```
4-Oct-88 18:01:30 {EG:PARC:XEROX}<JELLINEK>LISPUSERS>PRINTERMENU.;3
 File created:
  changes to:
               (VARS PRINTERMENUCOMS)
               (FNS PRINTERMENU PRINTERMENU.ADDMENUTOWINDOW PRINTERMENU.ADDORDELETE? PRINTERMENU.INFOHOOK
                    PRINTERMENU.SELECTPRINTER PRINTERMENU.WATCH PRINTERMENU.WHENSELECTEDFN PRINTERMENU.CLOSEFN
                    PRINTERMENU.GETNAME PRINTERMENU.CREATEMENU PRINTERMENU.CREATEPROMPTWINDOW
                    PRINTERMENU, TOFRONTOFLIST)
              13-Feb-87 09:11:46 {PHYLUM} < LISPUSERS > MEDLEY > PRINTERMENU.; 1
previous date:
 Read Table:
              INTERLISP
   Package:
              INTERLISP
      Format:
                XCCS
"Copyright (c) 1985, 1987, 1988 by Robert Ridder. All rights reserved.
(RPAOO PRINTERMENUCOMS
       [(FNS PRINTERMENU PRINTERMENU.ADDMENUTOWINDOW PRINTERMENU.ADDORDELETE? PRINTERMENU.AFTERMOVEFN
             PRINTERMENU.CLOSEFN PRINTERMENU.CREATEMENU PRINTERMENU.CREATEPROMPTWINDOW PRINTERMENU.GETNAME
             PRINTERMENU.INFOHOOK PRINTERMENU.SELECTPRINTER PRINTERMENU.TOFRONTOFLIST PRINTERMENU.WATCH
             PRINTERMENU. WHENHELDFN PRINTERMENU. WHENSELECTEDFN)
        (INITVARS (PRINTERMENU.POSITION NIL)
                (PRINTERMENU.SHADE1 9345)
                (PRINTERMENU.WATCH.WAIT 5)
                (PRINTERMENU.WINDOW NIL))
        (VARS PRINTERMENU.PRINTERSHADE)
        (GLOBALVARS PRINTERMENU.POSITION PRINTERMENU.SHADE1 PRINTERMENU.WATCH.WAIT PRINTERMENU.WINDOW
               PROMPTWINDOW)
        (DECLARE%: DONTEVAL@LOAD DOCOPY (P (if (POSITIONP PRINTERMENU.POSITION)
                                                  then
                                                  (PRINTERMENU])
(DEFINEQ
(PRINTERMENU
  [LAMBDA NII
                                                                    ; Edited 30-Sep-88 18:38 by hdj
;;; Creates a menu window which can be used to alter the value of DEFAULTPRINTINGHOST such that one can add printers, delete printers, and
;;; rearrange the order of printers on the list.
    (LET* ((PROCESS (FIND.PROCESS "PrinterMenu"))
           (MENU (PRINTERMENU.CREATEMENU))
           (WIDTH (XCL:RECORD-FETCH :MENU :IMAGEWIDTH MENU))
(HEIGHT (XCL:RECORD-FETCH :MENU :IMAGEHEIGHT MENU))
           LEFT BOTTOM)
          ;; Find out where to put it
          [COND
              ((NOT (POSITIONP PRINTERMENU.POSITION))
               (SETQ PRINTERMENU.POSITION (GETBOXPOSITION WIDTH HEIGHT]
           (SETQ LEFT (fetch (POSITION XCOORD) of PRINTERMENU.POSITION))
          (SETQ BOTTOM (fetch (POSITION YCOORD) of PRINTERMENU.POSITION))
          ;; Zap PRINTERMENU.WATCH if it's running
              (PROCESS (SUSPEND.PROCESS PROCESS)))
          ;; Only one window allowed. Close any old one.
