

File created: 2-May-88 13:47:17 {ERINYES}<LISPUSERS>MEDLEY>HEADLINE.;2

changes to: (FNS CLOSE.HEADLINES BANNER.MAKE)

previous date: 1-Apr-86 15:45:51 {ERINYES}<LISP>KOTO>LISPUSERS>HEADLINE.;1

Read Table: INTERLISP

Package: INTERLISP

Format: XCCS

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(RPAQQ HEADLINECOMS ((FNS BANNER BANNER.ARRAY BANNER.MAKE BILLBOARD CLOSE.HEADLINES HEADLINE
HEADLINE.ABSTRACTER HEADLINE.ARRAY HEADLINE.MAKE HEADLINE.RECOGNIZER
HEADLINE.RECONSTITUTER)))

(DEFINEQ

BANNER

[LAMBDA (PHRASE FONT POSITION ALIGNMENT) (* DAHJr " 4-Mar-86 11:09")
(PROG (TITLE FNT REFERENCE.POINT XALIGNMENT YALIGNMENT W)
[SETQ TITLE (COND
(NULL PHRASE)
"The British are coming")
(T (MKSTRING PHRASE)
[SETQ FNT (OR FONT ' (TIMESROMAND 36)
[SETQ REFERENCE.POINT (OR POSITION (PROGN (GETMOUSESTATE)
(create POSITION
XCOORD _ LASTMOUSEX
YCOORD _ LASTMOUSEY)
[SETQ XALIGNMENT (COND
(ALIGNMENT (COND
(LISTP ALIGNMENT)
(CAR ALIGNMENT))
(T ALIGNMENT)))
(T 'CENTER)
[SETQ YALIGNMENT (COND
(ALIGNMENT (COND
(LISTP ALIGNMENT)
(CDR ALIGNMENT))
(T ALIGNMENT)))
(T 'CENTER)
(SETQ W (BANNER.MAKE TITLE FNT REFERENCE.POINT (CONS XALIGNMENT YALIGNMENT)))
(COND
(NULL POSITION)
(MOVEW W])

BANNER.ARRAY

[LAMBDA (TITLES ALIGNMENT SEPARATION POSITION) (* DAHJr " 1-Apr-86 15:34")
(* edited%: " 5-AUG-82 10:42")
(PROG ((X (COND
(POSITION (FETCH (POSITION XCOORD) OF POSITION))
(T 50)))
(ALIGN (OR ALIGNMENT 'CENTER))
(SEP (OR SEPARATION 70)))
(for TITLE in TITLES do (BANNER (CAR TITLE)
(CADR TITLE)
[create POSITION
XCOORD _ X
YCOORD _ (COND
(POSITION (fetch (POSITION XCOORD) of POSITION))
(T (SELECTQ ALIGN
(BOTTOM 30)
(CENTER 400)
(TOP 750)
(SHOULDNT]
(CONS 'LEFT ALIGN))
(SETQ X (IPLUS X SEP)))
NIL])

BANNER.MAKE

[LAMBDA (TITLE FONT REFERENCE.POINT ALIGNMENT) (* DAHJr " 4-Mar-86 11:04")
(PROG (W FNTDESC FONT.HEIGHT REGION DSP BOUNDARY BORDER INFO MAX.WIDTH CHAR WIDTH HEIGHT XALIGNMENT
YALIGNMENT LEFT BOTTOM OFF.SCREEN PLEFT PBOTTOM)
(SETQ FNTDESC (FONTCREATE FONT))
(SETQ FONT.HEIGHT (FONTHEIGHT FNTDESC))
(SETQ BORDER 4)
(SETQ BOUNDARY 4)
[SETQ INFO (for I to (NCHARS TITLE) collect (CONS (SETQ CHAR (NTHCHAR TITLE I))
(STRINGWIDTH CHAR FNTDESC])
(SETQ MAX.WIDTH (OR (CDR (for ELEM in INFO largest (CDR ELEM)))

