

File created: 19-May-89 17:52:44 {ERINYES}<LISPUSERS>MEDLEY>DATEFORMAT-EDITOR.;1

changes to: (VARS DATEFORMAT-EDITORCOMS)

previous date: 16-Sep-88 12:50:52 {PHYLUM}<LISP>MEDLEY>LISPUSERS>DATEFORMAT-EDITOR.;1

Read Table: INTERLISP

Package: INTERLISP

Format: XCCS

;;
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(RPAQQ **DATEFORMAT-EDITORCOMS**
(

;; This system provides a facility for editing date formats as described in section 12.5 of the Interlisp-D manual, Koto version. User entry point is the
;; function EDIT-DATEFORMAT. Editing is accomplished using a FREEMENU. Items displayed in this menu are stored on
;; DATEFORMAT-EDITOR-ITEMS. Call (GET-DATEFORMAT-EDITOR T) after changing this variable. Input to EDIT-DATEFORMAT is either NIL or a
;; value returned by the DATEFORMAT function. Output is either NIL -- in case editing was aborted -- or another value as returned from the
;; DATEFORMAT function.

;; Interface

(FNS EDIT-DATEFORMAT GET-DATEFORMAT-EDITOR)
(INITVARS (EDIT-DATEFORMAT-DEFAULT (DATEFORMAT)))

;; Support

(FILES (SYSLOAD)
FREEMENU)
(FNS DATEFORMAT-EDITOR-STATUS DATEFORMAT-EDITOR-GET-STATE DATEFORMAT-EDITOR-PUT-STATE
DATEFORMAT-EDITOR-SHOW-STATE DATEFORMAT-EDITOR-ABORTFN DATEFORMAT-EDITOR-CLOSEFN
DATEFORMAT-EDITOR-GETDFTFN DATEFORMAT-EDITOR-PUTDFTFN DATEFORMAT-EDITOR-QUITFN
DATEFORMAT-EDITOR-SHOWFN)
(VARS \$\$DATEFORMAT-EDITOR-ITEMS)
(INITVARS (DATEFORMAT-EDITOR-ITEMS (COPY \$\$DATEFORMAT-EDITOR-ITEMS)))
[DECLARE%: DONTEVAL@LOAD DOCOPY (VARS (\$\$DATEFORMAT-EDITOR (GET-DATEFORMAT-EDITOR))
(\$\$DATEFORMAT-EDITOR-IDATE (IDATE " 1-Jan-88 23:56:41")))
(P (COND ((NOT (GETD '\OUTDATE-STRING))
; Get DATE extensions
(FILESLOAD (SYSLOAD)
DATEPATCH]
(PROP MAKEFILE-ENVIRONMENT DATEFORMAT-EDITOR)))

;; This system provides a facility for editing date formats as described in section 12.5 of the Interlisp-D manual, Koto version. User entry point is the
;; function EDIT-DATEFORMAT. Editing is accomplished using a FREEMENU. Items displayed in this menu are stored on
;; DATEFORMAT-EDITOR-ITEMS. Call (GET-DATEFORMAT-EDITOR T) after changing this variable. Input to EDIT-DATEFORMAT is either NIL or a
;; value returned by the DATEFORMAT function. Output is either NIL -- in case editing was aborted -- or another value as returned from the
;; DATEFORMAT function.

;; Interface

(DEFINEQ

(**EDIT-DATEFORMAT**
[LAMBDA (DATEFORMAT)

; Edited 29-Mar-88 17:24 by Koomen

;; This system provides a facility for editing date formats as described in section 12.14 of the Interlisp-D manual, Koto version. Editing is accomplished
;; using a FREEMENU. Items displayed in this menu are stored on DATEFORMAT-EDITOR-ITEMS. Call (GET-DATEFORMAT-EDITOR T) after
;; changing this variable. Input is either NIL or a value returned by the DATEFORMAT function. Output is either NIL -- in case editing was aborted -- or
;; another value as returned from the DATEFORMAT function.