          (COND
              ((WINDOWP PRINTERMENU.WINDOW)
               (WINDOWPROP PRINTERMENU. WINDOW 'CLOSEFN NIL)
               (CLOSEW PRINTERMENU.WINDOW)))
          :: Create a new window
          (SETQ PRINTERMENU.WINDOW (CREATEW (CREATEREGION LEFT BOTTOM WIDTH HEIGHT)
                                            NIL 0 T))
           (WINDOWPROP PRINTERMENU. WINDOW 'AFTERMOVEFN (FUNCTION PRINTERMENU. AFTERMOVEFN))
           (WINDOWPROP PRINTERMENU.WINDOW 'RESHAPEFN 'DON'T)
           (WINDOWPROP PRINTERMENU WINDOW 'DEFAULTPRINTINGHOST (COPYALL DEFAULTPRINTINGHOST))
           (WINDOWPROP PRINTERMENU.WINDOW 'CLOSEFN (FUNCTION PRINTERMENU.CLOSEFN))
          ;; Add the menu to PRINTERMENU.WINDOW
          (PRINTERMENU.ADDMENUTOWINDOW MENU)
          ;; Start the process to monitor the value of DEFAULTPRINTINGHOST
           (if PROCESS
              then (WAKE.PROCESS PROCESS)
            'RESTARTABLE T))
          ;; Open the menu window and return it
           (OPENW PRINTERMENU.WINDOW)
```

PRINTERMENU.WINDOW])

(SETQ PRINTERMENU.WINDOW NIL)

```
(PRINTERMENU.ADDMENUTOWINDOW
                                                                   ; Edited 30-Sep-88 13:30 by hdj
  [LAMBDA (MENU)
    ;; Place Menu in PRINTERMENU. WINDOW and shade first two items of menu
    (LET ((MENU-ITEMS (fetch (MENU ITEMS) of MENU)))
         (ADDMENU MENU PRINTERMENU.WINDOW)
         (SHADEITEM (CAR MENU-ITEMS)
                MENU BLACKSHADE PRINTERMENU.WINDOW)
         (COND
            ((CADR MENU-ITEMS)
             (SHADEITEM (CADR MENU-ITEMS)
                    MENU PRINTERMENU.PRINTERSHADE PRINTERMENU.WINDOW])
(PRINTERMENU.ADDORDELETE?
                                                                   ; Edited 30-Sep-88 11:01 by hdj
  [LAMBDA NIL
::: Add or Delete from DEFAULTPRINTINGHOST
    (LET ((ITEM (MENU (create MENU
                              DEFAULTPRINTINGHOST"))
                              CENTERFLG
                              MENUBORDERSIZE _ 1)))
          PRINTER-NAME)
         ;; Pop up a menu to find out if add or delete wanted
         (if ITEM
             then
                  ;; Since we'll be requiring the use of the mouse for a while, spawn a new mouse so things can't get locked up.
                  (SPAWN.MOUSE)
                  :: Find out what to Add or Delete
                  (SETQ PRINTER-NAME (PRINTERMENU.GETNAME ITEM))
                  ;; If nothing selected, do nothing
                  (if PRINTER-NAME
                      then ;; If Add or Delete, then do it
                           (SELECTQ ITEM
                                (Add (COND
                                        ((NOT (MEMBER PRINTER-NAME DEFAULTPRINTINGHOST))
                                         (SETQ DEFAULTPRINTINGHOST (CONS PRINTER-NAME DEFAULTPRINTINGHOST))
                                         ITEM)))
                                (Delete (COND
                                           ([SETQ PRINTER-NAME
                                              (for PRINTER-DESCR in DEFAULTPRINTINGHOST
                                                do (COND
                                                       ((OR [AND (LISTP PRINTER-DESCR)
                                                                 (STRING-EQUAL PRINTER-NAME (OR (CADR
                                                                                                        PRINTER-DESCR
                                                                                                  (CAR PRINTER-DESCR
                                                                                                       ]
                                                            (AND (NLISTP PRINTER-NAME)
                                                                  (NLISTP PRINTER-DESCR)
                                                                  (STRING-EQUAL PRINTER-NAME PRINTER-DESCR)))