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0))
(SETQ WIDTH (IPLUS BORDER BORDER BOUNDARY BOUNDARY MAX.WIDTH))
(SETQ HEIGHT (IPLUS BORDER BORDER BOUNDARY BOUNDARY (ITIMES (LENGTH INFO)
                                                                FONT.HEIGHT)))
(SETQ XALIGNMENT (CAR ALIGNMENT))
(SETQ YALIGNMENT (CDR ALIGNMENT))
(SETQ LEFT (SELECTQ XALIGNMENT
                   ((LEFT BOTTOM LOW)
                    (fetch (POSITION XCOORD) of REFERENCE.POINT))
                   ((CENTER MIDDLE)
                    (IDIFFERENCE (fetch (POSITION XCOORD) of REFERENCE.POINT)
                                   (IQUOTIENT WIDTH 2)))
                   ((RIGHT TOP HIGH)
                    (IDIFFERENCE (fetch (POSITION XCOORD) of REFERENCE.POINT)
                                   WIDTH))
                   (SHOULDNT)))
(SETQ BOTTOM (SELECTQ YALIGNMENT
                     ((LEFT BOTTOM LOW)
                      (fetch (POSITION YCOORD) of REFERENCE.POINT))
                     ((CENTER MIDDLE)
                      (IDIFFERENCE (fetch (POSITION YCOORD) of REFERENCE.POINT)
                                    (IQUOTIENT HEIGHT 2)))
                     ((RIGHT TOP HIGH)
                      (IDIFFERENCE (fetch (POSITION YCOORD) of REFERENCE.POINT)
                                    HEIGHT))
                     (SHOULDNT)))
[SETQ PLEFT (MAX 0 (MIN LEFT (IDIFFERENCE SCREENWIDTH WIDTH)
                             (IDIFFERENCE SCREENHEIGHT HEIGHT)))]
[SETQ PBOTTOM (MAX 0 (MIN BOTTOM (IDIFFERENCE SCREENHEIGHT HEIGHT)
                                 (IDIFFERENCE SCREENWIDTH WIDTH)))]
(SETQ REGION (create REGION
                     LEFT _ PLEFT
                     BOTTOM _ PBOTTOM
                     WIDTH _ WIDTH
                     HEIGHT _ HEIGHT))
(SETQ W (CREATEW REGION NIL BORDER))
(WINDOWPROP W 'HEADLINE.TYPE 'BANNER)
(WINDOWPROP W 'HEADLINE.FONT FONT)
(WINDOWPROP W 'HEADLINE.TITLE TITLE)
(WINDOWPROP W 'HEADLINE.ALIGNMENT ALIGNMENT)
(WINDOWPROP W 'BUTTONEVENTFN (FUNCTION MOVEW))
(WINDOWPROP W 'RESHAPEFN 'DON'T)
(SETQ DSP (WINDOWPROP W 'DSP))
(DSPFONT FNTDESC DSP)
(for ELEM in INFO as I from (SUB1 (LENGTH INFO)) by -1
  do (MOVETO (IPLUS BOUNDARY (IQUOTIENT (IDIFFERENCE MAX.WIDTH (CDR ELEM))
                                         2))
            (IPLUS BOUNDARY (ITIMES I FONT.HEIGHT)
                            (FONTDESCENT FNTDESC))
      W)
  (PRIN3 (CAR ELEM)
        W))
(RETURN W))

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(BILLBOARD

```

[LAMBDA (TITLES ALIGNMENT SEPARATION POSITION)
  (HEADLINE.ARRAY TITLES ALIGNMENT SEPARATION POSITION)]
(* DAHJr " 1-Apr-86 15:45")
(* edited%: " 5-AUG-82 10:42")

```

(CLOSE.HEADLINES

```

[LAMBDA NIL
  ;; changed ACTIVEWINDOWS to OPENWINDOWS for Lyric & beyond
  (for WINDOW in (OPENWINDOWS) do (COND
    ((WINDOWPROP WINDOW 'HEADLINE.TYPE)
     (CLOSEW WINDOW]))
  ; Edited 2-May-88 13:47 by Briggs

```

(HEADLINE

```

[LAMBDA (PHRASE FONT POSITION ALIGNMENT)
  (PROG (TITLE FNT FNTDESC REFERENCE.POINT XALIGNMENT YALIGNMENT W)
    [SETQ TITLE (COND
      ((NULL PHRASE)
       "The British are coming")
      (T (MKSTRING PHRASE))]
      [SETQ FNT (OR FONT '(TIMESROMAND 36)
                    (create POSITION
                              XCOORD _ LASTMOUSEX
                              YCOORD _ LASTMOUSEY))]
      [SETQ XALIGNMENT (COND
        (ALIGNMENT (COND
          ((LISTP ALIGNMENT)
           (CAR ALIGNMENT))
          (T ALIGNMENT)))
        (T 'CENTER)]
      [SETQ YALIGNMENT (COND

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(ALIGNMENT (COND
              ((LISTP ALIGNMENT)
               (CDR ALIGNMENT))
              (T ALIGNMENT)))
(T 'CENTER]
(SETQ W (HEADLINE.MAKE TITLE FNT REFERENCE.POINT (CONS XALIGNMENT YALIGNMENT)))
(COND
  ((NULL POSITION)
   (MOVEW W])

```

(HEADLINE.ABTRACTER

(* DAHJr " 4-Mar-86 11:15")

