

File created: 21-Apr-2024 09:12:04 {WMEDLEY}<library>CLIPBOARD.;18

edit by: rmk

changes to: (FNS INSTALL-CLIPBOARD)  
(VARS CLIPBOARDCOMS)

previous date: 2-Apr-2024 17:02:09 {WMEDLEY}<library>CLIPBOARD.;17

Read Table: INTERLISP

Package: INTERLISP

Format: XCCS

(RPAQQ **CLIPBOARDCOMS**

```
[
    ; Enable copy and paste
    (FNS INSTALL-CLIPBOARD GETCLIPBOARD PUTCLIPBOARD PASTEFROMCLIPBOARD CLIPBOARD-COPY-STREAM
      CLIPBOARD-PASTE-STREAM)
    (FNS SEDIT.COPYTOCLIPBOARD)
    (DECLARE%: DONTEVAL@LOAD DOEVAL@COMPILE DOCOPY (FILES (SYSLOAD)
      UNIXCOMM UNICODE))
      (P (INSTALL-CLIPBOARD)))
    (DECLARE%: DONTEVAL@LOAD DOEVAL@COMPILE DONTCOPY COMPILERVERS (ADDVARS (NLAMA)
      (NLAML)
      (LAMA]))
```

:: Enable copy and paste

(DEFINEQ

(**INSTALL-CLIPBOARD**

[LAMBDA NIL

```
; Edited 21-Apr-2024 08:56 by rmk
; Edited 30-Mar-2024 22:22 by lmm
; Edited 24-Jun-2021 21:14 by rmk:
; Edited 19-Apr-2020 12:15 by rmk:
; Edited 18-Apr-2018 23:00 by rmk:
```

```
(INTERRUPTCHAR (CHARCODE "Meta,v")
  ' (PASTEFROMCLIPBOARD))
(INTERRUPTCHAR (CHARCODE "Meta,V")
  ' (PASTEFROMCLIPBOARD))
(/PUTASSOC 'PASTE [LIST (LIST (CHARCODE "1,v")
  ' (PASTEFROMCLIPBOARD))
  (LIST (CHARCODE "1,V")
  ' (PASTEFROMCLIPBOARD))]
```

LISPINTERRUPTS)

```
(CL:WHEN (GETP 'SEDT 'FILEDATES) ; SEDT copy: INTERRUPTCHAR does paste
  (SEDT:ADD-COMMAND "Meta,c" 'SEDT.COPYTOCLIPBOARD "M-c" "Copy to clipboard")
  (SEDT:ADD-COMMAND "Meta,C" 'SEDT.COPYTOCLIPBOARD)
  (SEDT:RESET-COMMANDS)))
```

(**GETCLIPBOARD**

[LAMBDA NIL

```
; Edited 23-Feb-2021 11:32 by rmk:
; Edited 25-Apr-2018 16:56 by rmk:
```

```
(CL:WITH-OPEN-STREAM (s (CLIPBOARD-PASTE-STREAM))
  (CONCATCODES (BIND C WHILE (SETQ C (READCCODE s)) COLLECT C])
```

(**PUTCLIPBOARD**

[LAMBDA (OBJECT PRINTFN)

```
; Edited 23-Feb-2021 11:32 by rmk:
; Edited 25-Apr-2018 16:49 by rmk:
```

```
(CL:WITH-OPEN-STREAM (s (CLIPBOARD-COPY-STREAM))
  (IF PRINTFN
    THEN (APPLY* PRINTFN OBJECT s)
    ELSE (PRIN3 OBJECT s))
```

(**PASTEFROMCLIPBOARD**

[LAMBDA NIL

```
; Edited 15-Feb-2021 23:43 by rmk:
; Edited 18-Apr-2018 13:56 by rmk:
; Edited 17-Apr-2018 23:11 by rmk:
```

:: If for some reason TTY process doesn't have a window (e.g. TEXEC), we can only do the character printing. Presumably the right thing to do--no  
:: image objects in an exec.

