```
(RPAQQ LAFITE-HAXCOMS
       [[COMS                                                               ; New header parser
              (FNS LAFITE.NEW.PARSE.HEADER LAFITE.HANDLE.ORIGINAL.FIELD INIT.NEW.PARSE.HANDLER
                   LAFITE.COMPUTE.CACHED.VARS)
              (INITVARS (*LAFITE-MAX-FIELD-WIDTH* 100)
                     (*LAFITE-PARSE-HEADER-STRING-RESOURCE*))
              (GLOBALVARS *LAFITE-MAX-FIELD-WIDTH* *LAFITE-PARSE-HEADER-STRING-RESOURCE*)
              (DECLARE%: DONTEVAL@LOAD DOCOPY (P (INIT.NEW.PARSE.HANDLER]
       (COMS                                                                ; automatically handle internet addresses
              (FNS \NSMAIL.PARSE1))
       (COMS (FNS LAFITE.TOGGLE.SERVER.TRACE)
              (APPENDVARS (LAFITESUBQUITMENUITEMS ("Server trace" 'LAFITE.TOGGLE.SERVER.TRACE "Change setting of
                                                  *NSMAIL-TRACE-SERVERS*")))
              (VARS (LAFITESUBQUITMENU)))
```

;; New header parser

```
(DEFINEQ

(LAFITE.NEW.PARSE.HEADER
  [LAMBDA (STREAM PARSETABLE START END ONCEONLY CHECKEOF)        ; Edited  3-Jun-92 17:30 by bvm
    (PROG ([FIELD (OR *LAFITE-PARSE-HEADER-STRING-RESOURCE* (SETQ *LAFITE-PARSE-HEADER-STRING-RESOURCE*
                                                                 (ALLOCSTRING *LAFITE-MAX-FIELD-WIDTH*]
            PARSERESULT PARSEBEGIN CH I PATLEN)
           (DECLARE (SPECVARS PARSETABLE PARSERESULT PARSEBEGIN))
                                                                 ; For Parse result functions to access
           (if START
               then (SETFILEPTR STREAM START))
       TOP (SETQ PARSEBEGIN (GETFILEPTR STREAM))
           (SETQ I 0)
           (do (SELCHARQ (SETQ CH (READCCODE STREAM))
                   ((CR TAB SPACE NIL)                           ; Whitespace before a colon is illegal (or if it's a cr at start of line,
                                                                 ; it's the official end of header)
                       (if CHECKEOF
                           then (push PARSERESULT (LIST 'EOF PARSEBEGIN T)))
                       [IF (EQ CH (CHARCODE CR))
                           THEN (FOR CHOICE IN PARSETABLE WHEN (EQ (CAR CHOICE)
                                                                   '%
)
                                    DO                           ; Kludge for something to call at end of header
                                       (RETURN (CL:FUNCALL (CADR CHOICE)
                                                           STREAM
                                                           (CAR CHOICE)
                                                           1
                                                           (CDDR CHOICE]
                           (GO EXIT))
                       NIL)
                   (if (< I *LAFITE-MAX-FIELD-WIDTH*)
                       then (CL:SETF (CL:CHAR FIELD I)
                                     (CL:CODE-CHAR CH))
                            (add I 1))
                   (if (EQ CH (CHARCODE ":"))
                       then [for CHOICE in PARSETABLE WHEN (AND (<= (SETQ PATLEN (NCHARS (CAR CHOICE)))
                                                                    I)
                                                               (STRING-EQUAL FIELD (CAR CHOICE)
                                                                             :END1 PATLEN))
                                do (LAFITE.SKIP.WHITE.SPACE STREAM)
                                   (COND
                                       ((OR (EQ (CL:FUNCALL (CADR CHOICE)
                                                            STREAM FIELD I (CDDR CHOICE))
                                                'STOP)
                                            ONCEONLY)
                                        (GO EXIT))
                                       (T (GO NEXTLINE]
                            ;; Get here if parse of current line failed

                            (LA.SKIP.TO.EOL STREAM CH)
                            (GO NEXTLINE)))
       NEXTLINE
           (COND
              ([COND
                  (END (< (GETFILEPTR STREAM)
                          END))
                  (T (NOT (\EOFP STREAM]
               (GO TOP)))
```

```
        EXIT
            (replace CHARSET of STREAM with 0)                        ; Don't let any temporary change in charset affect future
                                                                     ; operations.  This is not a call to CHARSET because of stupid
                                                                     ; bug that causes it to write a charset change!!!

        (RETURN PARSERESULT])
```