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[LAMBDA (WINDOW)
  (LIST (WINDOWPROP WINDOW 'HEADLINE.TYPE)
        (WINDOWPROP WINDOW 'HEADLINE.TITLE)
        (WINDOWPROP WINDOW 'HEADLINE.FONT)
        (WINDOWPROP WINDOW 'HEADLINE.ALIGNMENT])

```

(HEADLINE.ARRAY

(* edited%: " 5-AUG-82 10:42")

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[LAMBDA (TITLES ALIGNMENT SEPARATION POSITION)
  (PROG ((Y (COND
             (POSITION (FETCH (POSITION YCOORD) OF POSITION))
             (T 670)))
         (ALIGN (OR ALIGNMENT 'CENTER))
         (SEP (OR SEPARATION 70)))
    (for TITLE in TITLES do (HEADLINE (CAR TITLE)
                                       (CADR TITLE)
                                       (create POSITION
                                               XCOORD _ [COND
                                                         (POSITION (fetch (POSITION XCOORD) of POSITION))
                                                         (T (SELECTQ ALIGN
                                                             (LEFT 30)
                                                             (CENTER 500)
                                                             (RIGHT 1000)
                                                             (SHOULDNT])
                                               YCOORD _ Y)
                                       (CONS ALIGN 'BOTTOM))
                                       (SETQ Y (IDIFFERENCE Y SEP)))
      NIL])

```

(HEADLINE.MAKE

(* DAHJr " 4-Mar-86 11:04")

```

[LAMBDA (TITLE FONT REFERENCE.POINT ALIGNMENT)
  (PROG (FNTDESC BORDER XALIGNMENT YALIGNMENT WIDTH HEIGHT LEFT BOTTOM REGION W DSP)
    (SETQ FNTDESC (FONTCREATE FONT))
    (SETQ BORDER 4)
    (SETQ BOUNDARY 4)
    (SETQ XALIGNMENT (CAR ALIGNMENT))
    (SETQ YALIGNMENT (CDR ALIGNMENT))
    (SETQ WIDTH (IPLUS BORDER BORDER BOUNDARY BOUNDARY (STRINGWIDTH TITLE FNTDESC)))
    (SETQ HEIGHT (IPLUS BORDER BORDER BOUNDARY BOUNDARY (FONTHEIGHT FNTDESC)))
    (SETQ LEFT (SELECTQ XALIGNMENT
                       ((LEFT BOTTOM LOW)
                        (fetch (POSITION XCOORD) of REFERENCE.POINT))
                       ((CENTER MIDDLE)
                        (IDIFFERENCE (fetch (POSITION XCOORD) of REFERENCE.POINT)
                                     (IQUOTIENT WIDTH 2)))
                       ((RIGHT TOP HIGH)
                        (IDIFFERENCE (fetch (POSITION XCOORD) of REFERENCE.POINT)
                                     WIDTH))
                       (SHOULDNT)))
    (SETQ BOTTOM (SELECTQ YALIGNMENT
                       ((LEFT BOTTOM LOW)
                        (fetch (POSITION YCOORD) of REFERENCE.POINT))
                       ((CENTER MIDDLE)
                        (IDIFFERENCE (fetch (POSITION YCOORD) of REFERENCE.POINT)
                                     (IQUOTIENT HEIGHT 2)))
                       ((RIGHT TOP HIGH)
                        (IDIFFERENCE (fetch (POSITION YCOORD) of REFERENCE.POINT)
                                     HEIGHT))
                       (SHOULDNT)))
    (SETQ REGION (create REGION
                        LEFT _ (MAX 0 (MIN LEFT (IDIFFERENCE SCREENWIDTH WIDTH)))
                        BOTTOM _ (MAX 0 (MIN BOTTOM (IDIFFERENCE SCREENHEIGHT HEIGHT)))
                        WIDTH _ WIDTH
                        HEIGHT _ HEIGHT))
    (SETQ W (CREATEW REGION NIL BORDER))
    (WINDOWPROP W 'HEADLINE.TYPE 'HEADLINE)
    (WINDOWPROP W 'HEADLINE.FONT FONT)
    (WINDOWPROP W 'HEADLINE.TITLE TITLE)
    (WINDOWPROP W 'HEADLINE.ALIGNMENT ALIGNMENT)
    (WINDOWPROP W 'BUTTONEVENTFN (FUNCTION MOVEW))
    (WINDOWPROP W 'RESHAPEFN 'DON'T)
    (SETQ DSP (WINDOWPROP W 'DSP))
    (DSPFONT FNTDESC DSP)
    (MOVETO BOUNDARY (IPLUS BOUNDARY (FONTDESCENT FNTDESC)))

```

{MEDLEY}<lispusers>HEADLINE.;1 (HEADLINE.MAKE cont.)

W)
(PRIN3 TITLE W)
(RETURN W])

(HEADLINE.RECOGNIZER

[LAMBDA (WINDOW
(WINDOWPROP WINDOW 'HEADLINE.TYPE])

(HEADLINE.RECONSTITUTER

[LAMBDA (DESCRIPTION
(SELECTQ (CAR DESCRIPTION)
(HEADLINE (HEADLINE.MAKE (CADR DESCRIPTION)
(CADDR DESCRIPTION)
(CONS 0 0)
(CADDR DESCRIPTION)))
(BANNER (BANNER.MAKE (CADR DESCRIPTION)
(CADDR DESCRIPTION)
(CONS 0 0)
(CADDR DESCRIPTION)))
NIL])

(* DAHJr " 4-Mar-86 11:19")

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