

# 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 Thefront of a file drawer

GYPSY.FILEDRAWERMASK itsmask

ENVELOPEICON Anenvelope

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).