

File created: 31-Jan-87 18:09:00 {ERIS}<LISPUSERS>LYRIC>BACKGROUNDMENU.;1

previous date: 31-Jan-86 11:36:13 {ERIS}<LISP>KOTO>LISPUSERS>BACKGROUNDMENU.;1

Read Table: INTERLISP

Package: INTERLISP

Format: XCCS

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```
(RPAQQ BACKGROUNDMEUCOMS ((INITVARS BackgroundMenuFixupMode BackgroundMenuSuperItem
                             BackgroundMenuTopLevelItems)
 (FNS BkgMenu.add.item BkgMenu.fixup BkgMenu.move.item BkgMenu.remove.item
      BkgMenu.rename.item BkgMenu.reorder.items BkgMenu.subitems \BkgMenu.locate
      \BkgMenu.locater \BkgMenu.remove.item \BkgMenu.scan.item.list
      \BkgMenu.unremove.item)))
```

(RPAQ? **BackgroundMenuFixupMode** NIL)

(RPAQ? **BackgroundMenuSuperItem** NIL)

(RPAQ? **BackgroundMenuTopLevelItems** NIL)

(DEFINEQ

(BkgMenu.add.item

```
[LAMBDA (item superitem atend) (* mdd "31-Jan-86 11:32")
  (if (NULL superitem)
    then (if atend
           then (NCONC1 BackgroundMenuCommands item)
           else (SETQ BackgroundMenuCommands (CONS item BackgroundMenuCommands)))
    (SETQ BackgroundMenu NIL)
    T
    elseif (SETQ superitem (CDDAR (\BkgMenu.locate superitem)))
    then [if (NULL (CDR superitem))
          then (RPLACD superitem (LIST (LIST 'SUBITEMS item)))
          else (if atend
                 then (NCONC1 (CADR superitem)
                              item)
                 else (RPLACD (CADR superitem)
                              (CONS item (CDADR superitem)
                                   (SETQ BackgroundMenu NIL)
                                   T))])])])
```

(BkgMenu.fixup

```
[LAMBDA NIL (* mdd "23-Sep-85 19:09")
  (bind stack (stacking _ (NEQ BackgroundMenuFixupMode 'bottom))
        (result _ T) for x in (BkgMenu.subitems)
  do [if (for i in BackgroundMenuTopLevelItems thereis (EQUAL (MKSTRING i)
                                                                (MKSTRING x)))
        then (if (AND stacking (NEQ BackgroundMenuFixupMode 'top))
                 then (for i in stack do (OR (BkgMenu.move.item i BackgroundMenuSuperItem)
                                             (SETQ result NIL)))
                 (SETQ stacking NIL))
        else (if stacking
              then (SETQ stack (CONS x stack))
              else (OR (BkgMenu.move.item x BackgroundMenuSuperItem T)
                       (SETQ stacking NIL))
              finally [if stacking
                      then (for i in stack do (OR (BkgMenu.move.item i BackgroundMenuSuperItem)
                                                  (SETQ result NIL))
                      (RETURN result])])])])
```

(BkgMenu.move.item

```
[LAMBDA (item superitem atend) (* mdd "31-Jan-86 11:32")
  (if (SETQ item (\BkgMenu.locate item))
    then (\BkgMenu.remove.item item)
    (if (BkgMenu.add.item (CAR item)
                          superitem atend)
      then T
      else (\BkgMenu.unremove.item item)
      NIL])])
```

(BkgMenu.remove.item

```
[LAMBDA (item) (* mdd "23-Sep-85 17:13")
  (if (SETQ item (\BkgMenu.locate item))
    then (\BkgMenu.remove.item item)
    (SETQ BackgroundMenu NIL)
    T])
```

```
(BkgMenu.rename.item
 [LAMBDA (item new.name)
 (if (SETQ item (\BkgMenu.locate item))
 then (RPLACA (CAR item)
 new.name)
 (SETQ BackgroundMenu NIL)
 T])
 (* mdd "23-Sep-85 16:58")
```

```
(BkgMenu.reorder.items
 [LAMBDA (itemlist superitem atend)
 (NOT (for i in (if atend
 then itemlist
 else (REVERSE itemlist))
 do (OR (\BkgMenu.move.item i superitem atend)
 (SETQ $$VAL T])
 (* mdd "23-Sep-85 20:26")
```

```
(BkgMenu.subitems
 [LAMBDA (item)
 (if item
 then (if (SETQ item (\BkgMenu.locate item))
 then (MAPCAR (CDR (CADDR (CAR item)))
 (FUNCTION CAR))
 else 'NotAnItem)
 else (MAPCAR BackgroundMenuCommands (FUNCTION CAR])
 (* mdd "23-Sep-85 18:33")
```

```
(\BkgMenu.locate
 [LAMBDA (item menu)
 (if [AND (LISTP item)
 (CDR item)
 (NOT (SETQ menu (CADDR (CAR (\BkgMenu.locate (CDR item)
 menu]
 then NIL
 else (\BkgMenu.locater (MKSTRING (if (LISTP item)
 then (CAR item)
 else item))
 (OR (CDR menu)
 BackgroundMenuCommands)
 menu])
 (* mdd "23-Sep-85 20:58")
```

```
(\BkgMenu.locater
 [LAMBDA (name items preitems)
 (bind (queue _ (CONS NIL NIL)) until (OR (SETQ $$VAL (\BkgMenu.scan.item.list name items preitems queue))
 (NULL (CAR queue)))
 do (SETQ preitems (CAAR queue))
 (SETQ items (CDR preitems))
 (RPLACA queue (CDR queue))
 (if (NULL (CAR queue))
 then (RPLACD queue NIL])
 (* mdd "23-Sep-85 20:44")
```

```
(\BkgMenu.remove.item
 [LAMBDA (item)
 (if (CDR item)
 then (RPLACD (CDR item)
 (CADDR item))
 else (SETQ BackgroundMenuCommands (CDR BackgroundMenuCommands])
 (* mdd "23-Sep-85 17:12")
```

```
(\BkgMenu.scan.item.list
 [LAMBDA (name items preitems queue)
 (for i in old items do (if (EQUAL (MKSTRING (CAR i))
 name)
 then (RETURN (CONS i preitems))
 else (if (CADDR i)
 then (TCONC queue (CADDR i))
 (SETQ preitems items])
 (* mdd "23-Sep-85 15:39")
```

```
(\BkgMenu.unremove.item
 [LAMBDA (item)
 (if (CDR item)
 then (RPLACD (CDR item)
 (CONS (CAR item)
 (CADDR item)))
 else (SETQ BackgroundMenuCommands (CONS (CAR item)
 BackgroundMenuCommands])
 (* mdd "23-Sep-85 17:17")
```

```
)
(PUTPROPS BACKGROUNDMENU COPYRIGHT ("Xerox Corporation" 1985 1986 1987))
```

FUNCTION INDEX

BkgMenu.add.item1	BkgMenu.remove.item1	BkgMenu.subitems2	\BkgMenu.remove.item2
BkgMenu.fixup1	BkgMenu.rename.item2	\BkgMenu.locate2	\BkgMenu.scan.item.list .2
BkgMenu.move.item1	BkgMenu.reorder.items ...2	\BkgMenu.locater2	\BkgMenu.unremove.item ..2

VARIABLE INDEX

BackgroundMenuFixupMode1	BackgroundMenuSuperItem1	BackgroundMenuTopLevelItems1
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