

File created: 23-Feb-2024 22:24:01 {WMEDLEY}<library>lafite>LAFITE-SEND.;2

edit by: rmk

changes to: (VARS LAFITE-SENDCOMS)

previous date: 23-Feb-2024 22:03:43 {WMEDLEY}<library>lafite>LAFITE-SEND.;1

Read Table: INTERLISP

Package: INTERLISP

Format: XCCS

(RPAQQ **LAFITE-SENDCOMS**

```
((COMS
; Sending mail
(FNS DOLAFITESENDINGCOMMAND \SENDMESSAGE.INITIAE \SENDMSG.DELIVER \SENDMSG.EXIT.TEDIT
\SENDMSG.SAVE.FORM \LAFITE.HEADER.EOF \LAFITE.INSERT.REPLYTO \SENDMSG.REPLYTO
\SENDMSG.CHANGE.MODE \SENDMSG.FIND.FIELD \SENDMESSAGE.PARSE \LAFITE.PREPARE.SEND
\LAFITE.PREPARE.ERROR \LAFITE.CHOOSE.MSG.FORMAT LAFITE.MAKE.PLAIN.TEXTSTREAM
\SENDMESSAGE.MENUPROMPT \SENDMESSAGE.PROMPT \SENDMESSAGEFAIL)
(FNS \SENDMESSAGE \SENDMESSAGE.RESTARTABLE \SENDMESSAGE.CLEANUP \SENDMESSAGE.MAKEWINDOW
MAKELAFITEDELIVERMENU \LAFITE.CLOSEMSG? \LAFITE.AFTER.DELIVER \LAFITE.UNSENT.ICON
\LAFITE.FETCH.SUBJECT LAFITE.SENDMESSAGE \SENDMESSAGE0 LA.ASSURE.PROMPT.WINDOW
\LAFITE.SEND.FAIL \LAFITE.INVALID.RECIPIENTS \SENDMESSAGE.ABORT))
(COMS
; Outbox hacking
(FNS \OUTBOX.CREATE \OUTBOX.RESET \OUTBOX.CLOSEFN \OUTBOX.REPAINTFN \OUTBOX.RESHAPEFN
\OUTBOX.SHADEITEM \OUTBOX.BUTTONFN \OUTBOX.DISPLAYLINE \OUTBOX.ADD.ITEM)
(INITVARS (LAFITEOUTBOXSIZE 2)
(\LAFITE.OUTBOX))
(DECLARE%: EVAL@COMPILE DONTCOPY (RECORDS OUTBOXITEM)
(GLOBALVARS LAFITEOUTBOXSIZE)))
(COMS
; Built-in message forms
(FNS \LAFITE.MESSAGEFORM MAKELAFITESUPPORTFORM MAKELISPSUPPORTFORM MAKEXXXSUPPORTFORM
MAKENEWMESSAGEFORM MAKELAFITEPRIVATEFORMSITEMS \LAFITE.UNCACHE.MESSAGEFORM
\LAFITE.DELETE.MESSAGEFORM \LAFITE.SELECT.FORM \LAFITE.DELETE.FORM.INTERNAL \LAFITE.READ.FORM
\LAFITE.FIND.TEMPLATE))
(COMS
; ANSWER
(FNS \LAFITE.ANSWER \LAFITE.ANSWER.PROC MAKEANSWERFORM LA.PRINT.COMMA.LIST
LAFITE.FILL.IN.ANSWER.FORM))
(COMS
; FORWARD
(FNS \LAFITE.FORWARD \LAFITE.FORWARD.PROC MAKEFORWARDFORM))
[COMS
(VARS LAFITESENDINGMENUITEMS LAFITEFORMSMENUITEMS LAFITEFORMATMENUITEMS LAFITEFORWARDSTRINGS)
(ADDVARS (\SYSTEMCACHEVARS \LAFITE.REPORT.MACHINE)
(LAFITESPECIALFORMS ("Lisp Report" (FUNCTION MAKELISPSUPPORTFORM)
"A form to report a Lisp bug or suggestion")
("Lafite Report" (FUNCTION MAKELAFITESUPPORTFORM)
"A form to report a Lafite bug or suggestion"))
(LAFITEMENUVARS LAFITEFORMSMENU LAFITEFORMATMENU))
(INITVARS (\LAFITE.REPORT.MACHINE)
(LAFITECURRENTEDITORWINDOWS)
(LAFITEFORMFILES)
(LAFITEFORMSMENU)
(LAFITEFORMATMENU))
(INITVARS (LAFITEEDITORFONT LAFITEDISPLAYFONT)
(LAFITEFORM.EXT "Lafite-form")
(LAFITEFORMDIRECTORIES NIL)
(LAFITE.EDITOR.SIZE '(470 . 300))
(LAFITE.EDITOR.LAYOUTS NIL)
(LAFITEFORWARDSUBJECTSTR NIL)
(LAFITESUPPORT NIL)
(LISPSUPPORT NIL)
(MESSAGESTR ">>Message<<")
(RECIPIENTSSTR ">>Recipients<<")
(SUBJECTSTR ">>Subject<<")
(LAFITE.SEND.FORMATTED '( (NSCHARS :ASK)
(CharLOOKS :ASK)
(PARALOOKS :ASK)
(IMAGEOBJ :ASK)))
(COMS
; Obsolete
(INITVARS (LAFITEEDITORREGION NIL)))
(COMS
; ICON stuff
(VARS LAFITE.MSG.ICON))
(DECLARE%: EVAL@COMPILE DONTCOPY (RECORDS SENDINGCOMMAND)
(GLOBALVARS \LAFITE.REPORT.MACHINE LAFITECURRENTEDITORWINDOWS LAFITEEDITORFONT LAFITEEDITORREGION
LAFITEFORMATMENU LAFITEFORMSMENUITEMS LAFITEFORMATMENUITEMS LAFITEFORWARDSTRINGS
LAFITEFORWARDSUBJECTSTR LAFITESENDINGMENUITEMS LAFITESPECIALFORMS LAFITESUPPORT
LISPSUPPORT MAKESYSDATE MESSAGESTR RECIPIENTSSTR SUBJECTSTR LAFITE.MSG.ICON
LAFITEFORMDIRECTORIES LAFITE.SEND.FORMATTED)
(FILES (SOURCE)
LAFITE-DECLS)
(LOCALVARS . T))))
```

:: Sending mail

(DEFINEQ

(DOLAFITESENDINGCOMMAND

[LAMBDA (ITEM MENU KEY)

(* bvm%: "31-Jul-84 15:03")

;;; this function is invoked by buttoning the menu on top of the 'sending' window

```
(PROG ((WINDOW (WINDOWPROP (WFROMMENU MENU)
                             'MAINWINDOW))
      PROC)
      (AND (SETQ PROC (WINDOWPROP WINDOW 'PROCESS))
           (PROCESS.APPLY PROC (FUNCTION \SENDMESSAGE.INITIATE)
                              (LIST WINDOW MENU ITEM))
```

(\SENDMESSAGE.INITIATE

[LAMBDA (WINDOW MENU ITEM)

; Edited 31-Jan-89 16:59 by bvm

;; Called by selecting a menu command from a message composition window

```
(ERSETQ (RESETLST
        (LET ((COMMAND (EXTRACTMENUCOMMAND ITEM)))
            (RESETSAVE NIL (LIST [FUNCTION (LAMBDA (ITEM MENU)
                                         (COND
                                           (RESETSTATE
                                             ; In case of error/abort, set menu & proc back to normal
                                             (SHADEITEM ITEM MENU WHITESHADE)
                                             (replace (MENU WHENSELECTEDFN) of MENU
                                             with (FUNCTION DOLAFITESENDINGCOMMAND))
                                           (PROCESSPROP (THIS.PROCESS)
                                             (PROCESSPROP (THIS.PROCESS)
                                             'BEFOREEXIT NIL]
                                         ITEM MENU))
            (SHADEITEM ITEM MENU LAFITEITEMBUSYSHADE) ; Now disable the menu
            (replace (MENU WHENSELECTEDFN) of MENU with (FUNCTION NIL))
            (PROCESSPROP (THIS.PROCESS)
            'BEFOREEXIT
            'DON'T) ; Don't let anyone logout now!
            (CL:FUNCALL COMMAND WINDOW (WINDOWPROP WINDOW 'TEXTSTREAM)
            MENU ITEM))))
```

(\SENDMSG.DELIVER

[LAMBDA (WINDOW TEXTSTREAM MENU ITEM)

; Edited 31-Jan-89 16:41 by bvm

```
(LET (PARSE)
    (printout (GETPROMPTWINDOW WINDOW)
              T "Parsing...")
    (OR (SETQ PARSE (\SENDMESSAGE.PARSE TEXTSTREAM WINDOW))
        (ERROR!))
    (\SENDMSG.EXIT.TEDIT WINDOW TEXTSTREAM
    (create SENDINGCOMMAND
           COMMAND _ '%##SEND##
           ITEM _ ITEM
           MENU _ MENU
           MESSAGE _ TEXTSTREAM
           MESSAGEPARSE _ PARSE])
```

(\SENDMSG.EXIT.TEDIT

[LAMBDA (WINDOW TEXTSTREAM VALUE)
(WINDOWADDPROP WINDOW 'CLOSEFN 'DON'T)
(TEDIT.QUIT TEXTSTREAM VALUE)
(LA.DETACH.TEDIT TEXTSTREAM)]

; Edited 31-Jan-89 16:39 by bvm
; Keep TEDIT.QUIT from closing the window

(\SENDMSG.SAVE.FORM

[LAMBDA (WINDOW TEXTSTREAM MENU ITEM)

; Edited 3-Nov-89 15:33 by bvm

;; Shortcut to TEdit Put that saves on mail directory and remembers it as a "Saved Form"

```
(LET ((*UPPER-CASE-FILE-NAMES* NIL)
      (PROMPT "Save under name: ")
      (FORMNAME (WINDOWPROP WINDOW 'LAFITEFORM))
      PWINDOW FORMFILE)
[COND
  (FORMNAME (SETQ FORMNAME (LA.SHORTFILENAME FORMNAME LAFITEFORM.EXT)
  (SETQ PWINDOW (LA.ASSURE.PROMPT.WINDOW WINDOW PROMPT (OR FORMNAME "XXX"))))
  ; Kludge to keep it small
  (CLEARW PWINDOW)
  [COND
    ((SETQ FORMFILE (PROMPTFORFILENAME PWINDOW FORMNAME PROMPT))
     (SETQ FORMNAME (LA.SHORTFILENAME (TEDIT.PUT TEXTSTREAM (LA.LONGFILENAME FORMFILE LAFITEFORM.EXT)
     NIL
     (if (EQ (TEDIT.FORMATTEDFILEP TEXTSTREAM)
              'NSCHARS)
         then ; Force no formatting--TEdit defaultly saves formatting even if
              ; only ns chars
              T))
         LAFITEFORM.EXT))
    (WINDOWPROP WINDOW 'LAFITEFORM FORMNAME)
  (COND
    ((NOT (CL:MEMBER FORMNAME LAFITEFORMFILES :TEST 'STRING-EQUAL))
```

```

      (SETQ LAFITEFORMFILES (APPEND LAFITEFORMFILES (LIST FORMNAME)))
      (SETQ \LAFITEPROFILECHANGED T)
      (SETQ LAFITEFORMSMENU]
;; Exit with error to restore window state (what a kludge)
(ERROR!])