(PROG ((DFE (GET-DATEFORMAT-EDITOR)))
(DATEFORMAT-EDITOR-PUT-STATE DFE (OR DATEFORMAT EDIT-DATEFORMAT-DEFAULT))
(OPENW DFE)
(DATEFORMAT-EDITOR-SHOW-STATE DFE)
(DATEFORMAT-EDITOR-STATUS DFE 'EDIT)
(NLSETQ (while (EQ (DATEFORMAT-EDITOR-STATUS DFE)
'EDIT)
do (BLOCK)))
(CLOSEW DFE)
(if (EQ (DATEFORMAT-EDITOR-STATUS DFE)
'QUIT)
then (RETURN (DATEFORMAT-EDITOR-GET-STATE DFE))
else (DATEFORMAT-EDITOR-STATUS DFE 'ABORT])

(**GET-DATEFORMAT-EDITOR**

[LAMBDA (RECOMPUTE?)

; Edited 24-Sep-87 13:36 by Koomen

```
(FMT NIL)
(ITEM NIL)
(STATE (FM.GETSTATE DFE)))
(if (SETQ ITEM (LISTGET STATE 'TIME))
    then (SELECTQ (FM.ITEMPROP ITEM 'ID)
        (TIME-SECS NIL)
        (TIME-NONE (push FMT 'NO.TIME))
        (TIME-MINS (push FMT 'NO.SECONDS))
        (SHOULDNT "Bad TIME")))
(if (NOT (LISTGET FMT 'NO.TIME))
    then (if (SETQ ITEM (LISTGET STATE 'TIMEZONE))
        then (SELECTQ (FM.ITEMPROP ITEM 'ID)
            (TIMEZONE-NO NIL)
            (TIMEZONE-YES (push FMT 'TIME.ZONE))
            (SHOULDNT "Bad TIMEZONE"))
        )
    )
(if (SETQ ITEM (LISTGET STATE 'DATE))
    then (SELECTQ (FM.ITEMPROP ITEM 'ID)
        (DATE-NONE (push FMT 'NO.DATE))
        (DATE-NORMAL NIL)
        (DATE-SPACES (push FMT 'SPACES))
        (DATE-SLASHES (push FMT 'SLASHES))
        (DATE-LEADING (push FMT 'MONTH.LEADING))
        (SHOULDNT "Bad DATE")))
(if (NOT (LISTGET FMT 'NO.DATE))
    then (if (SETQ ITEM (LISTGET STATE 'DAY))
        then (SELECTQ (FM.ITEMPROP ITEM 'ID)
            (DAY-NONE NIL)
            (DAY-LONG (push FMT 'DAY.OF.WEEK))
            (DAY-SHORT (push FMT 'DAY.OF.WEEK)
                (push FMT 'DAY.SHORT))
            (SHOULDNT "Bad DAY")))
        (if (SETQ ITEM (LISTGET STATE 'MONTH))
            then (SELECTQ (FM.ITEMPROP ITEM 'ID)
                (MONTH-LONG (push FMT 'MONTH.LONG))
                (MONTH-SHORT NIL)
                (MONTH-NUMERIC
                    (push FMT 'NUMBER.OF.MONTH))
                (SHOULDNT "Bad MONTH")))
            )
        (if (SETQ ITEM (LISTGET STATE 'YEAR))
            then (SELECTQ (FM.ITEMPROP ITEM 'ID)
                (YEAR-LONG (push FMT 'YEAR.LONG))
                (YEAR-SHORT NIL)
                (SHOULDNT "Bad YEAR")))
            )
        (if (SETQ ITEM (LISTGET STATE 'LEADER))
            then (SELECTQ (FM.ITEMPROP ITEM 'ID)
                (LEADER-NO (push FMT 'NO.LEADING.SPACES))
                (LEADER-YES NIL)
                (SHOULDNT "Bad LEADER"))
            )
        )
    )
(RETURN (APPLY (FUNCTION DATEFORMAT)
```

(DREVERSE FMT)]

