


```

; God knows what to do if the form isn't an object, an atom, or a
; list
NIL)
(EQ '$ (CAR obj))
; The form ($ name) can be evaluated safely with no side effects
(EVAL obj)
(AND (EQ '$! (CAR obj))
      (ATOM (CADR obj)))
; The form ($! litatom) can be evaluated safely with no side
; effects
(EVAL obj)
(AND (EQLLENGTH obj 1)
      (EQ (CAR obj)
           'SavedValue))
; The form (SavedValue) can be evaluated safely with no side
; effects
(EVAL obj]
(COND
  ((MEMB fn '(_New
             _Proto))
   evalObj)
  ((AND (Object? evalObj)
        (NEQ ($ Tofu)
              (Class evalObj)))
   (Class evalObj))
  (T (GetClassRec (OR (PromptRead (CONCAT (CHARACTER 7)
                                           (CHARACTER (CHARCODE CR))
                                           "Please type in name of class for
                                           "or type ] to evaluate expression
                                           to find class"))
                  (Class (EVAL obj]
  ((NULL class)
   (RETURN)))
;; If the user has not provided a selector, let her pick one
(COND
  ((NULL sel)
   [SETQ sel
    (MENU
     (LET
      ((selectors! (_ class ListAttribute! 'Selectors NIL T)))
      (COND
       [(LEQ (LENGTH selectors!)
              10)
        (create MENU
                 TITLE _ "Which selector?"
                 ITEMS _ selectors!
                 MENCOLUMNS _ (ADD1 (IQUOTIENT (ITIMES (FONTHEIGHT MENUFONT)
                                                       (LENGTH selectors!))
                                               500]
        (T
         (LET*
          [(localSelectors (_ class ListAttribute! 'Selectors))
           [genericSelectors (LDIFFERENCE selectors! (_ class ListAttribute! 'Selectors)
                                                (inheritedSelectors (LDIFFERENCE selectors! (UNION genericSelectors
                                                                 localSelectors)))
           (columns (ADD1 (IQUOTIENT (ITIMES (FONTHEIGHT MENUFONT)
                                           (PLUS 2 (LENGTH localSelectors)))
                                   500]
          ;; ListAttribute! does the wrong thing in these cases, so swap the two sub-selector menus
          (SELECTQ (ClassName class)
                   ((Class Object Tofu)
                    (CL:PSETQ inheritedSelectors genericSelectors genericSelectors
                              inheritedSelectors))
                   NIL)
                   ; We have to go to some length to make sure that items with
                   ; sub-items are in the right hand column
          (create
           MENU
           TITLE _ "Which selector?"
           ITEMS _
           [if (OR (EQP 1 columns)
                  (AND (NULL genericSelectors)
                       (NULL inheritedSelectors)))
            then `[,@localSelectors ["*generics*" NIL NIL (SUBITEMS ,@(SORT
                                                                    genericSelectors
                                                                    )
                                ("*inherited*" NIL NIL (SUBITEMS ,@(SORT inheritedSelectors)
                                                                    )
                                )
            else (LET ((dummyItem (LIST "" NIL NIL)))
                  `[,@localSelectors ,@(from (ADD1 (REMAINDER (LENGTH localSelectors)
                                                                columns))
                                             to (SUB1 columns) collect dummyItem)
                  ["*generics*" NIL NIL (SUBITEMS ,@(SORT genericSelectors)
            ,@(from 1 to (SUB1 columns) collect dummyItem)
            ("*inherited*" NIL NIL (SUBITEMS ,@(SORT inheritedSelectors)

```

```

MENUCOLUMNS _ columns] ; Save the user the effort of having to type in the selector just
; chosen
(COND
  (sel (BKSYSEBUF sel]
(COND
  ((NULL sel)
  (RETURN)))
;; Print out information about the message
[LET ((meth (FetchMethod class sel)))
  (COND
    (meth (PROMPTPRINT (@ ($! meth)
                        doc))
      (LET ((arglist (ARGLIST meth))
            (TTYIN.PRINTARGS fn `,(CAR arglist)
                              Method ., (CDR arglist))
            `,(obj ,meth ., (CDDR actuals))
            0))
        (RETURN T])
      (RETURN NIL)))
((create CREATE Create) ; Tell the user the field names of the record. --- This code is taken from Thomas G. Dieterich,
; tgd@oregon-stant.CSNet --- Thanks, wherever you are Tom.
[PROG (fieldNames recName (soFar (TTYIN.READ?=@ARGS))
      (SETQ recName (CAR soFar))
      (COND
        (recName (SETQ fieldNames (RECORDFIELDNAMES recName))
          (COND
            (fieldNames (RETURN (REVERSE fieldNames))
          NIL])
)

```

(RPAQQ TTYIN?=FN GetMethodArgs)

(* * Add a Loops item to the background menu)

```

(ADDTTOVAR BackgroundMenuCommands
["Loops Icon" '(_Proto ($ LoopsIcon)
  Blink)
  "Bring the Loops Icon to the top of the screen"
  (SUBITEMS ("Browse Class" '(_Proto ($ LoopsIcon)
    BrowseObject)
    "Prompts for a class name and opens a browser on the class"
    (SUBITEMS ("Browse Class" '(_Proto ($ LoopsIcon)
      BrowseObject)
      "Prompts for a class name and opens a browser on the class")
      ("Browse Supers" '(_Proto ($ LoopsIcon)
        SupersBrowse)
        "Prompts for a class name and opens a browser on the class's
        supers"))
      ("Browse File" '(_Proto ($ LoopsIcon)
        FileBrowse)
        "Opens a Loops FileBrowser on a selected file"
        (SUBITEMS ("Browse File" '(_Proto ($ LoopsIcon)
          FileBrowse)
          "Opens a Loops FileBrowser on a selected file")
          ("Edit FileComs" '(_Proto ($ LoopsIcon)
            EditFileComs)
            "Edit the FILECOMS of a selected file")
          ("Cleanup File" '(_Proto ($ LoopsIcon)
            CleanUpFile)
            "Do a CLEANUP on a selected file"]])

```

(RPAQQ BackgroundMenu NIL)

(* * The PPDefault window)

(RPAQ PPDefault \TopLevelTtyWindow)

(DECLARE%: DOEVAL@COMPILE DONTCOPY

(GLOBALVARS PPDefault)

)

(PUTPROPS LOOPSUSERINTERFACE COPYRIGHT ("Venue & Xerox Corporation" 1986 1987 1988 1990))

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