```

(\LAFITE.HEADER.EOF

```

[LAMBDA (TEXTSTREAM) ; Edited 3-Nov-89 14:29 by bvm
;; Return the character number in TEXTSTREAM of the blank line following the header
(ADD1 (CADAR (LAFITE.PARSE.HEADER TEXTSTREAM NIL 0 NIL NIL T]))

```

(\LAFITE.INSERT.REPLYTO

```

[LAMBDA (TEXTSTREAM NAME HIGHLIGHT HEADEREOF) ; Edited 3-Nov-89 12:57 by bvm
;; Insert a "Reply-to: name" field in this message. If HIGHLIGHT, leave the name pending-delete selected for potential replacement.
[TEDIT.INSERT TEXTSTREAM (CONCAT "Reply-to: " NAME LAFITEEOF)
(OR HEADEREOF (SETQ HEADEREOF (\LAFITE.HEADER.EOF TEXTSTREAM)
(if HIGHLIGHT
then (TEDIT.SETSEL TEXTSTREAM (+ HEADEREOF (CONSTANT (NCHARS "Reply-to: ")))
(NCHARS NAME)
'RIGHT T))

```

(\SENDMSG.REPLYTO

```

[LAMBDA (WINDOW TEXTSTREAM MENU ITEM) ; Edited 3-Nov-89 14:03 by bvm
;; Add a Reply-to field to the message
(\LAFITE.INSERT.REPLYTO TEXTSTREAM [fetch (LAFITEMODEDATA FULLUSERNAME) of (\LAFITE.GET.USER.DATA
(TEXTPROP TEXTSTREAM 'LAFITEMODE]
T)
;; Exit with error to restore window state (what a kludge)
(ERROR!])

```

(\SENDMSG.CHANGE.MODE

```

[LAMBDA (WINDOW TEXTSTREAM MENU ITEM) ; Edited 5-Jan-90 18:06 by bvm
(LET* [(OLDMODE (TEXTPROP TEXTSTREAM 'LAFITEMODE))
(OTHERMODES (for MODE in LAFITEMODELST unless (OR (EQ (fetch (LAFITEOPS LAFITEMODE) of MODE)
OLDMODE)
(NLISTP (CDR MODE))))
collect (fetch (LAFITEOPS LAFITEMODE) of MODE))]
(NEWMODE (if (NULL OTHERMODES)
then (\SENDMESSAGE.PROMPT WINDOW "There are no other modes")
elseif (CDR OTHERMODES)
then (MENU (\LAFITE.CREATE.MENU OTHERMODES "New mode"))
else (CAR OTHERMODES]
[if NEWMODE
then (LET* ((TITLE (WINDOWPROP WINDOW 'TITLE))
(OLDMODEDATA (\LAFITE.GET.USER.DATA OLDMODE))
(NEWMODEDATA (\LAFITE.GET.USER.DATA NEWMODE))
N N2)
(if (NULL NEWMODEDATA)
then (\SENDMESSAGE.PROMPT WINDOW (CL:FORMAT NIL "Can't authenticate user in ~A
mode" NEWMODE))
else (LET ((OLDNAME (fetch (LAFITEMODEDATA FULLUSERNAME) of OLDMODEDATA))
(END (TEDIT.FIND TEXTSTREAM "
" 1))
START N LEN NEW OLDSEL)
(if END
then (add END 1)) ; Don't search past end of header. END now points at second cr.
[for FIELD in '("cc" "Reply-to")
when [AND (SETQ N (\SENDMSG.FIND.FIELD TEXTSTREAM FIELD END))
(PROGN (SETQ LEN (CADR N))
(SETQ N (CAR N))
(SETQ START
(STRPOS OLDNAME
(SETQ OLDSEL
(TEDIT.SEL.AS.STRING TEXTSTREAM
(create SELECTION
CH# _ N
DCH _ LEN)))
NIL NIL NIL NIL UPPERCASEARRAY]
do ; Change field containing old user name to new. This is much
; more complicated than it needs to be because TEDIT.FIND is
; case sensitive.
(TEDIT.DELETE TEXTSTREAM N LEN)
(TEDIT.INSERT TEXTSTREAM (SETQ NEW
(CONCAT (OR (SUBSTRING OLDSEL 1 (SUB1 START)
)
"")
(fetch (LAFITEMODEDATA FULLUSERNAME)

```

```

of NEWMODEDATA)
(OR (SUBSTRING OLDSEL
      (+ START (NCHARS OLDNAME))
      )
    "")))
N)
(AND END (add END (- (NCHARS NEW)
                     LEN))
  (if (SETQ N (\SENDMSG.FIND.FIELD TEXTSTREAM "To" END))
      then ; Leave the To field selected for address modification
        (TEDIT.SETSEL TEXTSTREAM (CAR N)
          (CADR N)
          'RIGHT T))
      (TEXTPROP TEXTSTREAM 'LAFITEMODE NEWMODE)
      (if (SETQ N (STRPOS (CONCAT "(" OLDMODE ")")
                          TITLE))
          then (WINDOWPROP WINDOW 'TITLE (CONCAT (SUBSTRING TITLE 1 N)
                                                    NEWMODE " ")))
      (\SENDMESSAGE.PROMPT WINDOW "Message mode is now " NEWMODE]
;; Exit with error so that the window is restored to previous state
(ERROR!])

```

(\SENDMSG.FIND.FIELD

[LAMBDA (TEXTSTREAM FIELD END) ; Edited 5-Jan-90 17:54 by bvm

;; Find and select the header field beginning with "FIELD:". Return starting index.

```

(LET* ((STR (CONCAT "
                  " FIELD ": ")
        (N (TEDIT.FIND TEXTSTREAM STR 1 END))
        N2)
      (if (AND N (SETQ N2 (TEDIT.FIND TEXTSTREAM "
                  " (add N (NCHARS STR))
                  END)))
          then (LIST N (- N2 N])

```

(\SENDMESSAGE.PARSE

[LAMBDA (MSG EDITORWINDOW) ; Edited 10-Aug-89 17:25 by bvm

;; Parse MSG in the current mode, returning a parse structure that the corresponding sender will be happy with

```

(LET* ((MODE (TEXTPROP MSG 'LAFITEMODE))
      (*LAFITE-MODE-DATA* (\LAFITE.GET.USER.DATA MODE))
      (if *LAFITE-MODE-DATA*
          then (CL:FUNCCALL (fetch (LAFITEMODEDATA SENDPARSER) of *LAFITE-MODE-DATA*
                                MSG EDITORWINDOW)
                           else (\SENDMESSAGE.PROMPT EDITORWINDOW (CL:FORMAT NIL "Can't authenticate user in ~A mode" MODE])

```

(\LAFITE.PREPARE.SEND

[LAMBDA (MSG EDITORWINDOW PARSETABLE) (* bvm%: "13-Nov-84 12:50")

;; Does generic things to MSG, a textstream about to be sent as a message: makes sure it ends in a CR, has no leading CRs, and parses it
;; according to PARSETABLE which defaults to \LAPARSE.FULL -- returns a parse, whose first element tries to be (EOF end-of-header-position)

```

(PROG (MSGEOF HEADEREOF MSGFIELDS EOFINFO)
  [COND
    ((NOT (TYPENAMEP MSG 'STREAM))
     (RETURN (LISPERROR "ILLEGAL ARG" MSG)
    [COND
      (EDITORWINDOW ; Scroll so that beginning of message is visible
        (TEDIT.SETSEL MSG 1 0 'LEFT)
        (TEDIT.NORMALIZECARET MSG)
        (first (SETFILEPTR MSG 0) until (NEQ (BIN MSG)
                                             (CHARCODE EOL))
              do ; hack to get rid of leading CRs
                (TEDIT.DELETE MSG 1 1))
        [SETFILEPTR MSG (SUB1 (SETQ MSGEOF (GETEOFPTR MSG)
                               (COND
                                 ((NEQ (BIN MSG)
                                       (CHARCODE EOL)) ; Make sure message ends in eol
                                 (TEDIT.INSERT MSG LAFITEEOL (ADD1 MSGEOF)
                                       NIL T]
        (SETFILEINFO MSG 'ENDOFSTREAMOP (FUNCTION \LAFITE.EOF))
        (SETQ MSGFIELDS (LAFITE.PARSE.HEADER MSG (OR PARSETABLE \LAPARSE.FULL)
                                             0
                                             (SETQ MSGEOF (GETEOFPTR MSG))
                                             NIL T))
      (COND
        ((EQ (CAR (SETQ EOFINFO (CAR MSGFIELDS)))
             'EOF)
         (SETQ HEADEREOF (CADR EOFINFO))
         [COND
           ((CADDR EOFINFO) ; Error
            (RETURN (\LAFITE.PREPARE.ERROR MSG EDITORWINDOW HEADEREOF)
          [COND

```

```

( (= HEADEREOF MSGEOF) ; Parse ended at eof, so message does not end in double CR --
                                ; add another
  (SETFILEPTR MSG MSGEOF)
  (BOUT MSG (CHARCODE CR)
  (RPLACA (CDR EOFINFO)
    (SETQ HEADEREOF (ADD1 HEADEREOF))) ; Add one for tedit fileptr one-based nonsense
  )
  (RETURN MSGFIELDS])

```

(\LAFITE.PREPARE.ERROR

```

[LAMBDA (MSG EDITORWINDOW HEADEREOF) (* bvm%: "13-Nov-84 12:53")

```

;; Called when header of MSG contained a line not conforming to spec. Most likely cause is user deleted the blank line between header and message.
;; Print a suitable error message

```

(PROG (LINE)
  (SETFILEPTR MSG HEADEREOF)
  (SETQ LINE (LAFITE.READ.TO.EOL MSG))
  (SETFILEPTR MSG HEADEREOF)
  (BOUT MSG (CHARCODE CR))
  (\SENDMESSAGEFAIL EDITORWINDOW (CONCAT "Header not understood: %" (COND
    ((> (NCHARS LINE)
      30)
      (CONCAT (SUBSTRING LINE 1 30)
        '|...|'))
    (T LINE)))
    "%". Assumed this was not part of header, and inserted blank line before it. If this is
    correct, press 'Deliver' again, else edit the message appropriately.")

