

## [9.1] Use icons in toolbars

Custom toolbar titles and labels are usually text. It is an undocumented feature of the 89/92+ that you can also use small graphics (icons) in place of the toolbar titles and labels. This code extract shows the method:

```
circ()
Prgm
ClrIO
Toolbar
Title circimg
Item radimg,r
Item areaimg,a
Item circimg,c
EndTBar

Lbl r
...

Lbl a
...

Lbl c
...

EndPrgm
```

In this example, the icons are the variables *circimg*, *radimg*, and *areaimg*. Note that the icon *circimg* is used in both the toolbar title, and in the third menu item. The icons are PIC variables, 16 pixels high by 16 pixels wide.

The icons can be created in a number of ways. You can use the pixel functions: *PxlCrcl*, *PxlLine*, *PxlOn* and *PxlText* in a program to create the image, then use *StoPic* to save the image. This program creates an icon, and saves it as *icon1*.

```
iconex()
Prgm
©Create & save a simple icon

©Clear the graph screen
clrgraph
clrdraw

©Draw a box
pxlline 1,1,1,16
pxlline 1,16,16,16
pxlline 16,16,16,1
pxlline 16,1,1,1

©Draw a circle in the box
pxlcrcl 8,8,6

©Draw an "E" in the circle
pxltext "E",5,5

©Save the icon
stopic icon1,1,1,16,16

EndPrgm
```

You can also use the *NewPic* command with a matrix to to build an icon.

Frank Westlake has written a program for the 92+ called *Image Editor* to create icons and other picture variables. You can get it here:

<http://frank.westlake.org/ti/index.html>

John Hanna's *Iview* program at

<http://users.bergen.org/~tejohhan/iview.html>

can be used to create icons, or to convert other PC graphics files to icons.

Note that you can use the Contents toolbar item in Var-Link to view PIC variables, including the icons you create.

*(credit to Mike Grass for toolbar example)*