The ICONW Package

Last Updated 2 August 83 by Sybalsky Filed on [Phylum]<LispUsers>IconW.*

This is a package of functions for building "icon" windows with arbitrary shapes. They can be used as icons for shrinking windows, etc.

Creating Icons

```
(ICONW Image Mask Position NoOpenFlg)
```

Creates a window at Position (or prompts for one if Position is NIL). The window will be filled with Image, as cookie-cut by Mask. With Mask set up as a copy of Image with the enclosed regions filled with balsk, the icon window looks like it's the same shape as Image. If NoOpenFlg is T, the window won't be opened.

There is also a provision for "titled" icons icon windows with user-specified text in them. One starts with a template, which tells how to build a specific instance of a TitledIcon. To create a TitledIcon template, do this:

```
(create TITLEDICON ICON_youricon MASK_yourmask TITLEREG_Region)
```

where Region is a Region within the icon (in icon-relative coordinates) which can be filled with text.

To actually create a titled icon window,

```
(TITLEDICONW IconTemplate Text Font Position NoOpenFlg Just)
```

IconTemplate is one of the things created above, Text is the text to be printed into the icon, and Font the font to print it in (default is Helvetica 10). Position and NoOpenFlg are more or less as above. TITLEDICONW will split the text into lines automatically (at word boundaries), or you can insert CR's yourself. The text is drawn in PAINT mode, so it can come close to lines in the icon image. Normally, each line of the text will be centered, and the whole text will be flush against the top of the message region. You can change this using the Just argument. It is either an atom or a list of atoms; any of TOP, BOTTOM, LEFT and RIGHT are allowed, and have the obvious effect on the positioning of the message.

Attaching an Icon to a Window

```
(WINDOWPROP YourWindow 'ICONWINDOW Iconw)
```

A Collection of Stock Icons

The file <LispUsers>StockIcons contains a collection of icons that I've used in various places; use them as examples, or feel free to re-use them. Nominations for new members of the collection are welcome! Here's a list of the current contents:

FOLDER Afile folder

FOLDERMASK Themask for FOLDER.

PAPERICON Asheet of paper with the top right corner turned

PAPERICONMASK itsmask.

FILEDRAWER The front of a file drawer

GYPSY.FILEDRAWERMASK its mask

ENVELOPEICON An envelope

ENVELOPEMASK itsmask

TITLED.FILEDRAWER A TitledIcon of the file drawer front (Capacity, about 3 lines of 10 pt. text)

TITLED.FILEFOLDER A TitledIcon of the file folder (Capacity, about 3 lines of 10 pt. text)

TITLED.ENVELOPE A TitledIcon of the envelope (Capacity, one short line of 10 pt. text).