```

(\LAFITE.CHOOSE.MSG.FORMAT

```

[LAMBDA (TEXTSTREAM HEADEREOF EDITORWINDOW) ; Edited 3-Feb-89 18:36 by bvm

```

;; Ask if user intends to retain formatting info, and if so, send formatted

```

(LET ((FORMATTING (TEDIT.FORMATTEDFILEP TEXTSTREAM))
      TMP)
  (COND
    ((NULL FORMATTING) ; It's just plain text
     'TEXT)
    [(AND (TEXTSTREAMP TEXTSTREAM)
          (TEXTPROP TEXTSTREAM 'LAFITEFORMAT])
     (NULL EDITORWINDOW) ; Nobody to interact with
     'TEDIT)
     (T (SELECTQ (COND
                ((NLISTP LAFITE.SEND.FORMATTED)
                 LAFITE.SEND.FORMATTED)
                ((SETQ TMP (ASSOC FORMATTING LAFITE.SEND.FORMATTED))
                 (CADR TMP))
                (T :ASK))
         (T ; Send formatted
          'TEDIT)
         (NIL ; Send unformatted
          'TEXT)
         (SELECTQ (SETQ TMP (\SENDMESSAGE.MENUPROMPT EDITORWINDOW (OR LAFITEFORMATMENU
                                                                           (SETQ LAFITEFORMATMENU
                                                                           (\LAFITE.CREATE.MENU
                                                                           LAFITEFORMATMENUITEMS
                                                                           "Retain formatting
                                                                           information?" T)))
                  (CONCAT "Message " (SELECTQ FORMATTING
                    (CHARLOOKS "has font information")
                    (PARALOOKS "has paragraph formatting")
                    (NSCHARS "uses extended character set")
                    (IMAGEOBJ "contains images")
                    "has unknown formatting")
                    ".")
                  'LAFITEFORMATMENU))
          (ABORT NIL)
          TMP])

```

(\LAFITE.MAKE.PLAIN.TEXTSTREAM

```

[LAMBDA (TEXTSTREAM START) ; Edited 24-Sep-87 16:48 by bvm:

```

;; Coerces TEXTSTREAM to a "plain text" stream, returning the new stream. If START is specified, only copies from that file pointer onward.

```

(LET [(PLAIN (OPENSTREAM '{NODIRCORE} 'BOTH)
      (SETFILEPTR TEXTSTREAM (OR START (SETQ START 0)))
      ;; TEXT streams return character codes on BIN, so we have to translate to bytes on output side to handle fat chars correctly and avoid
      ;; image objects
      [to (- (GETEOFPTR TEXTSTREAM)
             START)
          do (\OUTCHAR PLAIN (OR (FIXP (BIN TEXTSTREAM))
                                (CHARCODE *])
             ; Reopen to avoid core bug
      (OPENSTREAM (CLOSEF PLAIN)

```

' INPUT])

(\SENDMESSAGE.MENUPROMPT

[LAMBDA (EDITWINDOW MENU PROMPT MENUVAR) ; Edited 20-Apr-89 19:37 by bvm

:: Prompt with MENU at the upper left corner of EDITWINDOW, printing PROMPT in the prompt window. If MENUVAR is specified, it is the global variable that holds this menu, which we smash to NIL while inside MENU, lest someone else try to use it

```
(LET ((PWINDOW (GETPROMPTWINDOW EDITWINDOW))
      RESULT)
      (CLEARW PWINDOW)
      (printout PWINDOW PROMPT)
      (if MENUVAR
          then (SET MENUVAR NIL))
      (SETQ RESULT (MENU MENU (LA.POSITION.FROM.REGION (WINDOWPROP PWINDOW 'REGION)
                                                         NIL T)
                             T))
      (CLEARW PWINDOW)
      (if MENUVAR
          then (SET MENUVAR MENU))
      RESULT])
```

(\SENDMESSAGE.PROMPT

[LAMBDA (EDITORWINDOW MESS1 MESS2) ; Edited 31-Jan-89 17:03 by bvm

:: Display message MESS1 & optionally MESS2 in the prompt window of EDITORWINDOW. Returns NIL always

```
(LET [(PWINDOW (COND
                (EDITORWINDOW (LA.ASSURE.PROMPT.WINDOW EDITORWINDOW MESS1 MESS2))
                (T PROMPTWINDOW))
      (CLEARW PWINDOW)
      (PRIN3 MESS1 PWINDOW)
      (COND
        (MESS2 (PRIN3 MESS2 PWINDOW)))
      NIL])
```

(\SENDMESSAGEFAIL

[LAMBDA (EDITORWINDOW MESS1 MESS2) ; Edited 31-Jan-89 17:02 by bvm

```
(\SENDMESSAGE.PROMPT EDITORWINDOW MESS1 MESS2)
(RETFROM '\SENDMESSAGE.PARSE])
```

)

(DEFINEQ

(\SENDMESSAGE

[LAMBDA (FORM TEDITPROPS FORMNAME) ; Edited 7-Feb-2022 11:54 by rmk ; Edited 10-Feb-89 12:22 by bvm

::: FORM can be a string, file, or stream --- The value of \SENDMESSAGE is T only if the message was actually sent

```
(OR (TEXTSTREAMP FORM)
     (SETQ FORM (OPENTEXTSTREAM (OPENSTRINGSTREAM FORM)
                                NIL NIL NIL TEDITPROPS)))
(TEDIT.STREAMCHANGEDP FORM T) ; Clear the changed bit
(if (NOT (LISTGET TEDITPROPS 'LEAVETTY)) ; Take control of the keyboard
    then
      (TTY.PROCESS (THIS.PROCESS))
      (PROG [(MODE (LISTGET TEDITPROPS 'LAFITEMODE)) ; Old way of specifying mode
            (if MODE
                then (TEXTPROP FORM 'LAFITEMODE MODE)
                elseif (TEXTPROP FORM 'LAFITEMODE)
                elseif (SETQ MODE (fetch LAFITEMODE of \LAFITEMODE))
                then (TEXTPROP FORM 'LAFITEMODE MODE)
                else (PRINTOUT PROMPTWINDOW T "Can't send mail without a Lafite mode.")
                    (RETURN NIL))
            (RETURN (\SENDMESSAGE.RESTARTABLE FORM TEDITPROPS NIL FORMNAME])
```

(\SENDMESSAGE.RESTARTABLE

[LAMBDA (FORM TEDITPROPS EDITORWINDOW FORMNAME) ; Edited 16-Oct-2022 09:59 by briggs ; Edited 7-Feb-2022 11:50 by rmk ; Edited 3-Nov-89 15:06 by bvm

```
(bind (CURRENTMESSAGE _ FORM)
      (FIRSTTIME _ T)
      EDITORRESULT DONE SENTOK PARSE do (PROCESSPROP (THIS.PROCESS)
                                                       'BEFOREEXIT NIL) ; Allow LOGOUT until delivery is attempted. Need to do this if ; we loop or restart
      (COND
        ([NULL (PROG1 EDITORWINDOW
                    [SETQ EDITORWINDOW (\SENDMESSAGE.MAKEWINDOW
                                         CURRENTMESSAGE NIL EDITORWINDOW
                                         (TEXTPROP FORM 'LAFITEMODE)])]
        ; First time thru. Fix it so that we can restart if aborted
        (PROCESSPROP (THIS.PROCESS)
```

```

      'RESTARTFORM
      (LIST (FUNCTION \SENDMESSAGE.RESTARTABLE)
            (KWOTE FORM)
            (KWOTE TEDITPROPS)
            (KWOTE EDITORWINDOW))
      ; If process is reset or aborted, this is how to resurrect
      (PROCESSPROP (THIS.PROCESS)
        'RESTARTABLE T)
      (WINDOWPROP EDITORWINDOW 'LAFITEFORM FORMNAME)))
(COND
  (FIRSTTIME (RESETSAVE NIL (LIST (FUNCTION \SENDMESSAGE.CLEANUP)
    EDITORWINDOW))
    (push LAFITECURRENTEDITORWINDOWS EDITORWINDOW)
    (SETQ FIRSTTIME)))
[SETQ EDITORRESULT (TEDIT (CL:IF (STRINGP FORM)
  (OPENSTRINGSTREAM FORM)
  FORM)
  EDITORWINDOW T (APPEND TEDITPROPS
    (LIST 'FONT
      LAFITEEDITORFONT
    ]
  (COND
    ((TTY.PROCESSP) ; give back the keyboard
      (TTY.PROCESS T))
(WINDOWDELPROP EDITORWINDOW 'CLOSEFN 'DON'T)
; let the window close
(COND
  ((NOT (type? SENDINGCOMMAND EDITORRESULT))
    ; get out anyway since the user used the TEDIT 'quit' command
    ; instead of one of the sending commands
    (SETQ DONE T))
  (T
    ; the user used the lafite menu to get out rather than the TEDIT
    ; menu so we have to do something
    ; make sure CURRENTMESSAGE is always a string
    (SETQ CURRENTMESSAGE (fetch (SENDINGCOMMAND MESSAGE)
      of EDITORRESULT))
    (SETQ DONE (SELECTQ (AND EDITORRESULT (fetch (SENDINGCOMMAND
      COMMAND)
      of EDITORRESULT))
      (%##SEND## [SETQ SENTOK
        (\SENDMESSAGEO
          CURRENTMESSAGE EDITORWINDOW
          (SETQ PARSE (fetch (SENDINGCOMMAND
            MESSAGEPARSE)
            of EDITORRESULT]))
        (SHOULDNT)))
      (SHADEITEM (fetch (SENDINGCOMMAND ITEM) of EDITORRESULT)
        (fetch (SENDINGCOMMAND MENU) of EDITORRESULT)
        WHITESHADE)
        ; Unshade command. DOLAFITESENDINGCOMMAND shaded
        ; it to begin with
      ))
(COND
  (DONE
    ; Message successfully dispatched
    (PROCESSPROP (THIS.PROCESS)
      'RESTARTABLE NIL)
    ; Don't try to restart if there's any sort of error now
    (COND
      (CURRENTMESSAGE
        ; Mark text unchanged now, so no trouble closing icon
        (TEDIT.STREAMCHANGEDP CURRENTMESSAGE T)))
    (COND
      ((NULL SENTOK)
        (CLOSEW EDITORWINDOW))
      (T
        ; shrink the window
        (\LAFITE.AFTER.DELIVER EDITORWINDOW CURRENTMESSAGE
          PARSE)))
    (RETURN SENTOK))
  (T
    ; Loop if deliver failed or \LAFITE.SAVE.FORM was aborted.
  ]))

```

(\SENDMESSAGE.CLEANUP

```

[LAMBDA (EDITORWINDOW) ; Edited 6-Oct-87 15:58 by bvm:
  (SETQ LAFITECURRENTEDITORWINDOWS (REMOVE EDITORWINDOW LAFITECURRENTEDITORWINDOWS])

```

(\SENDMESSAGE.MAKEWINDOW

```

[LAMBDA (MESSAGEFORM TITLE WINDOW MODE) ; Edited 3-Nov-89 16:16 by bvm

```

;;; Editor for Mail system Lafite -- Handles the process mechanism right

;;; Assumes that it's running in a separate process created above

```

(PROG ((MENU (MAKELAFITEDELIVERMENU))
  EDITWINDOW LAYOUT REGION)