(DATEFORMAT-EDITOR-PUT-STATE

; Edited 29-Mar-88 14:17 by Koomen

```

[LAMBDA (DFE DATEFORMAT)
  (FM.RESETMENU DFE)
  (for FMT in (if (AND DATEFORMAT (EQ (CAR (LISTP DATEFORMAT))
                                     'DATEFORMAT))
                  then (CDR DATEFORMAT))
    bind (DATE _ 'DATE-NORMAL)
          (YEAR _ 'YEAR-SHORT)
          (MONTH _ 'MONTH-SHORT)
          (DAY _ 'DAY-NONE)
          (LEADER _ 'LEADER-YES)
          (TIME _ 'TIME-SECS)
          (TIMEZONE _ 'TIMEZONE-NO)
    do (SELECTQ FMT
        (NO.DATE (SETQ DATE 'DATE-NONE))
        (NUMBER.OF.MONTH
         (SETQ MONTH 'MONTH-NUMERIC))
        (MONTH.LEADING
         (SETQ DATE 'DATE-LEADING))
        (MONTH.LONG (SETQ MONTH 'MONTH-LONG))
        (YEAR.LONG (SETQ YEAR 'YEAR-LONG))
        (SLASHES (SETQ DATE 'DATE-SLASHES))
        (SPACES (SETQ DATE 'DATE-SPACES))
        (NO.LEADING.SPACES
         (SETQ LEADER 'LEADER-NO))
        (NO.TIME (SETQ TIME 'TIME-NONE))
        (TIME.ZONE (SETQ TIMEZONE 'TIMEZONE-YES))
        (NO.SECONDS (SETQ TIME 'TIME-MINS))
        (DAY.OF.WEEK (OR (EQ DAY 'DAY-SHORT)
                        (SETQ DAY 'DAY-LONG)))
        (DAY.SHORT (SETQ DAY 'DAY-SHORT))
        (PROGN
         NIL))
    finally (if (AND DATE (SETQ DATE (FM.GETITEM DATE NIL DFE)))
                then (FM.CHANGESTATE 'DATE DATE DFE))
              (if (AND YEAR (SETQ YEAR (FM.GETITEM YEAR NIL DFE)))
                  then (FM.CHANGESTATE 'YEAR YEAR DFE))
              (if (AND MONTH (SETQ MONTH (FM.GETITEM MONTH NIL DFE)))
                  then (FM.CHANGESTATE 'MONTH MONTH DFE))
              (if (AND DAY (SETQ DAY (FM.GETITEM DAY NIL DFE)))
                  then (FM.CHANGESTATE 'DAY DAY DFE))
              (if (AND LEADER (SETQ LEADER (FM.GETITEM LEADER NIL DFE)))
                  then (FM.CHANGESTATE 'LEADER LEADER DFE))
              (if (AND TIME (SETQ TIME (FM.GETITEM TIME NIL DFE)))
                  then (FM.CHANGESTATE 'TIME TIME DFE))
              (if (AND TIMEZONE (SETQ TIMEZONE (FM.GETITEM TIMEZONE NIL DFE)))
                  then (FM.CHANGESTATE 'TIMEZONE TIMEZONE DFE]))

```

; ???

(DATEFORMAT-EDITOR-SHOW-STATE

; Edited 29-Mar-88 13:01 by Koomen

```

[LAMBDA (DFE)
  (LET ((PROMPTW (GETPROMPTWINDOW DFE))
        (FORMAT (DATEFORMAT-EDITOR-GET-STATE DFE)))
    (CLEARW PROMPTW)
    (printout PROMPTW (GDATE $$DATEFORMAT-EDITOR-IDATE FORMAT))

```

(DATEFORMAT-EDITOR-ABORTFN

(* Koomen "30-Jan-87 23:43")

```

[LAMBDA (ITEM WINDOW BUTTONS)
  (DATEFORMAT-EDITOR-STATUS WINDOW 'ABORT])

```

(DATEFORMAT-EDITOR-CLOSEFN

(* Koomen "30-Jan-87 23:42")

```

[LAMBDA (WINDOW)
  (if (EQ (DATEFORMAT-EDITOR-STATUS WINDOW)
          'EDIT)
      then (DATEFORMAT-EDITOR-STATUS WINDOW 'ABORT])

```

(DATEFORMAT-EDITOR-GETDFLTFN

; Edited 29-Mar-88 13:08 by Koomen

```

[LAMBDA (ITEM WINDOW BUTTONS)
  (if (EQ (DATEFORMAT-EDITOR-STATUS WINDOW)
          'EDIT)
      then (DATEFORMAT-EDITOR-PUT-STATE WINDOW EDIT-DATEFORMAT-DEFAULT)
          (DATEFORMAT-EDITOR-SHOW-STATE WINDOW]))