:: Should be able to just call COPYINSERT, but the default BKSYSBUF puts in string quotes.

```
(LET [(STR (GETCLIPBOARD))
      (WINDOW (PROCESS.WINDOW (TTY.PROCESS))
      (IF (AND WINDOW (WINDOWPROP WINDOW 'COPYINSERTFN))
        THEN (COPYINSERT STR)
        ELSE (BIND C WHILE (SETQ C (GNCCODE STR)) DO (BKSYSCHARCODE C))
```

(**CLIPBOARD-COPY-STREAM**

[LAMBDA NIL

```
; Edited 7-Jul-2022 23:51 by rmk
; Edited 23-Feb-2021 22:11 by rmk:
```

```
(LET (STRM (OST (UNIX-GETENV "OSTYPE")))
```

```
(SETQ STRM (CREATE-PROCESS-STREAM (CL:IF (STRPOS "darwin" OST)
                                         "pbcopy"
                                         "xclip -i -selection clipboard")))
STRM])
```

**(CLIPBOARD-PASTE-STREAM**

[LAMBDA NIL

; Edited 7-Jul-2022 23:51 by rmk  
; Edited 23-Feb-2021 17:29 by rmk:

```
(LET (STRM (OST (UNIX-GETENV "OSTYPE")))
      (SETQ STRM (CREATE-PROCESS-STREAM (CL:IF (STRPOS "darwin" OST)
                                                "pbpaste"
                                                "xclip -o -selection clipboard")))
      [SETFILEINFO STRM 'ENDOFSTREAMOP #' (CL:LAMBDA (s)
                                                    (RETFROM (FUNCTION READCCODE)
                                                            NIL)]
      STRM])
```

)

(DEFINEQ

**(SEDI.T.COPI.YTOCLIPBOARD**

[LAMBDA (CONTEXT)

; Edited 8-Aug-2020 15:25 by rmk:  
; Edited 24-Apr-2018 20:39 by rmk:  
; Edited 24-Apr-2018 20:33 by rmk:  
; Edited 23-Apr-2018 18:19 by rmk:

```
(CL:MULTIPLE-VALUE-BIND (SEL SELTYPE)
  (SEDI.T:GET-SELECTION CONTEXT)
  ;; SEL could be a list of several elements, or a structure, depending on SELTYPE.
  ;; SELTYPE=NIL means not a valid selection, and SEL is NIL. Non-NIL values are :SUB-LIST, :CHARACTERS, and T
```

```
(CL:WHEN SELTYPE
  [PUTCLIPBOARD (CONS SEL (EQ SELTYPE :SUB-LIST))
    (FUNCTION (LAMBDA (PAIR STREAM)
      (LET ((*PRINT-PRETTY* T)
            (PRETTYTABFLG NIL)
            (FONTCHANGEFLG NIL)
            (%#RPARS NIL))
        (DECLARE (SPECVARS *PRINT-PRETTY* %#RPARS PRETTYTABFLG FONTCHANGEFLG))
        (PRINTDEF (CAR PAIR)
                  0 NIL (CDR PAIR)
                  NIL STREAM]))
    T])
```

)

(DECLARE%: DONTEVAL@LOAD DOEVAL@COMPILE DOCOPY

(FILESLOAD (SYSLOAD)
 UNIXCOMM UNICODE)

**(INSTALL-CLIPBOARD)**

)

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

(ADDTOVAR **NLAMA** )

(ADDTOVAR **NLAML** )

(ADDTOVAR **LAMA** )

)

FUNCTION INDEX

CLIPBOARD-COPY-STREAM ...1 GETCLIPBOARD .....1 PASTEFROMCLIPBOARD .....1 SEDIT.COPYTOCLIPBOARD ...2  
CLIPBOARD-PASTE-STREAM ..2 INSTALL-CLIPBOARD .....1 PUTCLIPBOARD .....1

---