```

```

[COND
  (NOT TITLE)
  (SETQ TITLE "Message Editor")
  (if (AND MODE (LAFITE.SHOW.MODE.P))
    then (SETQ TITLE (CONCAT TITLE " (" MODE ")")])
[COND
  ((WINDOWP (SETQ EDITWINDOW WINDOW))
  (WINDOWPROP EDITWINDOW 'TITLE TITLE)
  (for W in (ATTACHEDWINDOWS EDITWINDOW) when (WINDOWPROP W 'MENUWINDOW)
    do
      (LET [(OLDMENU (CAR (WINDOWPROP W 'MENU)
        (if (if (NULL OLDMENU)
          then
            T ; E.g., after ABORT got removed
          elseif (NOT (EQUAL (fetch (MENU ITEMS) of MENU)
            (fetch (MENU ITEMS) of OLDMENU)))
          then (DELETEMENU OLDMENU NIL W) ; Get rid of different menu
            T
          else (SETQ MENU OLDMENU) ; They're the same, don't fuss
            NIL)
          else (ADDMENU MENU W '(0 . 0)) ; Now make it fit
            (MENUWRESHAPEFN W))
      (RETURN)
    finally
      (ATTACHWINDOW (SETQ W (MENUWINDOW MENU))
        EDITWINDOW
        'TOP)
      (WINDOWPROP W 'MENUWINDOW T))
  (T (SETQ REGION (if (for old LAYOUT in LAFITE.EDITOR.LAYOUTS
    unless (for WINDOW in LAFITECURRENTEDITORWINDOWS
      thereis (EQ (WINDOWPROP WINDOW 'LAFITE.LAYOUT)
        LAYOUT))
    do
      (RETURN (CAR LAYOUT)) ; Use first layout not already in use
    elseif (AND (NULL LAFITECURRENTEDITORWINDOWS)
      (type? REGION LAFITEEDITORREGION))
      then
        LAFITEEDITORREGION ; Old way of doing this for a single window
    elseif LAFITE.EDITOR.SIZE
      then
        (GETBOXREGION (CAR LAFITE.EDITOR.SIZE)
          (CDR LAFITE.EDITOR.SIZE)) ; Get window of appropriate size
    else (GETREGION)))
  [SETQ EDITWINDOW (CREATEMENUWINDOW MENU TITLE 'TOP (create REGION
    using REGION HEIGHT _
      (- (fetch (REGION HEIGHT)
        of REGION)
      (HEIGHTIFWINDOW
        (FONTPROP LAFITEEDITORFONT
          'HEIGHT]
  (WINDOWPROP (CAR (ATTACHEDWINDOWS EDITWINDOW))
    'MENUWINDOW T)
  (if LAYOUT
    then (WINDOWPROP EDITWINDOW 'LAFITE.LAYOUT LAYOUT)
      (WINDOWPROP EDITWINDOW 'ICONPOSITION (CADR LAYOUT)
  (GETPROMPTWINDOW EDITWINDOW 1 LAFITEEDITORFONT)
[COND
  (NIL ; don't let TEDIT close the window
  (WINDOWADDPROP EDITWINDOW 'CLOSEFN 'DON'T]
  (PROGN (WINDOWDELPROP EDITWINDOW 'CLOSEFN (FUNCTION CLOSEATTACHEDWINDOWS))
    ; On closing, get rid of attachments, don't just close them
    (WINDOWADDPROP EDITWINDOW 'CLOSEFN (FUNCTION DETACHALLWINDOWS))
    (WINDOWADDPROP EDITWINDOW 'CLOSEFN (FUNCTION \LAFITE.CLOSEMSG?)
      T))
  (WINDOWPROP EDITWINDOW 'ICONFN (FUNCTION \LAFITE.UNSENT.ICON))
  (WINDOWPROP EDITWINDOW 'PROCESS (THIS.PROCESS)) ; Associate this process with the edit window
  (replace (MENU WHENSELECTEDFN) of MENU with (FUNCTION DOLAFITESENDINGCOMMAND)) ; Enable the menu
  (RETURN EDITWINDOW])

```

(MAKELAFITEDELIVERMENU

```

[LAMBDA NIL ; (* bvm%: "28-Mar-84 12:47")
  (create MENU
    ITEMS _ LAFITESENDINGMENUITEMS
    CENTERFLG _ T
    MENUFONT _ LAFITEMENUFONT
    WHENSELECTEDFN _ (FUNCTION DOLAFITESENDINGCOMMAND])

```

(\LAFITE.CLOSEMSG?

```

[LAMBDA (WINDOW) ; Edited 3-Sep-87 17:21 by bvm:
  ;; This is the first CLOSEFN on a message sending window. If contents have changed, get confirmation
  (LET [(TEXTSTREAM (WINDOWPROP WINDOW 'TEXTSTREAM)
  (COND

```



```

((OR (NULL TEXTSTREAM)
      (NOT (TEDIT.STREAMCHANGEDP TEXTSTREAM))) ; TEXTSTREAM is null once TEdit's gotten thru with it.
      NIL)
(MOUSECONFIRM "Message has been edited -- LEFT to flush anyway" T (GETPROMPTWINDOW WINDOW))
(TEDIT.STREAMCHANGEDP TEXTSTREAM T) ; Reset bit so question doesn't get asked a second time
NIL)
(T 'DON'T))

```

(\LAFITE.AFTER.DELIVER

```

[LAMBDA (EDITORWINDOW TEXTSTREAM PARSE) ; Edited 30-May-90 16:25 by bvm
  (TEDIT.ASSURE.NO.BACKING.FILE TEXTSTREAM) ; In case the backing file gets deleted
  (\OUTBOX.ADD.ITEM TEXTSTREAM (OR (CAR PARSE)
                                   UNSUPPLIEDFIELDSTR))
  [LET ((FORMNAME (WINDOWPROP EDITORWINDOW 'LAFITEFORM NIL)))
    (if (AND FORMNAME (EQ (CAR (UNPACKFILENAME.STRING FORMNAME))
                          'NAME))
      then ;; See if user wants to keep the form, or if it was saved just as a checkpoint. Do this only for files saved in primary directory
        (LET* ((PWINDOW (GETPROMPTWINDOW EDITORWINDOW))
              [MENUW (find w in (ATTACHEDWINDOWS EDITORWINDOW) suchthat (WINDOWPROP W 'MENUWINDOW)
                             (MENU (create MENU
                                     ITEMS _ '("Delete File" T "Delete the file(s) in which this message was
                                               earlier saved."
                                               ("Retain Saved Form" NIL "Don't delete the saved form, I want to
                                               use it again."))
              WHENSELECTEDFN _ [FUNCTION (LAMBDA (ITEM MENU KEY)
                                         (LET ((W (WFROMMENU MENU)))
                                             (WINDOWPROP W 'RESULT ITEM)
                                             (SHADEITEM ITEM MENU LAFITEITEMBUSYSHADE)]
                                         MENUFONT _ LAFITEMENUFONT
                                         CENTERFLG _ T
                                         ITEMWIDTH _ (IQUOTIENT (WINDOWPROP PWINDOW 'WIDTH)
                                                                2)
                                         MENUROWS _ 1))
              RESULT
              (MSG (CONCAT "Delivery complete. Do you want to delete the saved form of this message
                          (" FORMNAME ")?"))
              (\LA.ASSURE.PROMPT.WINDOW EDITORWINDOW MSG)
              (TERPRI PWINDOW)
              (PRIN3 MSG PWINDOW)
              (ADDMENU MENU MENUW '(0 . 0))
              (until (SETQ RESULT (WINDOWPROP MENUW 'RESULT)) do (BLOCK 500))
              (if (CADR RESULT)
                  then (PRINTOUT PWINDOW T "Deleting file(s)... " (if (\LAFITE.DELETE.FORM.INTERNAL
                                                                      FORMNAME)
                                                                      then "done."
                                                                      else "failed."))
                  nil)
              (DETACHALLWINDOWS EDITORWINDOW)
              (CLOSEW EDITORWINDOW])

```

(\LAFITE.UNSENT.ICON

```

[LAMBDA (WINDOW OLDICON) ; Edited 24-Sep-87 16:58 by bvm:
  (TITLEDICONW LAFITE.MSG.ICON (\LAFITE.FETCH.SUBJECT (WINDOWPROP WINDOW 'TEXTSTREAM))
  LAFITEMSGICONFONT
  (WINDOWPROP WINDOW 'ICONPOSITION)
  T))

```

(\LAFITE.FETCH.SUBJECT

```

[LAMBDA (TEXTSTREAM) ; (* bvm%: " 2-Mar-86 16:27")
  (COND
    (TEXTSTREAM (RESETLST
                 [RESETSAVE NIL (LIST (FUNCTION SETFILEINFO)
                                       TEXTSTREAM
                                       'ENDOFSTREAMOP
                                       (GETFILEINFO TEXTSTREAM 'ENDOFSTREAMOP)]
                 (SETFILEINFO TEXTSTREAM 'ENDOFSTREAMOP (FUNCTION \LAFITE.EOF))
                 (LET ((STR (LAFITE.PARSE.HEADER TEXTSTREAM \LAPARSE.SUBJECTFIELD 0 NIL T)))
                   (COND
                     ((STRING-EQUAL STR SUBJECTSTR)
                      UNSUPPLIEDFIELDSTR)
                     (T STR))))))

```

(\LAFITE.SENDMESSAGE

```

[LAMBDA (MESSAGEFORM) ; Edited 7-Feb-2022 11:55 by rmk
  ; Edited 12-Sep-88 14:07 by bvm

```

;;; this is the external interface to sending a message

```

(SETQ MESSAGEFORM (OPENTEXTSTREAM (OPENSTRINGSTREAM MESSAGEFORM)))
(LET* ((MODE (TEXTPROP MESSAGEFORM 'LAFITEMODE))
       (*LAFITE-MODE-DATA* (\LAFITE.GET.USER.DATA MODE))
       PARSE)
  (AND *LAFITE-MODE-DATA* (SETQ PARSE (CL:FUNCALL (fetch (LAFITEMODEDATA SENDPARSER) of

```

LAFITE-MODE-DATA

```

)
MESSAGEFORM))
(CL:FUNCALL (fetch (LAFITEMODEDATA SENDER) of *LAFITE-MODE-DATA*)
MESSAGEFORM PARSE])

```

(\SENDMESSAGE0

; Edited 12-Sep-88 14:04 by bvm

```

[LAMBDA (TEXTSTREAM WINDOW PARSE)
  (PROG ((PWINDOW (GETPROMPTWINDOW WINDOW))
    *LAFITE-MODE-DATA* MENUW OLDMENU ABORTMENU RESULT)
    (for W in (ATTACHEDWINDOWS WINDOW) when [SETQ OLDMENU (CAR (WINDOWPROP W 'MENU)
      do (SETQ MENUW W)
        (DELETEMENU OLDMENU NIL MENUW) ; Remove Deliver menu, add Abort menu
        (ADDMENU (SETQ ABORTMENU (create MENU
          ITEMS _ (('("Abort" NIL "Abort delivery of this message"))
          WHENSELECTEDFN _ (FUNCTION \SENDMESSAGE.ABORT)
          MENUFONT _ LAFITEMENUFONT
          CENTERFLG _ T
          ITEMWIDTH _ (fetch ITEMWIDTH of OLDMENU)))
          MENUW
          '(0 . 0))
        (RETURN))
    [if [NULL (SETQ *LAFITE-MODE-DATA* (\LAFITE.GET.USER.DATA (TEXTPROP TEXTSTREAM 'LAFITEMODE]
      then (printout PWINDOW "Failed to authenticate user.")
      else [SETQ RESULT (ERSETQ (RESETLST
        (CL:FUNCALL (fetch (LAFITEMODEDATA SENDER) of *LAFITE-MODE-DATA*)
          TEXTSTREAM PARSE WINDOW MENUW))])
        (COND
          ((NULL RESULT)
            (printout PWINDOW "aborted.))
            ((SETQ RESULT (CAR RESULT))
              (printout PWINDOW "done.))
          (RETURN (COND
            (RESULT ; Success
              (CLOSEF TEXTSTREAM) ; Explicit Close here after successful delivery so that TEdit can
              ; close any files it might have open
              RESULT) ; Restore Deliver menu
            (T
              (COND
                ((WINDOWPROP MENUW 'MENU)
                  (DELETEMENU ABORTMENU NIL MENUW)))
                (ADDMENU OLDMENU MENUW '(0 . 0)
                  NIL)
                (WINDOWPROP MENUW 'ABORT NIL)
                NIL]))

```

(LA.ASSURE.PROMPT.WINDOW

(* bvm%: "24-Feb-85 18:33")