                                                        (RETURN PRINTER-DESCR]
                                            [COND
                                                ((NOT (CDR DEFAULTPRINTINGHOST))
                                                 (SETQ DEFAULTPRINTINGHOST NIL))
                                                (T (SETQ DEFAULTPRINTINGHOST (REMOVE PRINTER-NAME
                                                                                     DEFAULTPRINTINGHOST]
                                            ITEM)))
                               NIL])
(PRINTERMENU.AFTERMOVEFN
  [LAMBDA (Window)
                                                                   (* RAR " 8-Oct-85 08:43")
          (* * Update the value of PRINTERMENU.POSITION)
    (PROG [(Region (WINDOWPROP Window 'REGION]
          (SETQ PRINTERMENU.POSITION (create POSITION
                                              XCOORD _
                                                       (fetch (REGION LEFT) of Region)
                                                       (fetch (REGION BOTTOM) of Region])
                                              YCOORD
(PRINTERMENU.CLOSEFN
  [LAMBDA NIL
                                                                   : Edited 30-Sep-88 18:27 by hdj
    ;; Set the globalvar for the printermenu window to NIL
```

```
;; If PRINTERMENU.WINDOW closed, then shut down process to monitor DEFAULTPRINTINGHOST
    (LET ((PROCESS (FIND.PROCESS "PrinterMenu")))
          (if PROCESS
              then (DEL.PROCESS PROCESS])
(PRINTERMENU.CREATEMENU
                                                                       ; Edited 29-Sep-88 18:19 by hdj
;;; Create and return the menu to be used by PRINTERMENU
    (create MENU
            ITEMS _ [CONS "-- Default Printer --" (for PRINTER-DESCR in DEFAULTPRINTINGHOST
                                                         collect (COND
                                                                   ((LISTP PRINTER-DESCR)
                                                                     (OR (CADR PRINTER-DESCR)
                                                                         (CAR PRINTER-DESCR)))
                                                                   (T PRINTER-DESCR)
                              (FUNCTION PRINTERMENU.WHENSELECTEDFN)
            WHENSELECTEDEN
           WHENHELDFN _ (FUNCTION PRINTERMENU.WHENHELDFN)
CENTERFLG _ T
           CENTERFLG _ 1
MENUBORDERSIZE _ 1])
(PRINTERMENU.CREATEPROMPTWINDOW
                                                                       ; Edited 29-Sep-88 17:34 by hdj
  [LAMBDA NIL
;;; Return a window to be used to ask for the name of a printer to add to the menu
    (PROG (Bottom Font Height Left MouseX MouseY Width)
      (SETQ Font (DEFAULTFONT 'DISPLAY))
           [SETQ Width (WIDTHIFWINDOW (ITIMES 60 (CHARWIDTH (CHCON1 "X")
                                                            Font 1
           (SETQ Height (HEIGHTIFWINDOW (ITIMES 2 (FONTPROP Font 'HEIGHT))
           [SETQ Left (COND
                          ((IGEQ (IDIFFERENCE SCREENWIDTH (SETQ MouseX LASTMOUSEX))
                                  Width)
                           MouseX)
                          (T (IMAX 0 (IDIFFERENCE MouseX Width)
           [SETQ Bottom (COND
                             ((IGEQ (IDIFFERENCE SCREENHEIGHT (SETQ MouseY LASTMOUSEY))
                                    Height)
                             MouseY)
                             (T (IMAX 0 (IDIFFERENCE MouseY Height]
           (RETURN (CREATEW (CREATEREGION Left Bottom Width Height)
                            "Question from PRINTERMENU: " NIL T])
(PRINTERMENU.GETNAME
                                                                       ; Edited 30-Sep-88 18:29 by hdj
  [LAMBDA (ITEM)
;;; Return name of printer to add or delete.
