File created: 5-Dec-2020 16:38:10   **{DSK}<Users>arunwelch>SKYDRIVE>DOCUMENTS>UNIX>LISP>LDE>ROOM S>MEDLEY-35>BACKGROUND-MENU-BUTTONS.;2**

previous date: 17-Aug-90 14:42:07   {DSK}<Users>arunwelch>SKYDRIVE>DOCUMENTS>UNIX>LISP>LDE>ROOMS>MEDLEY-35>BACKGRO UND-MENU-BUTTONS.;1

Read Table: XCL

Package: XCL-USER

Format: XCCS

```
(IL:RPAQQ IL:BACKGROUND-MENU-BUTTONSCOMS
          ((IL:FILES (IL:SYSLOAD)
                  IL:ROOMS)
           (FILE-ENVIRONMENTS IL:BACKGROUND-MENU-BUTTONS)
           (IL:FUNCTIONS MAKE-BACKGROUND-MENU-BUTTON BACKGROUND-ITEM)
           (IL:P (EVAL-WHEN (LOAD)
                        (ROOMS:MAKE-BUTTON-WINDOW (ROOMS:MAKE-BUTTON :TEXT "Make Background Button" :ACTION
                                                         '(MAKE-BACKGROUND-MENU-BUTTON)
                                                         :HELP "make a button which does the same thing as an
                                                         entry on the background menu")))))))

(IL:FILESLOAD (IL:SYSLOAD)
       IL:ROOMS)


(DEFINE-FILE-ENVIRONMENT IL:BACKGROUND-MENU-BUTTONS :PACKAGE "XCL-USER"
    :READTABLE "XCL"
    :COMPILER :COMPILE-FILE)


(DEFUN MAKE-BACKGROUND-MENU-BUTTON ()
    (LET ((ITEM (BACKGROUND-ITEM)))
         (WHEN ITEM
             (ROOMS:MAKE-BUTTON-WINDOW (ROOMS:MAKE-BUTTON :TEXT (PRINC-TO-STRING (FIRST ITEM))
                                              :HELP
                                              (THIRD ITEM)
                                              :ACTION
                                              '(IL:EVAL ,(SECOND ITEM))))))))


(DEFUN BACKGROUND-ITEM ()
```

;; return a menu item from the background menu

;; labels of sub-items are coerced to show where they came from

```
    (DECLARE (GLOBAL IL:|BackgroundMenuCommands|))
    (LET ((ITEM (IL:MENU (IL:CREATE IL:MENU
                                 IL:ITEMS IL:_ IL:|BackgroundMenuCommands|
                                 IL:CENTERFLG IL:_ T
                                 IL:WHENSELECTEDFN IL:_ #'VALUES))))
         (WHEN ITEM
             (LABELS ((ITEM-PATH (ITEMS)
```

;; construct a list of the names of the items in ITEMS on the path to ITEM

```
                                 (DOLIST (I ITEMS)
                                     (WHEN (EQ I ITEM)
                                         (RETURN (LIST (FIRST I))))
                                     (LET ((FOUND (ITEM-PATH (CDR (FOURTH I)))))
                                          (WHEN FOUND
                                              (RETURN (CONS (FIRST I)
                                                            FOUND)))))))
                     (LET ((PATH (ITEM-PATH IL:|BackgroundMenuCommands|)))
                          (IF (REST PATH)
```

;; it's a subitem - coerce the label

```
                              (LIST* (LET ((*PRINT-CASE* :UPCASE))
                                          (FORMAT NIL "~A~{ > ~A~}" (FIRST PATH)
                                              (REST PATH)))
                                     (REST ITEM))
```

;; it's a top-level item - just return it

```
                              ITEM))))))

(EVAL-WHEN (LOAD)

(ROOMS:MAKE-BUTTON-WINDOW (ROOMS:MAKE-BUTTON :TEXT "Make Background Button" :ACTION '(
                                                                         MAKE-BACKGROUND-MENU-BUTTON
                                                                         )
                                :HELP "make a button which does the same thing as an entry on the background
                                menu"))
)

(IL:PUTPROPS IL:BACKGROUND-MENU-BUTTONS IL:COPYRIGHT ("Venue & Xerox Corporation" 1987 1988 1990 2020))
```

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