(**LAFITE.HANDLE.ORIGINAL.FIELD**
```
   [LAMBDA (STREAM FIELD FIELDLEN IGNORE)
      (DECLARE (USEDFREE PARSERESULT PARSEBEGIN PARSETABLE))          ; Edited  3-Jun-92 17:51 by bvm

      ;; Called when we parsed a header starting "Original-xxx:..."  We want to hide the "Original-" part, and also hide the matching "xxx:" field that (we
      ;; assume) occurs later

      (LA.SKIP.TO.EOL STREAM)
      [push PARSERESULT (LIST PARSEBEGIN (+ PARSEBEGIN (CONSTANT (NCHARS "Original-"]
      (push PARSETABLE (LIST (CL:SUBSEQ FIELD (CONSTANT (NCHARS "Original-"))
                                        FIELDLEN)
                             (FUNCTION LAFITE.EAT.UNDESIRABLE.FIELD)))
                                                                     ; Note that we have to COPY the characters of field, since that
                                                                     ; string is volatile

      NIL])
```

(**INIT.NEW.PARSE.HANDLER**
```
   [LAMBDA NIL                                                       ; Edited  3-Jun-92 17:42 by bvm
      (FOR FN IN '(\LAFITE.APPEND.MESSAGE.BODY MESSAGEDISPLAYER) DO (CHANGENAME FN 'LAFITE.PARSE.HEADER
                                                                               'LAFITE.NEW.PARSE.HEADER))
      (LAFITE.COMPUTE.CACHED.VARS])
```

