAST (TALK.TEDIT.USERFN 'INSERTFN STREAM TEXT CH#ORSEL LOOKS
          DONTSCROLL)]

[XCL:REINSTALL-ADVICE 'TEDIT.DELETE :BEFORE '(:LAST (TALK.TEDIT.USERFN 'DELETEFN STREAM SEL LEN LEAVECARETLOOKS
          ]

[XCL:REINSTALL-ADVICE 'TEDIT.INSERT.OBJECT :BEFORE '(:LAST (TALK.TEDIT.USERFN 'IMAGEOBJFN STREAM OBJECT CH#)]

[XCL:REINSTALL-ADVICE 'TEDIT.LOOKS :BEFORE '(:LAST (TALK.TEDIT.USERFN 'LOOKSFN STREAM NEWLOOKS SELORCH# LEN)]

[XCL:REINSTALL-ADVICE 'TEDIT.PARALOOKS :BEFORE '(:LAST (TALK.TEDIT.USERFN 'PARAFN TEXTOBJ NEWLOOKS SEL LEN)]

[XCL:REINSTALL-ADVICE ' (OPENFILE :IN TEDIT.INCLUDE)
  :BEFORE
  ' (:LAST (TALK.TEDIT.USERFN 'INCLUDEFN STREAM FILE START END)]

(READVISE TEDIT.SETSEL TEDIT.INSERT TEDIT.DELETE TEDIT.INSERT.OBJECT TEDIT.LOOKS TEDIT.PARALOOKS
  (OPENFILE :IN TEDIT.INCLUDE))

(DECLARE%: DOEVAL@COMPILE DONTCOPY

(GLOBALVARS TALK.TEDIT.ADVISEDFN)
)

(DECLARE%: DONTCOPY DOEVAL@COMPILE

(FILESLoad TEDIT-EXPORTS.ALL)

(ADDTOVAR CHARACTERNAMES
  (UNDO 2,4)
  (REDO 2,10)
  (NEXT 2,22)
  (MARGINS 2,111)
  (FONT 2,112)
  (SHIFT.UNDO 2,44)
  (SHIFT.REDO 2,50)
  (SHIFT.NEXT 2,62)
  (SHIFT.MARGINS 2,151)
  (SHIFT.FONT 2,152)
  (SHIFT.DEL 2,27))

(ADDTOVAR PRINTOUTMACROS
  [.OP (LAMBDA (COMS)
        (CONS '(PROGN (PRINTCCODE (CHARCODE BS)
                          NIL)
              (PRINTCCODE , (CADR COMS)
                          NIL))
              (CDDR COMS)]
  [.FORCE (LAMBDA (COMS)
           (CONS '(FORCEOUTPUT NIL)
                 (CDR COMS))]
  )

(DECLARE%: DONTEVAL@LOAD DOEVAL@COMPILE DONTCOPY COMPILERVARS

(ADDTOVAR NLAMA )

(ADDTOVAR NLAML )

(ADDTOVAR LAMA TALK.TEDIT.USERFN)
)

```

---

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---

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---

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