::: Returns prompt window for MAINWINDOW assuring that it is big enough to print MESS1 and MESS2

```

[LET ((PWINDOW (GETPROMPTWINDOW MAINWINDOW))
  %#LINES)
  (COND
    ((> [SETQ %#LINES (QUOTIENT (+ (STRINGWIDTH MESS1 PWINDOW)
      (COND
        (MESS2 (STRINGWIDTH MESS2 PWINDOW))
        (T 0)))
      (WINDOWPROP PWINDOW 'WIDTH]
      0) ; Make sure prompt window is big enough
    (GETPROMPTWINDOW MAINWINDOW (ADD1 %#LINES))
    (T PWINDOW]))

```

(\LAFITE.SEND.FAIL

(* bvm%: "24-Feb-85 18:38")

```

[LAMBDA (EDITORWINDOW ERRMSG)
  ;; Print a message explaining why delivery failed
  (LET ((FULLMSG (CONCAT "Delivery failed -- " ERRMSG)
    PWINDOW)
    [COND
      [EDITORWINDOW (CLEARW (SETQ PWINDOW (LA.ASSURE.PROMPT.WINDOW EDITORWINDOW FULLMSG)
        (T (TERPRI (SETQ PWINDOW PROMPTWINDOW)
          (PRIN3 FULLMSG PWINDOW)
          NIL]))

```

(\LAFITE.INVALID.RECIPIENTS

(* bvm%: " 5-Nov-84 15:26")

::: Returns an 'invalid recipients' error string

```

(PROG (NAME)
  (SETQ NAME (for RECIPIENT in NAMES join (LIST ", " RECIPIENT)))
  (RPLACA NAME ": "))

```

```
(COND
  ((CDR NAMES)
   (push NAME "s"))
 (RETURN (CONCATLIST (CONS "Invalid recipient" NAME)))
```

(\SENDMESSAGE.ABORT

```
[LAMBDA (ITEM MENU KEY)
```

(* bvm%: " 1-Jun-84 12:21")
; The WHENSELECTEDFN for the Abort menu

```
(PROG ((W (WFROMMENU MENU)))
 (WINDOWPROP W 'ABORT T)
 (SHADEITEM ITEM MENU LAFITEITEMBUSYSHADE])
```

)

:: Outbox hacking

(DEFINEQ

(\OUTBOX.CREATE

```
[LAMBDA NIL
```

(* bvm%: "21-Dec-84 22:35")

```
(PROG (FONT N LINES W FONTHEIGHT)
 (OR (AND LAFITESTATUSWINDOW (FIXP (SETQ N LINES LAFITEOUTBOXSIZE))
      (IGREATERP N LINES 0))
 (RETURN))
 (SETQ FONTHEIGHT (FONTPROP (SETQ FONT LAFITEBROWSERFONT)
                             'HEIGHT))
 (SETQ W (CREATEW (CREATEREGION 0 0 (WINDOWPROP LAFITESTATUSWINDOW 'WIDTH)
          (HEIGHTIFWINDOW (ITIMES N LINES FONTHEIGHT)
                          T))
                "Delivered Messages" NIL T))
 (ATTACHWINDOW W LAFITESTATUSWINDOW 'BOTTOM 'JUSTIFY 'LOCALCLOSE)
 (DSPFONT FONT W)
 (WINDOWADDPROP W 'CLOSEFN (FUNCTION \OUTBOX.CLOSEFN))
 (WINDOWPROP W 'REPAINTFN (FUNCTION \OUTBOX.REPAINTFN))
 (WINDOWPROP W 'BUTTONEVENTFN (FUNCTION \OUTBOX.BUTTONFN))
 (WINDOWPROP W 'RESHAPEFN (FUNCTION \OUTBOX.RESHAPEFN))
 (WINDOWPROP W 'MINSIZE (CONS 0 (HEIGHTIFWINDOW FONTHEIGHT T)))
 (RETURN (SETQ \LAFITE.OUTBOX (\OUTBOX.RESET (create OUTBOX
                                                    OBWINDOW _ W
                                                    OBSIZE _ N LINES
                                                    OBHEIGHT _ FONTHEIGHT
                                                    OBDESCENT _ (FONTPROP FONT 'DESCENT]))
```

(\OUTBOX.RESET

```
[LAMBDA (OUTBOX)
```

(* bvm%: " 9-Nov-84 16:29")

```
(PROG ((WINDOW (fetch OBWINDOW of OUTBOX)))
 (CLEARW WINDOW)
 (LINELENGTH MAX.SMALLP WINDOW)
 (DSPRIGHTMARGIN MAX.SMALLP WINDOW)
 (replace OBORIGIN of OUTBOX with (IPLUS (DSPYPOSITION NIL WINDOW)
      (fetch OBHEIGHT of OUTBOX)))
 (RETURN OUTBOX])
```

(\OUTBOX.CLOSEFN

```
[LAMBDA (WINDOW)
```

(* bvm%: " 8-Nov-84 16:02")

```
(SETQ \LAFITE.OUTBOX])
```

(\OUTBOX.REPAINTFN

```
[LAMBDA (WINDOW REGION)
```

(* bvm%: "13-Nov-84 10:57")

```
(PROG ((OUTBOX \LAFITE.OUTBOX))
 (OR (EQ WINDOW (fetch OBWINDOW of OUTBOX))
 (RETURN))
 (MOVETO 0 (IDIFFERENCE (fetch OBORIGIN of OUTBOX)
                        (fetch OBHEIGHT of OUTBOX))
        WINDOW)
 (for ITEM in (fetch OBITEMS of OUTBOX) do (\OUTBOX.DISPLAYLINE OUTBOX ITEM)
 (TERPRI WINDOW])
```

(\OUTBOX.RESHAPEFN

```
[LAMBDA (WINDOW OLDIMAGE IMAGEREGION OLDScreenREGION)
```

(* bvm%: "13-Nov-84 10:57")

```
(COND
 ((EQ WINDOW (fetch OBWINDOW of \LAFITE.OUTBOX))
 (PROG ((N LINES (IQUOTIENT (WINDOWPROP WINDOW 'HEIGHT)
                            (fetch OBHEIGHT of \LAFITE.OUTBOX)))
        (OLDSIZE (fetch OBSIZE of \LAFITE.OUTBOX))
        N ITEMS)
 [COND
 ((NEQ N LINES OLDSIZE)
 (replace OBSIZE of \LAFITE.OUTBOX with N LINES)
 (COND
 ((AND (ILESSP N LINES OLDSIZE)
        (IGREATERP (SETQ N (IDIFFERENCE (LENGTH (SETQ ITEMS (fetch OBITEMS of \LAFITE.OUTBOX))
```

```

)
NLINES))
0))
(replace OBITEMS of \LAFITE.OUTBOX with (CDR (NTH ITEMS N]
(\OUTBOX.RESET \LAFITE.OUTBOX)
(REDISPLAYW WINDOW))

```

(\OUTBOX.SHADEITEM

[LAMBDA (OUTBOX ITEM N SHADE OPERATION)

; Edited 3-Sep-87 17:24 by bvm:

::: Shade the indicated ITEM in OUTBOX using texture SHADE blted with OPERATION

```

(PROG ((W (fetch OBWINDOW of OUTBOX))
HEIGHT)
(BLTSHADE SHADE W 0 (- (fetch OBORIGIN of OUTBOX)
(+ (ITIMES N (SETQ HEIGHT (fetch OBHEIGHT of OUTBOX)))
(fetch OBDESCENT of OUTBOX)))
NIL HEIGHT OPERATION)
(COND
(EQ OPERATION 'REPLACE)
(\OUTBOX.DISPLAYLINE OUTBOX ITEM N])

```

(\OUTBOX.BUTTONFN

[LAMBDA (WINDOW)

(* bvm%: "13-Nov-84 10:58")

::: BUTTONEVENTFN for the outbox. If a message is selected, edit it

```

(PROG ((SELECTIONREGION (DSPCLIPPINGREGION NIL WINDOW))
(OUTBOX \LAFITE.OUTBOX)
SELECTED SEL# NEWSSEL# ITEMS HEIGHT ORIGIN DESCENT LASTX LASTY MAXITEM)
(COND
((OR (NOT (SETQ ITEMS (fetch OBITEMS of OUTBOX)))
(NEQ WINDOW (fetch OBWINDOW of OUTBOX))) ; Nothing to select
(RETURN)))
(SETQ MAXITEM (LENGTH ITEMS))
(SETQ HEIGHT (fetch OBHEIGHT of OUTBOX))
(SETQ DESCENT (fetch OBDESCENT of OUTBOX))
(SETQ ORIGIN (fetch OBORIGIN of OUTBOX))

```

::: keep looping until all mouse buttons are up

```

(do (GETMOUSESTATE)
(COND
[OR [NOT (INSIDEP SELECTIONREGION (SETQ LASTX (LASTMOUSEX WINDOW))
(SETQ LASTY (LASTMOUSEY WINDOW))
(> (SETQ NEWSSEL# (ADD1 (QUOTIENT (- ORIGIN (+ LASTY DESCENT))
HEIGHT)))
MAXITEM))

```

::: I would like to just return here and let the next window take over, but current mouse arrangement means I'll never get control
::: back unless user lets up on mouse

```

[COND
(SELECTED (\OUTBOX.SHADEITEM OUTBOX SELECTED SEL# BLACKSHADE 'INVERT)
(SETQ SELECTED (SETQ SEL# NIL))
(COND
(LASTMOUSESTATE UP)
(RETURN))
(T (BLOCK]
((LASTMOUSESTATE UP) ; Let mouse up while over a selection. Do it
[COND
(SELECTED (\LAFITE.PROCESS [LIST (FUNCTION \SENDMESSAGE)
(KWOTE (COPYTEXTSTREAM (fetch OBTEXT of SELECTED]
'MESSAGESENDER T 'NO)
(\OUTBOX.SHADEITEM OUTBOX SELECTED SEL# BLACKSHADE 'INVERT]
(RETURN))
(NEQ NEWSSEL# SEL#)
[COND
(SELECTED (\OUTBOX.SHADEITEM OUTBOX SELECTED SEL# BLACKSHADE 'INVERT]
(\OUTBOX.SHADEITEM OUTBOX [SETQ SELECTED (CAR (NTH ITEMS (SETQ SEL# NEWSSEL#]
SEL# BLACKSHADE 'INVERT]))

```

(\OUTBOX.DISPLAYLINE

[LAMBDA (OUTBOX ITEM N)

(* bvm%: " 8-Nov-84 21:35")

```

(PROG ((W (fetch OBWINDOW of OUTBOX)))
(COND
(N (MOVETO 0 (IDIFFERENCE (fetch OBORIGIN of OUTBOX)
(ITIMES N (fetch OBHEIGHT of OUTBOX)))
W)))
(printout W (fetch OBIDATE of ITEM)
%,,
(fetch OBISUBJECT of ITEM]))

```

(\OUTBOX.ADD.ITEM

[LAMBDA (TEXTSTREAM SUBJECT)