```

(DATEFORMAT-EDITOR-PUTDFLTFN

; Edited 29-Mar-88 13:16 by Koomen

```

[LAMBDA (ITEM WINDOW BUTTONS)
  (if (EQ (DATEFORMAT-EDITOR-STATUS WINDOW)
          'EDIT)
      then (SETQ EDIT-DATEFORMAT-DEFAULT (DATEFORMAT-EDITOR-GET-STATE WINDOW))

```

(DATEFORMAT-EDITOR-QUITFN

```
[LAMBDA (ITEM WINDOW BUTTONS)
  (DATEFORMAT-EDITOR-STATUS WINDOW 'QUIT)]
```

(* Koomen "30-Jan-87 23:44")

(DATEFORMAT-EDITOR-SHOWFN

```
[LAMBDA (ITEM WINDOW BUTTONS)
  (if (EQ (DATEFORMAT-EDITOR-STATUS WINDOW)
        'EDIT)
    then (DATEFORMAT-EDITOR-SHOW-STATE WINDOW))
)
```

; Edited 29-Mar-88 13:03 by Koomen

(RPAQ? \$\$DATEFORMAT-EDITOR-ITEMS

```
(( (TYPE MOMENTARY LABEL "Quit" FONT (GACHA 10 BOLD)
   SELECTEDFN DATEFORMAT-EDITOR-QUITFN MESSAGE "Stop editing, return current settings")
  (TYPE DISPLAY LABEL ""))
  (TYPE MOMENTARY LABEL "Abort" FONT (GACHA 10 BOLD)
   SELECTEDFN DATEFORMAT-EDITOR-ABORTFN MESSAGE "Stop editing, ignore changes, return NIL")
  (TYPE DISPLAY LABEL " Default:")
  (TYPE MOMENTARY LABEL "Get" FONT (GACHA 10 BOLD)
   SELECTEDFN DATEFORMAT-EDITOR-GETDFLTFN MESSAGE "Use default settings")
  (TYPE MOMENTARY LABEL "Put" FONT (GACHA 10 BOLD)
   SELECTEDFN DATEFORMAT-EDITOR-PUTDFLTFN MESSAGE "Save settings as default")
  (TYPE DISPLAY LABEL ""))
  (TYPE DISPLAY LABEL ""))
  (TYPE DISPLAY LABEL "DATE: " FONT (GACHA 10 BOLD)))
  (TYPE DISPLAY LABEL " Format: " FONT (GACHA 10 BOLD))
  (TYPE NWAY COLLECTION DATE ID DATE-NORMAL LABEL "dd-mon-yy" SELECTEDFN DATEFORMAT-EDITOR-SHOWFN)
  (TYPE NWAY COLLECTION DATE ID DATE-SLASHES LABEL "dd/mon/yy" SELECTEDFN DATEFORMAT-EDITOR-SHOWFN)
  (TYPE NWAY COLLECTION DATE ID DATE-NONE LABEL "none" SELECTEDFN DATEFORMAT-EDITOR-SHOWFN))
  (TYPE DISPLAY LABEL " ")
  (TYPE NWAY COLLECTION DATE ID DATE-SPACES LABEL "dd mon yy" SELECTEDFN DATEFORMAT-EDITOR-SHOWFN)
  (TYPE NWAY COLLECTION DATE ID DATE-LEADING LABEL "mon dd, yy" SELECTEDFN DATEFORMAT-EDITOR-SHOWFN))
  (TYPE DISPLAY LABEL " Year: " FONT (GACHA 10 BOLD))
  (TYPE NWAY COLLECTION YEAR ID YEAR-LONG LABEL "long" SELECTEDFN DATEFORMAT-EDITOR-SHOWFN)
  (TYPE NWAY COLLECTION YEAR ID YEAR-SHORT LABEL "short" SELECTEDFN DATEFORMAT-EDITOR-SHOWFN))
  (TYPE DISPLAY LABEL " Month: " FONT (GACHA 10 BOLD))
  (TYPE NWAY COLLECTION MONTH ID MONTH-LONG LABEL "long" SELECTEDFN DATEFORMAT-EDITOR-SHOWFN)
  (TYPE NWAY COLLECTION MONTH ID MONTH-SHORT LABEL "short" SELECTEDFN DATEFORMAT-EDITOR-SHOWFN)
  (TYPE NWAY COLLECTION MONTH ID MONTH-NUMERIC LABEL "numeric" SELECTEDFN DATEFORMAT-EDITOR-SHOWFN))
  (TYPE DISPLAY LABEL " Weekday: " FONT (GACHA 10 BOLD))
  (TYPE NWAY COLLECTION DAY ID DAY-LONG LABEL "long" SELECTEDFN DATEFORMAT-EDITOR-SHOWFN)
  (TYPE NWAY COLLECTION DAY ID DAY-SHORT LABEL "short" SELECTEDFN DATEFORMAT-EDITOR-SHOWFN)
  (TYPE NWAY COLLECTION DAY ID DAY-NONE LABEL "none" SELECTEDFN DATEFORMAT-EDITOR-SHOWFN))
  (TYPE DISPLAY LABEL " Spaces: " FONT (GACHA 10 BOLD))
  (TYPE NWAY COLLECTION LEADER ID LEADER-YES LABEL "yes" SELECTEDFN DATEFORMAT-EDITOR-SHOWFN)
  (TYPE NWAY COLLECTION LEADER ID LEADER-NO LABEL "no" SELECTEDFN DATEFORMAT-EDITOR-SHOWFN))
  (TYPE DISPLAY LABEL ""))
  (TYPE DISPLAY LABEL "TIME:" FONT (GACHA 10 BOLD))
  (TYPE DISPLAY LABEL " Format: " FONT (GACHA 10 BOLD))
  (TYPE NWAY COLLECTION TIME ID TIME-SECS LABEL "hh:mm:ss" SELECTEDFN DATEFORMAT-EDITOR-SHOWFN)
  (TYPE NWAY COLLECTION TIME ID TIME-MINS LABEL "hh:mm" SELECTEDFN DATEFORMAT-EDITOR-SHOWFN)
  (TYPE NWAY COLLECTION TIME ID TIME-NONE LABEL "none" SELECTEDFN DATEFORMAT-EDITOR-SHOWFN))
  (TYPE DISPLAY LABEL " Time Zone:" FONT (GACHA 10 BOLD))
  (TYPE NWAY COLLECTION TIMEZONE ID TIMEZONE-YES LABEL "yes" SELECTEDFN DATEFORMAT-EDITOR-SHOWFN)
  (TYPE NWAY COLLECTION TIMEZONE ID TIMEZONE-NO LABEL "no" SELECTEDFN DATEFORMAT-EDITOR-SHOWFN))))
```