    (COND
       [(EQ ITEM 'Add)
        ;; Add
         (LET ((WINDOW (PRINTERMENU.CREATEPROMPTWINDOW)))
              (PROG1 (PROMPTFORWORD "Enter name of printer to add: " NIL NIL WINDOW NIL 'TTY
                             (CHARCODE (EOL ESCAPE LF)))
                      (CLOSEW WINDOW]
        (<sup>™</sup> ;; Delete
           (CL:FORMAT PROMPTWINDOW "~&Select a printer to delete")
           (PROG1 (PRINTERMENU.SELECTPRINTER)
                   (CLEARW PROMPTWINDOW])
(PRINTERMENU.INFOHOOK
  [LAMBDA (PROCESS BUTTON)
                                                                       ; Edited 30-Sep-88 10:35 by hdj
    (CL:FORMAT PROMPTWINDOW "~&Monitors the value of DEFAULTPRINTINGHOST for PRINTERMENU.~%%"])
(PRINTERMENU.SELECTPRINTER
  [LAMBDA NIL
                                                                       ; Edited 30-Sep-88 10:58 by hdj
;;; Return the printer selected with the mouse from the PRINTERMENU menu, or return NIL if none chosen
    (LET [ (MENU (WINDOWPROP PRINTERMENU.WINDOW 'MENU) )
           LIST-OF-PRINTERS MENU-POSITION PRINTER SCREEN-POSITION (WINDOW-REGION (WINDOWPROP PRINTERMENU.WINDOW
                                                                                                'REGION1
          ;; Get the menu in the PRINTERMENU.WINDOW
          [ COND
             ((LISTP MENU)
```

[LAMBDA (Item Menu Button)

(* Ridder%: " 2-Aug-85 13:30")

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{MEDLEY}spusers>PRINTERMENU.;1 (PRINTERMENU.WHENHELDFN cont.)
                                                                                                                          Page 5
           (* * Print an appropriate message in PROMPTWINDOW.)
    (PROG ((Menuitems (fetch (MENU ITEMS) of Menu)))
              ((EQ Item (CAR Menuitems))
                (printout PROMPTWINDOW "This item allows you to add or delete printers" T))
               (T (printout PROMPTWINDOW "Will make " Item " the first element of DEFAULTPRINTINGHOST" T])
(PRINTERMENU.WHENSELECTEDFN
  [LAMBDA (ITEM MENU BUTTON)
                                                                          ; Edited 30-Sep-88 18:27 by hdj
    ;; Respond to item selected in menu
    (PROG ((MENU-ITEMS (fetch (MENU ITEMS) of MENU)))
     ;; If the value of DEFAULTPRINTINGHOST has been changed outside of PRINTERMENU, or if the monitor process has been killed, then update
     ;; the menu and return
           (COND
               ((OR [NOT (EQUAL DEFAULTPRINTINGHOST (WINDOWPROP PRINTERMENU.WINDOW 'DEFAULTPRINTINGHOST]
(NOT (FIND.PROCESS "PrinterMenu")))
                (PRINTERMENU)
                (RETURN NIL)))
     ;; If selecting the 'title bar', then popup the add-or-delete menu and add or delete a printer
           (if (EQ ITEM (CAR MENU-ITEMS)) then (if (PRINTERMENU.ADDORDELETE?) then (PRINTERMENU))
                     (RETURN NIL))
     :: If a printer was selected, move it to the top of the menu and the front of DEFAULTPRINTINGHOST
           (PRINTERMENU.TOFRONTOFLIST ITEM)
           (DELETEMENU MENU NIL PRINTERMENU.WINDOW)
(PRINTERMENU.ADDMENUTOWINDOW (PRINTERMENU.CREATEMENU))
           (WINDOWPROP PRINTERMENU.WINDOW 'DEFAULTPRINTINGHOST (COPYALL DEFAULTPRINTINGHOST])
(RPAQ? PRINTERMENU.POSITION NIL)
(RPAO? PRINTERMENU.SHADE1 9345)
(RPAQ? PRINTERMENU.WATCH.WAIT 5)
(RPAQ? PRINTERMENU.WINDOW NIL)
(RPAQO PRINTERMENU.PRINTERSHADE 33825)
(DECLARE%: DOEVAL@COMPILE DONTCOPY
(GLOBALVARS PRINTERMENU.POSITION PRINTERMENU.SHADE1 PRINTERMENU.WATCH.WAIT PRINTERMENU.WINDOW PROMPTWINDOW)
(DECLARE%: DONTEVAL@LOAD DOCOPY
   (POSITIONP PRINTERMENU.POSITION)
(if
    then (PRINTERMENU))
```

(PUTPROPS PRINTERMENU COPYRIGHT ("Robert Ridder" 1985 1987 1988))

{MEDLEY}spusers>PRINTERMENU.;1 28-Jun-2024 18:34:03 -- Listed on 30-Jun-2024 13:14:41 --

FUNCTION INDEX			
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