; Edited 3-Sep-87 18:08 by bvm:

```

(PROG ((OUTBOX (OR \LAFITE.OUTBOX (\OUTBOX.CREATE)))
  W N ITEM BOTTOM HEIGHT ITEMS)
  (OR OUTBOX (RETURN))
  [COND
    ((>= [SETQ N (LENGTH (SETQ ITEMS (fetch OBITEMS of OUTBOX)
      (fetch OBSIZE of OUTBOX))
      (replace OBITEMS of OUTBOX with (SETQ ITEMS (CDR ITEMS)))
      (BITBLT (SETQ W (fetch OBWINDOW of OUTBOX))
        0
        [SETQ BOTTOM (- (fetch OBORIGIN of OUTBOX)
          (+ (ITIMES N (SETQ HEIGHT (fetch OBHEIGHT of OUTBOX))
            (fetch OBDESCENT of OUTBOX))
          W 0 (+ BOTTOM HEIGHT)
          NIL
          (ITIMES HEIGHT (SUB1 N))
          'INPUT
          'REPLACE)
        (BLTSHADE WHITESHADE W 0 BOTTOM NIL HEIGHT 'REPLACE))
      (T (SETQ N (ADD1 N)
      [replace OBITEMS of OUTBOX with (NCONC1 ITEMS (SETQ ITEM (create OUTBOXITEM
        OBITEXT _ TEXTSTREAM
        OBIDATE _ (DATE (DATEFORMAT NO.DATE
          NO.SECONDS))
        OBISUBJECT _ SUBJECT]
      (\OUTBOX.DISPLAYLINE OUTBOX ITEM N])
  )
)

```

(RPAQ? LAFITEOUTBOXSIZE 2)

(RPAQ? \LAFITE.OUTBOX)

(DECLARE%: EVAL@COMPILE DONTCOPY

(DECLARE%: EVAL@COMPILE

(RECORD OUTBOXITEM (OBITEXT OBIDATE OBISUBJECT OBIWINDOW))
)

(DECLARE%: DOEVAL@COMPILE DONTCOPY

(GLOBALVARS LAFITEOUTBOXSIZE)
)

:: Built-in message forms

(DEFINEQ

(\LAFITE.MESSAGEFORM

[LAMBDA (ITEM MENU BUTTON) ; Edited 23-Feb-89 12:50 by bvm

```

(COND
  ((NULL (OR \LAFITEMODE (\LAFITE.INFER.MODE)))
    (printout PROMPTWINDOW T "Must set Lafite Mode before sending mail"))
  (T (RESETLST
    (AND ITEM (LA.RESETSHADE ITEM MENU))
    [PROG ((*UPPER-CASE-FILE-NAMES* NIL)
      FORM FORMNAME FULLFORMNAME)
    (COND
      ((EQ BUTTON 'LEFT)
        (SETQ FORM (MAKENEWMESSAGEFORM))
        ([NOT (SETQ FORM (MENU (.LAFITEMENU. LAFITEFORMSMENU (APPEND (
          MAKELAFITEPRIVATEFORMSITEMS
            "Use the form defined in
            this file."
          LAFITESPECIALFORMS
          LAFITEFORMSMENUITEMS)
          "Message Forms"]
          (RETURN))
          (EQ FORM '%##ANOTHERFORM##) ; user buttoned 'Another Form'
          (OR (SETQ FORMNAME (PROMPTFORFILENAME))
            (RETURN)))
          (DEFINEDP FORM)
          (OR (SETQ FORM (CL:FUNCALL FORM))
            (RETURN)))
          [(BOUNDP FORM)
            (SETQ FORM (OR (EVALV FORM)
              (MAKENEWMESSAGEFORM]
          (T
            (SETQ FORMNAME FORM)) ; other private form
          (COND
            ((NULL FORMNAME) ; Have form already
          )
          ([OR (SETQ FULLFORMNAME (INFILEP (LA.LONGFILENAME FORMNAME LAFITEFORM.EXT)))
            (AND LAFITEFORMDIRECTORIES (SETQ FULLFORMNAME (FINDFILE (PACKFILENAME.STRING
              'BODY FORMNAME 'EXTENSION

```

```

; read the form and return it
LAFITEFORM.EXT)
T LAFITEFORMDIRECTORIES]
(COND
  ((NOT (CL:MEMBER (SETQ FORMNAME (LA.SHORTFILENAME FULLFORMNAME LAFITEFORM.EXT))
    LAFITEFORMFILES :TEST 'STRING-EQUAL))
    (push LAFITEFORMFILES FORMNAME)
    (SETQ \LAFITEPROFILECHANGED T)
    (SETQ LAFITEFORMSMENU))
    (SETQ FORM (\LAFITE.READ.FORM FULLFORMNAME)))
  (T (printout PROMPTWINDOW T FORMNAME " not found.")
    (RETURN)))
(ADD.PROCESS (LIST (FUNCTION \SENDMESSAGE)
  (KWOTE FORM)
  NIL
  (KWOTE FORMNAME))
  'NAME
  'MESSAGESENDER
  'RESTARTABLE
  'NO)
  ; Finally, start authenticating if we haven't yet.
(\LAFITE.GET.USER.DATA (AND (TEXTSTREAMP FORM)
  (TEXTPROP FORM 'LAFITEMODE]]))

```

(MAKELAFITESUPPORTFORM

```

[LAMBDA NIL (* bvm%: "12-Mar-85 00:39")
  (MAKEXXSUPPORTFORM "Lafite" LAFITESUPPORT LAFITESYSTEMDATE)]

```

(MAKELISPSUPPORTFORM

```

[LAMBDA NIL (* bvm%: "12-Mar-85 00:39")
  (MAKEXXSUPPORTFORM "Lisp" LISPSUPPORT)]

```

(MAKEXXSUPPORTFORM

```

[LAMBDA (SYSTEMNAME ADDRESS SYSTEMDATE) ; Edited 7-Feb-2022 11:56 by rmk
; Edited 3-May-89 18:37 by bvm
  (PROG ((SUBJFIELD ">>Terse summary of problem<<")
    (UCODEVERSION (MICROCODEVERSION))
    (SCRATCH (OPENSTREAM "{nodircore}" 'BOTH))
    TEXTSTREAM SELECTPOSITION MODE)
    [COND
      [(LISTP ADDRESS) ; Mode-dependent address. Pick the first address that's in a
; mode we know how to send
      (SETQ ADDRESS (for PAIR in ADDRESS when (\LAFITE.GET.USER.DATA (SETQ MODE (CAR PAIR)))
        do (RETURN (CADR PAIR)]
      (T ; Just send in current mode
      (SETQ MODE (fetch LAFITEMODE of \LAFITEMODE]
    (COND
      ((NOT ADDRESS)
      (printout PROMPTWINDOW T "Can't -- no address known for " SYSTEMNAME " report.")
      (RETURN)))
      (SETQ TEXTSTREAM (OPENTEXTSTREAM (OPENSTRINGSTREAM (CONCAT "Subject: " SYSTEMNAME ": ")))
        NIL NIL NIL (LIST 'FONT LAFITEEDITORFONT))
      (SETQ SELECTPOSITION (ADD1 (GETEOFPTR TEXTSTREAM)))
      (PROGN ; Now write the main stuff to a scratch stream. faster than
; bouting a byte at a time to tedit
      (printout SCRATCH SUBJFIELD T)
      (printout SCRATCH "To: " ADDRESS T)
      (printout SCRATCH "cc: " (FULLUSERNAME NIL MODE)
        T T)
      (COND
        (SYSTEMDATE (printout SCRATCH SYSTEMNAME " System Date: " SYSTEMDATE T)))
      (printout SCRATCH "Lisp System Date: " MAKESYSDATE " (" (L-CASE (MKSTRING MAKESYSNAME)
        T)
        )" T)
      (printout SCRATCH "Machine: " (OR \LAFITE.REPORT.MACHINE (PROGN (SETQ \LAFITE.REPORT.MACHINE
        (L-CASE (MACHINETYPE)
        T))
        [COND
          ((EQ \PUP.READY T)
          (SETQ
            \LAFITE.REPORT.MACHINE
            (CONCAT
              \LAFITE.REPORT.MACHINE
              " ("
              (ETHERHOSTNAME
                NIL T)
              ")")
            \LAFITE.REPORT.MACHINE))
          T)
      (printout SCRATCH "Microcode version: " .I1.8 (fetch HIBYTE of UCODEVERSION)
        ", " .I1.8 (fetch LOBYTE of UCODEVERSION)
        T)
      (printout SCRATCH "Memory size: " .I4.8 (REALMEMORYSIZE)
        T)
      (printout SCRATCH "Frequency: >> Always, Intermittent, Once <<

```

```

Impact: >> Fatal, Serious, Moderate, Annoying, Minor <<" T T)
(printout SCRATCH ">>detailed problem description<<" T))
(TEDIT.SETSEL TEXTSTREAM SELECTPOSITION 0 'RIGHT)
(TEDIT.INCLUDE TEXTSTREAM SCRATCH)
(TEDIT.SETSEL TEXTSTREAM SELECTPOSITION (NCHARS SUBJFIELD)
'RIGHT T)
(TEXTPROP TEXTSTREAM 'LAFITEMODE MODE)
(RETURN TEXTSTREAM])

```

(MAKENEWMESSAGEFORM

```

[LAMBDA NIL ; Edited 7-Feb-2022 11:56 by rmk
; Edited 6-Jun-88 12:22 by bvm
(LET ((OUTSTREAM (OPENTEXTSTREAM NIL NIL NIL NIL (LIST 'FONT LAFITEEDITORFONT))
SELECTPOSITION)
(printout OUTSTREAM "Subject: ")
(SETQ SELECTPOSITION (ADD1 (GETFILEPTR OUTSTREAM)))
(printout OUTSTREAM SUBJECTSTR T)
(printout OUTSTREAM "To: " RECIPIENTSSTR T)
(printout OUTSTREAM "cc: " (FULLUSERNAME)
T T)
(printout OUTSTREAM MESSAGESTR T)
(if LAFITE.SIGNATURE ; Pre-sign it
then
(PRIN3 LAFITE.SIGNATURE OUTSTREAM))
(TEDIT.SETSEL OUTSTREAM SELECTPOSITION (NCHARS SUBJECTSTR)
'RIGHT T)
OUTSTREAM])

```

(MAKELAFITEPRIVATEFORMSITEMS

```

[LAMBDA (HELPSTR) ; Edited 23-Feb-89 12:38 by bvm
(for FORMFILE in (SORT LAFITEFORMFILES) when FORMFILE collect ` (, (if (U-CASEP FORMFILE)
then (CL:STRING-CAPITALIZE FORMFILE)
else FORMFILE)
',FORMFILE
',HELPSTR])

```

(\LAFITE.UNCACHE.MESSAGEFORM

```

[LAMBDA (ITEM MENU) ; Edited 8-Nov-89 12:38 by bvm
(LET ((FORM (\LAFITE.SELECT.FORM "Forget about this message form")))
(COND
(FORM (SETQ LAFITEFORMFILES (DREMOVE FORM LAFITEFORMFILES))
(SETQ \LAFITEPROFILECHANGED T)
(SETQ LAFITEFORMSMENU)
(printout PROMPTWINDOW T FORM " forgotten."))