(RPAQ? **DATEFORMAT-EDITOR-ITEMS** (COPY \$\$DATEFORMAT-EDITOR-ITEMS))

(DECLARE%: DONTEVAL@LOAD DOCOPY

(RPAQ **\$\$DATEFORMAT-EDITOR** (GET-DATEFORMAT-EDITOR))(RPAQ **\$\$DATEFORMAT-EDITOR-IDATE** (IDATE " 1-Jan-88 23:56:41"))

```
(COND
  ((NOT (GETD ' \OUTDATE-STRING))
   (FILESLOAD (SYSLOAD)
    DATEPATCH)))
)
```

; Get DATE extensions

(PUTPROPS **DATEFORMAT-EDITOR MAKEFILE-ENVIRONMENT** (:READTABLE "INTERLISP" :PACKAGE "INTERLISP" :BASE 10))(PUTPROPS **DATEFORMAT-EDITOR COPYRIGHT** ("Johannes A. G. M. Koomen" 1987 1988 1989))

FUNCTION INDEX

DATEFORMAT-EDITOR-ABORTFN	DATEFORMAT-EDITOR-PUT-STATE	DATEFORMAT-EDITOR-SHOWFN
DATEFORMAT-EDITOR-CLOSEFN	DATEFORMAT-EDITOR-PUTDFTFN	DATEFORMAT-EDITOR-STATUS
DATEFORMAT-EDITOR-GET-STATE	DATEFORMAT-EDITOR-QUITFN	EDIT-DATEFORMAT
DATEFORMAT-EDITOR-GETDFTFN	DATEFORMAT-EDITOR-SHOW-STATE	GET-DATEFORMAT-EDITOR

VARIABLE INDEX

\$\$DATEFORMAT-EDITOR	\$\$DATEFORMAT-EDITOR-ITEMS	EDIT-DATEFORMAT-DEFAULT
\$\$DATEFORMAT-EDITOR-IDATE	DATEFORMAT-EDITOR-ITEMS	

PROPERTY INDEX

DATEFORMAT-EDITOR