(**LAFITE.COMPUTE.CACHED.VARS**
```
   [LAMBDA NIL                                                       ; Edited  3-Jun-92 17:46 by bvm

      ;; Clears or recomputes all cached information that is based on some possibly user-settable variable.

      [SETQ \LAFITE.DISPLAY.COMMANDS (APPEND (for CMD in (fetch (MENU ITEMS) of TEDIT.DEFAULT.MENU)
                                                 when (CL:MEMBER (if (LISTP CMD)
                                                                     then (CAR CMD)
                                                                     else CMD)
                                                                 '("put" "find" "Expanded Menu")
                                                                 :TEST
                                                                 'STRING-EQUAL)
                                                 collect CMD)
                                             (for CMD in LAFITE.EXTRA.DISPLAY.COMMANDS
                                                 collect (if (STRING-EQUAL (CAR CMD)
                                                                           "looks")
                                                             then              ; Add subcommands, so user can easily add more functions to
                                                                               ; do Looks.
                                                                  (LIST (CAR CMD)
                                                                        (CADR CMD)
                                                                        (CADDR CMD)
                                                                        (CONS 'SUBITEMS (APPEND (CDR (CADDDR CMD))

                                                                                                LAFITE.LOOKS.SUBCOMMANDS
                                                                                                )))
                                                             else CMD]
      [for USERVAR in '(LAFITE.DONT.DISPLAY.HEADERS LAFITE.DONT.FORWARD.HEADERS LAFITE.DONT.HARDCOPY.HEADERS)
         as IVAR in '(\LAPARSE.DONT.DISPLAY.HEADERS \LAPARSE.DONT.FORWARD.HEADERS \LAPARSE.DONT.HARDCOPY.HEADERS)
         do                                                         ; Make parse tables out of user vars that list fields to omit from
                                                                    ; headers
            (SET IVAR (AND (EVALV USERVAR)
                           (for FIELD in (EVALV USERVAR) collect (if (STRING-EQUAL FIELD "GV")
                                                                     then
                                                                     ; Kludge!  Designed to eat GVGV nonsense that comes AFTER
                                                                     ; the header
                                                                          (LIST '%
  (FUNCTION LAFITE.EAT.GVGV))
                                                                     ELSEIF (EQ FIELD :ORIGINAL)
                                                                       THEN (LIST "Original-" (FUNCTION
                                                                                                 LAFITE.HANDLE.ORIGINAL.FIELD
                                                                                                 ))
                                                                     else (LIST FIELD (FUNCTION
                                                                                         LAFITE.EAT.UNDESIRABLE.FIELD]
      (for VAR in LAFITEMENUVARS do                                 ; Clear cached menus
                           (SET VAR NIL))
      (for FOLDER in \ACTIVELAFITEFOLDERS do (for W in (fetch (MAILFOLDER FOLDERDISPLAYWINDOWS) of FOLDER)
                                                 when (WINDOWP W) do (WINDOWPROP W 'TEDIT.MENU.COMMANDS
                                                                                \LAFITE.DISPLAY.COMMANDS)
                                                                    (WINDOWPROP W 'TEDIT.MENU NIL)))
      (LET [(OLDABBREVS \LAFITE.PSEUDO.DEVICES)
            (NEWABBREVS (DREMOVE
                           NIL
                           (for PAIR in LAFITE.HOST.ABBREVS bind FIELDS NAMES
                              collect (if [AND [for STR in (SETQ NAMES (if (LISTP (SETQ NAMES (CAR PAIR)))
                                                                           then (APPEND NAMES)
                                                                           else (LIST NAMES)))
                                               always (AND (STRINGP STR)
                                                           (EQ (NTHCHARCODE STR -1)
```

```
                                                        (CHARCODE ":"]
                              (for TAIL on (SETQ FIELDS (UNPACKFILENAME.STRING (CADR PAIR)))
                                by (CDDR TAIL) always (FMEMB (CAR TAIL)
                                                             '(HOST DIRECTORY DEVICE]
                          then                                      ; CAR is list of pseudo-devices (must be strings ending in colon),
                                                                    ; CDR is unpacked fields
                                (CONS NAMES FIELDS)
                          else (PRINTOUT PROMPTWINDOW T "Bad host abbreviation: " PAIR)
                                NIL]
            (if [NOT (PROG1 (EQUAL (CDR \LAFITE.PSEUDO.DEVICES)
                                   NEWABBREVS)
                            (SETQ \LAFITE.PSEUDO.DEVICES (AND NEWABBREVS (CONS (CONS NIL (fetch UNPACKEDHOST&DIR
                                                                                            of \LAFITEDEFAULTHOST&DIR))
                                                                        NEWABBREVS))))]
                then (\LAFITE.RECOMPUTE.FOLDER.NAMES OLDABBREVS)))
       ;; Finally, reauthenticate user, in case there is any mode-specific caching we care about.

       (LAFITECLEARCACHE])

)


(RPAQ? *LAFITE-MAX-FIELD-WIDTH* 100)

(RPAQ? *LAFITE-PARSE-HEADER-STRING-RESOURCE* )

(DECLARE%: DOEVAL@COMPILE DONTCOPY

(GLOBALVARS *LAFITE-MAX-FIELD-WIDTH* *LAFITE-PARSE-HEADER-STRING-RESOURCE*)
)

(DECLARE%: DONTEVAL@LOAD DOCOPY

(INIT.NEW.PARSE.HANDLER)
)

;; automatically handle internet addresses

(DEFINEQ

(\NSMAIL.PARSE1
  [LAMBDA (FIELD DEFAULTDOMAIN EDITWINDOW)                         ; Edited 26-Feb-93 14:34 by bvm
     (COND
        (FIELD (bind ADDR (START _ 1)
                     COMMA DOT when (PROGN [SETQ ADDR (SUBSTRING FIELD START (AND (SETQ COMMA (STRPOS
                                                                                      '%, FIELD START))
                                                                                 (SUB1 COMMA]
                                      (do                          ; Strip leading blanks
                                          (SELCHARQ (CHCON1 ADDR)
                                              ((SPACE TAB)
                                               (GNC ADDR))
                                              (RETURN)))
                                      (do                          ; Strip trailing blanks
                                          (SELCHARQ (NTHCHARCODE ADDR -1)
                                              ((SPACE TAB)
                                               (GLC ADDR))
                                              (RETURN)))
                                      (NEQ (NCHARS ADDR)
                                           0))
                     collect (if (AND (STRPOS '@ ADDR)
                                      (NOT (STRPOS '%: ADDR))
                                      (EQ DEFAULTDOMAIN (fetch (LAFITEMODEDATA UNPACKEDUSERNAME) of *LAFITE-MODE-DATA*))
                                      (SETQ DOT (STRPOS '%. ADDR NIL NIL NIL NIL NIL T)))
                                 then ;; It's an Internet address--turn the last dot into a colon.  Don't do this if we're not being called from the places
                                      ;; that parse with respect to the user's own name.  E.g., when building an answer form, there are often names
                                      ;; that are abbreviated relative to the message sender's name.

                                      (create NSNAME
                                              NSOBJECT _ (SUBSTRING ADDR 1 (SUB1 DOT))
                                              NSDOMAIN _ (SUBSTRING ADDR (ADD1 DOT))
                                              NSORGANIZATION _ "Xerox")
                                 else (PARSE.NSNAME ADDR NIL DEFAULTDOMAIN))
                     repeatwhile (COND
                                    (COMMA (SETQ START (ADD1 COMMA]

)

(DEFINEQ

(LAFITE.TOGGLE.SERVER.TRACE
  [LAMBDA NIL                                                     ; Edited 24-Jul-92 15:14 by bvm
     (LET [[CHOICE (MENU (create MENU
                               ITEMS _ '(("Quiet" 0 "Don't report server")
                                         ("Report" T "Just report server in prompt window")
                                         ("Require Confirmation" :ASK "Require approval for posting server
                                                  choice"))
                               CENTERFLG _ T
                               TITLE _ "Trace Posting Server?"]
```

```
        (if CHOICE
            then (PRINTOUT PROMPTWINDOW T "*NSMAIL-TRACE-SERVERS* = " (SETQ *NSMAIL-TRACE-SERVERS*
                                                                          (AND (NEQ CHOICE 0)
                                                                               CHOICE])

)

(APPENDTOVAR LAFITESUBQUITMENUITEMS ("Server trace" 'LAFITE.TOGGLE.SERVER.TRACE "Change setting of
                                                     *NSMAIL-TRACE-SERVERS*"))

(RPAQQ LAFITESUBQUITMENU NIL)
```

FUNCTION INDEX

VARIABLE INDEX