```

(\LAFITE.DELETE.MESSAGEFORM

```

[LAMBDA (ITEM MENU) ; Edited 8-Nov-89 12:38 by bvm
(LET ((FORM (\LAFITE.SELECT.FORM "Delete this saved message")))
(if (AND FORM (PROGN (CLRSPROMPT)
(MOUSECONFIRM (CL:FORMAT NIL "Click LEFT to confirm deleting saved message '~A' "
FORM)
T PROMPTWINDOW)))
then (\LAFITE.DELETE.FORM.INTERNAL FORM])

```

(\LAFITE.SELECT.FORM

```

[LAMBDA (MSG) ; Edited 8-Nov-89 12:37 by bvm
(COND
((NULL LAFITEFORMFILES)
(printout PROMPTWINDOW T "You have no private message forms"))
(T (MENU (\LAFITE.CREATE.MENU (MAKELAFITEPRIVATEFORMSITEMS MSG)
"Private Forms"))

```

(\LAFITE.DELETE.FORM.INTERNAL

```

[LAMBDA (FORMNAME) ; Edited 8-Nov-89 12:34 by bvm
(LET ((*UPPER-CASE-FILE-NAMES* NIL)
(LONGNAME (LA.LONGFILENAME FORMNAME LAFITEFORM.EXT))
FULL)
(while (SETQ FULL (FULLNAME LONGNAME 'OLDEST)) do (if (NOT (DELFILE FULL))
then (PRINTOUT PROMPTWINDOW T "Could not delete "
FULL)
(RETURN NIL))
finally (SETQ LAFITEFORMFILES (CL:DELETE FORMNAME LAFITEFORMFILES :TEST 'STRING-EQUAL))
(SETQ \LAFITEPROFILECHANGED T)
(SETQ LAFITEFORMSMENU)
(PRINTOUT PROMPTWINDOW T FORMNAME " deleted.")
(RETURN T])

```

(\LAFITE.READ.FORM

```

[LAMBDA (FILE) ; Edited 18-Jul-2000 03:09 by rmk:
; Edited 18-Jul-2000 03:08 by rmk:

```

; Edited 2-Nov-89 15:55 by bvm

;;; copies the message form in the FILE into a text stream

```
(PROG ((TEXTSTREAM (OPENTEXTSTREAM [OPENSTREAM FILE 'INPUT NIL ' ((TYPE TEXT]
      NIL NIL NIL (LIST 'FONT LAFITEEDITORFONT)))
  NAME CH)
  (SETFILEPTR TEXTSTREAM 0)
  (COND
    ([OR (EQ (SETQ CH (BIN TEXTSTREAM))
      (CHARCODE %"))
      (AND (EQ CH (CHARCODE CR))
        (EQ (BIN TEXTSTREAM)
          (CHARCODE %"))
          ; Old-style form, get rid of surrounding double quotes
      (TEDIT.DELETE TEXTSTREAM 1 (ADD1 (GETFILEPTR TEXTSTREAM)))
      (TEDIT.DELETE TEXTSTREAM (GETEOFPTR TEXTSTREAM)
        1)))
    [bind [OPENMARKER _ (CONSTANT (ALLOCSTRING 1 (CHARCODE ^A)
      J
      (I _ 1) while (SETQ I (TEDIT.FIND TEXTSTREAM OPENMARKER I))
      do
      (COND
        ((AND (SETQ J (TEDIT.FIND TEXTSTREAM (CONSTANT (ALLOCSTRING 1 (CHARCODE ^B)))
          (ADD1 I)
          (IPLUS I 70)))
          (NOT (TEDIT.FIND TEXTSTREAM OPENMARKER (ADD1 I)
            J)))
          (TEDIT.DELETE TEXTSTREAM J 1)
          (TEDIT.INSERT TEXTSTREAM "<<" J)
          (TEDIT.DELETE TEXTSTREAM I 1)
          (TEDIT.INSERT TEXTSTREAM ">>" I)
          (SETQ I J)
          (T (RETURN)
        (bind (I _ 1) while (SETQ I (TEDIT.FIND TEXTSTREAM ">>Self<<" I)) do
          ; Replace '>>Self<<' with user name
          (OR NAME (SETQ NAME (FULLUSERNAME)
            ))
          (TEDIT.DELETE TEXTSTREAM I 8)
          (TEDIT.INSERT TEXTSTREAM NAME I)
          (SETFILEPTR TEXTSTREAM I)
          ; Patch around tedit bug...
          )
        (\LAFITE.FIND.TEMPLATE TEXTSTREAM)
        (RETURN TEXTSTREAM]))
```

(\LAFITE.FIND.TEMPLATE

(* bvm%: "22-Apr-84 23:59")

```
[LAMBDA (TEXTSTREAM)
  (LET (SELECTSTART)
    (COND
      ((SETQ SELECTSTART (TEDIT.FIND TEXTSTREAM ">>*<<" 1 NIL T))
        ; Wait until TEDIT.FIND gets fixed
        ; highlight the first 'blank' to fill in
      [COND
        ((LISTP SELECTSTART)
          (SETQ SELECTSTART (CAR SELECTSTART)
          (TEDIT.SETSEL TEXTSTREAM SELECTSTART (+ 2 (- (TEDIT.FIND TEXTSTREAM "<<" SELECTSTART)
            SELECTSTART))
          'RIGHT T)
          T)
        (T (TEDIT.SETSEL TEXTSTREAM 1 0 'LEFT]))
    )
```

;; ANSWER

(DEFINEQ

(\LAFITE.ANSWER

(* bvm%: "1-Feb-84 15:08")

```
[LAMBDA (WINDOW FOLDERDATA ITEM MENU)
  (ADD.PROCESS (LIST (FUNCTION \LAFITE.ANSWER.PROC)
    (KWOTE WINDOW)
    (KWOTE FOLDERDATA)
    (KWOTE ITEM)
    (KWOTE MENU))
    'NAME
    'MESSAGEANSWERER
    'RESTARTABLE
    'NO))
```

(\LAFITE.ANSWER.PROC

(* bvm%: "29-May-84 15:59")

```
[LAMBDA (WINDOW MAILFOLDER ITEM MENU)
  (PROG (MSGDESCRIPTOR FORM)
    [SETQ FORM (RESETLST
      (LA.RESETSHADE ITEM MENU)
      (WITH.MONITOR (fetch (MAILFOLDER FOLDERLOCK) of MAILFOLDER)
```



```

(\LAFITE.MAYBE.CLEAR.PROMPT MAILFOLDER)
(COND
  ((NOT (LAB.ASSURE.SELECTIONS MAILFOLDER))
    (MAKEANSWERFORM (SETQ MSGDESCRIPTOR (find MSGDESCRIPTOR selectedin MAILFOLDER
      MAILFOLDER))))))
(COND
  ((AND FORM (\SENDMESSAGE FORM))
    (WITH.MONITOR (fetch (MAILFOLDER FOLDERLOCK) of MAILFOLDER)
      [PROG ((MESSAGES (fetch (MAILFOLDER MESSAGEDESCRIPTORS) of MAILFOLDER))
        (COND
          ([AND MESSAGES (EQ MSGDESCRIPTOR (NTHMESSAGE MESSAGES (fetch (LAFITEMSG %#)
            of MSGDESCRIPTOR)
              ; If message got expunged since we constructed the answer
              ; form, we can't do anything
              (MARKMESSAGE MSGDESCRIPTOR MAILFOLDER ANSWERMARK))])

```

(MAKEANSWERFORM

```

[LAMBDA (MSGDESCRIPTORS MAILFOLDER) ; Edited 7-Feb-2022 11:58 by rmk
; Edited 10-Aug-89 17:28 by bvm

(LET* ((FIRSTMSG (if (LISTP MSGDESCRIPTORS)
  then (CAR MSGDESCRIPTORS)
  else MSGDESCRIPTORS))
  (MODEBITS (fetch (LAFITEMSG MODEBITS) of FIRSTMSG))
  (MODE (CL:NTH MODEBITS *LAFITE-WELL-KNOWN-MODES*))
  (if (NULL MODE)
    then (if [OR (NEQ MODEBITS 0)
      (NULL (SETQ MODE (\LAFITE.GUESS.MODE FIRSTMSG)
        then (LAB.PROMPTPRINT MAILFOLDER (if (EQ MODEBITS 0)
          then "Message of unknown protocol."
          else "Warning: This message was retrieved under a
            protocol not currently enabled."))
      (LAB.PROMPTPRINT MAILFOLDER "Will answer in " (SETQ MODE (fetch (LAFITEOPS LAFITEMODE)
        of \LAFITEMODE))
        " mode; this may not work. ")))
    ;; Currently we only pay attention to the first message. If we ever do otherwise, we'll want to notice whether the other messages are in the
    ;; same mode
    (LET ((*LAFITE-MODE-DATA* (\LAFITE.GET.USER.DATA MODE))
      MSG)
      ;; Before returning the form, tag it with a mail mode
      (if (NULL *LAFITE-MODE-DATA*)
        then (LAB.FORMAT MAILFOLDER "Failed: can't authenticate user in ~A mode" MODE)
        elseif (SETQ MSG (CL:FUNCALL (fetch (LAFITEMODEDATA ANSWERER) of *LAFITE-MODE-DATA*)
          MSGDESCRIPTORS MAILFOLDER))
          then (if (TEXTSTREAMP MSG)
            then (TEXTPROP MSG 'LAFITEMODE MODE)
            else (OPENTEXTSTREAM (OPENSTRINGSTREAM MSG)
              NIL NIL NIL `(LAFITEMODE ,MODE]))

```

(LA.PRINT.COMMA.LIST

```

[LAMBDA (STRINGS STREAM) ; Edited 6-Jun-88 12:50 by bvm
  (for STR in STRINGS bind NTHTIME when STR do (COND
    (NTHTIME (PRIN3 " , " STREAM))
    (T (SETQ NTHTIME T)))
    (PRIN3 STR STREAM])

```

(LAFITE.FILL.IN.ANSWER.FORM

```

[LAMBDA (SUBJECT FROM DATE TO CC ADDRESSPRINTFN) ; Edited 7-Feb-2022 11:58 by rmk
; Edited 10-Jun-88 17:19 by bvm

;; Construct an answer form replying to a message from FROM on DATE with specified SUBJECT. Reply should go to the lists of names TO and
;; CC. ADDRESSPRINTFN is a function that prints a list of names suitably for the protocol in question.

(LET ((OUTSTREAM (OPENTEXTSTREAM NIL NIL NIL NIL (LIST 'FONT LAFITEEDITORFONT)))
  SELECTPOSITION)
  (LINELENGTH MAX.SMALLP OUTSTREAM) ; Sigh, apparently text streams have linelength
  (PROGN (printout OUTSTREAM "Subject: ")
    (if SUBJECT
      then (COND
        ((NOT (STRING-EQUAL (SUBSTRING SUBJECT 1 3)
          "Re:"))
          (printout OUTSTREAM "Re: "))
          (printout OUTSTREAM SUBJECT)
        else (printout OUTSTREAM "(reply to message)"))
        (PROGN (printout OUTSTREAM T "In-reply-to: ")
          (if (NULL FROM)
            then (printout OUTSTREAM "your")
            else (printout OUTSTREAM FROM "'s"))
          (printout OUTSTREAM " message of " DATE T))
        (PROGN (printout OUTSTREAM "To: ")
          (if TO
            then (CL:FUNCALL ADDRESSPRINTFN TO OUTSTREAM)

```

```

else ; No to, so ask to fill in
  (printout OUTSTREAM RECIPIENTSSTR T)
  (TERPRI OUTSTREAM))
(COND
  (CC (printout OUTSTREAM "cc: ")
  (CL:FUNCALL ADDRESSPRINTFN CC OUTSTREAM)
  (TERPRI OUTSTREAM)))
(TERPRI OUTSTREAM)
(SETQ SELECTPOSITION (ADD1 (GETFILEPTR OUTSTREAM)))
(printout OUTSTREAM MESSAGESTR T)
(if LAFITE.SIGNATURE
  then ; Pre-sign it
    (PRIN3 LAFITE.SIGNATURE OUTSTREAM))
(TEDIT.SETSEL OUTSTREAM SELECTPOSITION (NCHARS MESSAGESTR
'RIGHT T)
OUTSTREAM])

```

)

:: FORWARD

(DEFINEQ

(\LAFITE.FORWARD

```

[LAMBDA (WINDOW MAILFOLDER ITEM MENU) ; (* bvm%: " 1-Feb-84 15:05")
  (ADD.PROCESS (LIST (FUNCTION \LAFITE.FORWARD.PROC)
                    (KQUOTE WINDOW)
                    (KQUOTE MAILFOLDER)
                    (KQUOTE ITEM)
                    (KQUOTE MENU))
    'NAME
    'MESSAGEFORWARDER
    'RESTARTABLE
    'NO))

```

(\LAFITE.FORWARD.PROC

```

[LAMBDA (WINDOW MAILFOLDER ITEM MENU) ; Edited 14-Oct-87 16:20 by bvm:
  (PROG (FORWARDEDMSG FORM)

```

:: the reason to get the MSG#S first is that they may have changed by the time \SENDMESSAGE finishes and then we would have marked the
:: wrong ones

```

(RESETLIST
  (OBTAIN.MONITORLOCK (fetch (MAILFOLDER FOLDERLOCK) of MAILFOLDER)
  NIL T)
  (LA.RESETSHADE ITEM MENU)
  (\LAFITE.MAYBE.CLEAR.PROMPT MAILFOLDER)
  [COND
    ((NOT (LAB.ASSURE.SELECTIONS MAILFOLDER))
     (SETQ FORM (MAKEFORWARDFORM WINDOW MAILFOLDER (SETQ FORWARDEDMSG (LAB.SELECTED.MESSAGES
MAILFOLDER)]))
  (COND
    ((AND FORM (\SENDMESSAGE FORM))
     (WITH.MONITOR (fetch (MAILFOLDER FOLDERLOCK) of MAILFOLDER)
      [PROG ((MESSAGES (fetch (MAILFOLDER MESSAGEDESCRIPTORS) of MAILFOLDER))
        (COND
          (MESSAGES ; Make sure folder hasn't been closed since
            (for MSG in FORWARDEDMSG when (EQ MSG (NTHMESSAGE MESSAGES (fetch (LAFITEMSG
%#)
of MSG))))
          do ; If message got expunged since we constructed the forward
            ; form, we can't do anything
            (MARKMESSAGE MSG MAILFOLDER FORWARDMARK)]))

```

(MAKEFORWARDFORM

```

[LAMBDA (WINDOW FOLDER MESSAGELIST) ; Edited 7-Feb-2022 11:59 by rmk
; Edited 5-Jan-90 17:46 by bvm

```

:: Make a message form that forwards each of the messages in MESSAGELIST

```

(PROG ((FOLDERSTREAM (\LAFITE.OPEN.FOLDER FOLDER 'INPUT :ABORT))
  (TEXTSTREAM (OPENTEXTSTREAM NIL NIL NIL NIL (LIST 'FONT LAFITEEDITORFONT)))
  (CURMSG (CAR MESSAGELIST))
  SUBJECT SELECTPOSITION SELECTLEN)
  (OR (fetch (LAFITEMSG PARSED?) of CURMSG)
  (LAFITE.PARSE.MSG.FOR.TOC CURMSG FOLDER))
  (LINELENGTH MAX.SMALLP TEXTSTREAM)
  (PRIN3 "Subject: " TEXTSTREAM)
  (COND
    ([OR LAFITEFORWARDSUBJECTSTR (NULL (SETQ SUBJECT (fetch (LAFITEMSG SUBJECT) of CURMSG))
  (SETQ SELECTPOSITION (ADD1 (GETFILEPTR TEXTSTREAM)))
  [SETQ SELECTLEN (NCHARS (SETQ SUBJECT (OR LAFITEFORWARDSUBJECTSTR SUBJECTSTR)
  (PRIN3 SUBJECT TEXTSTREAM))
  (T (CL:FORMAT TEXTSTREAM "[~@[~A: ~]~A]" (fetch (LAFITEMSG FROM) of CURMSG)
  SUBJECT)))
  (TERPRI TEXTSTREAM)
  (PRIN3 "To: " TEXTSTREAM)

```

```

(COND
  (NOT SELECTPOSITION)
  (SETQ SELECTPOSITION (ADD1 (GETFILEPTR TEXTSTREAM)))
  (SETQ SELECTLEN (NCHARS RECIPIENTSSTR)
  (CL:FORMAT TEXTSTREAM "~A
    cc: ~A

    ~A
    " RECIPIENTSSTR (FULLUSERNAME)
    (CAR LAFITEFORWARDSTRINGS))
  (if LAFITE.SIGNATURE
    then
      (PRIN3 LAFITE.SIGNATURE TEXTSTREAM)
      (TERPRI TEXTSTREAM)
      ; Sign it up here, after the user's inserted comments, if any
  (for MSGDESCRIPTOR in MESSAGELIST bind NTHTIME do (PRIN3 (COND
    (NTHTIME
      ; "Next message"
      (CADDR LAFITEFORWARDSTRINGS))
    (T
      ; "Begin forwarded messages"
      (SETQ NTHTIME T)
      (CADR LAFITEFORWARDSTRINGS)))
    TEXTSTREAM)
    (TERPRI TEXTSTREAM)
    (\LAFITE.APPEND.MESSAGE.BODY TEXTSTREAM FOLDERSTREAM
    MSGDESCRIPTOR \LAPARSE.DONT.FORWARD.HEADERS)
    (TERPRI TEXTSTREAM)
    (TEDIT.CARETLOOKS TEXTSTREAM LAFITEEDITORFONT))

  (PRIN3 (CADDR LAFITEFORWARDSTRINGS)
    TEXTSTREAM)
  (TERPRI TEXTSTREAM)
  (TEDIT.SETSEL TEXTSTREAM SELECTPOSITION SELECTLEN 'RIGHT T)
  (RETURN TEXTSTREAM])
)

(RPAQQ LAFITESENDINGMENUITEMS (("Deliver" '\SENDMSG.DELIVER "Send the message in the edit window")
  ("Reply To" '\SENDMSG.REPLYTO "Insert a Reply-to field in this message")
  ("Change Mode" '\UNIXMAIL.CHANGE.MODE "Change the mode (mail protocol) used to
    send this message.")
  ("Save" '\SENDMSG.SAVE.FORM "Save the message in a file for later use (retrieve
    with middle-button SendMail)"))))

(RPAQQ LAFITEFORMSMENUITEMS (("Saved Form" '%###ANOTHERFORM## "You will be asked to specify a filename for the
  form")
  ("Standard Form" (FUNCTION MAKENEWMESSAGEFORM)
    "A clean message form"))))

(RPAQQ LAFITEFORMATMENUITEMS (("Send Formatted Message" 'TEDIT)
  ("Send Plain Text" 'TEXT)
  ("Abort" 'ABORT)))

(RPAQQ LAFITEFORWARDSTRINGS (">>CoveringMessage<<" "
  " " ----- Begin Forwarded Messages -----
  " " ----- Next Message -----
  " " ----- End Forwarded Messages -----"))

(ADDTOVAR \SYSTEMCACHEVARS \LAFITE.REPORT.MACHINE)

(ADDTOVAR LAFITESPECIALFORMS ("Lisp Report" (FUNCTION MAKELISPSUPPORTFORM)
  "A form to report a Lisp bug or suggestion")
  ("Lafite Report" (FUNCTION MAKELAFITESUPPORTFORM)
  "A form to report a Lafite bug or suggestion"))

(ADDTOVAR LAFITEMENUVARS LAFITEFORMSMENU LAFITEFORMATMENU)

(RPAQ? \LAFITE.REPORT.MACHINE )

(RPAQ? LAFITECURRENTEDITORWINDOWS )

(RPAQ? LAFITEFORMFILES )

(RPAQ? LAFITEFORMSMENU )

(RPAQ? LAFITEFORMATMENU )

(RPAQ? LAFITEEDITORFONT LAFITEDISPLAYFONT)

(RPAQ? LAFITEFORM.EXT "Lafite-form")

(RPAQ? LAFITEFORMDIRECTORIES NIL)

(RPAQ? LAFITE.EDITOR.SIZE '(470 . 300))

(RPAQ? LAFITE.EDITOR.LAYOUTS NIL)

```

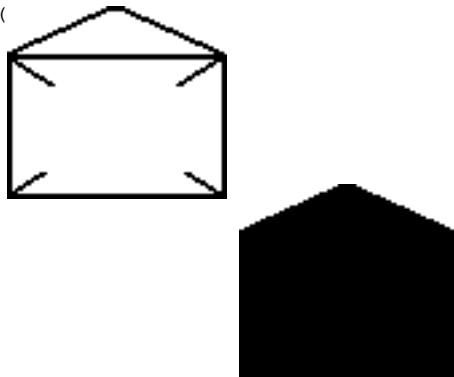
```
(RPAQ? LAFITEFORWARDSUBJECTSTR NIL)
(RPAQ? LAFITESUPPORT NIL)
(RPAQ? LISPSUPPORT NIL)
(RPAQ? MESSAGESTR ">>Message<<")
(RPAQ? RECIPIENTSSTR ">>Recipients<<")
(RPAQ? SUBJECTSTR ">>Subject<<")
(RPAQ? LAFITE.SEND.FORMATTED ' ((NSCHARS :ASK)
                                (CHARLOOKS :ASK)
                                (PARALOOKS :ASK)
                                (IMAGEOBJ :ASK)))
```

:: Obsolete

```
(RPAQ? LAFITEEDITORREGION NIL)
```

:: ICON stuff

```
(RPAQ? LAFITE.MSG.ICON (
```



(8 8 64 36))

```
(DECLARE%: EVAL@COMPILE DONTCOPY
(DECLARE%: EVAL@COMPILE
[RECORD SENDINGCOMMAND (COMMAND ITEM MENU MESSAGE MESSAGEPARSE)
  (TYPE? (AND (LISTP DATUM)
              (FMEMB (fetch COMMAND of DATUM)
                    ' (###SEND## ###SAVE## ###FORGETIT##)
              )
)
(DECLARE%: DOEVAL@COMPILE DONTCOPY
(GLOBALVARS \LAFITE.REPORT.MACHINE LAFITECURRENTEDITORWINDOWS LAFITEEDITORFONT LAFITEEDITORREGION
  LAFITEFORMATMENU LAFITEFORMSMENUIITEMS LAFITEFORMATMENUIITEMS LAFITEFORWARDSTRINGS LAFITEFORWARDSUBJECTSTR
  LAFITESENDINGMENUIITEMS LAFITESPECIALFORMS LAFITESUPPORT LISPSUPPORT MAKESYSDATE MESSAGESTR RECIPIENTSSTR
  SUBJECTSTR LAFITE.MSG.ICON LAFITEFORMDIRECTORIES LAFITE.SEND.FORMATTED)
)
(FILESLoad (SOURCE)
  LAFITE-DECLS)
(DECLARE%: DOEVAL@COMPILE DONTCOPY
(LOCALVARS . T)
)
)
```

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