



GRAVOGRAPH NEW HERMES


NODE EDITING

A. First, set up a new page in Corel Draw.

1. Job Setup

- a. Left click on the file menu
- b. Then left click on new

Now create some graphics so that you can hand trace

- c. Left click on the Text Tool 
- d. Left click in the center of the page


Make sure that the current font is AvantGarde Bk BT

- e. Type an uppercase "U"

Your "U" should look like this one

U

Now resize it.

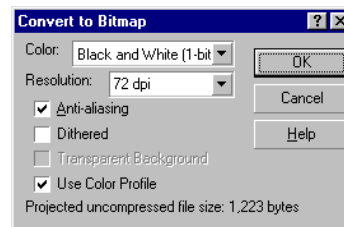
- f. Left click on the Pick Tool 
- g. Double left click on the number in the width box on the property bar
- h. Change that number to 1.0
- i. Tap the TAB key
- j. Type in a new height of 1.0



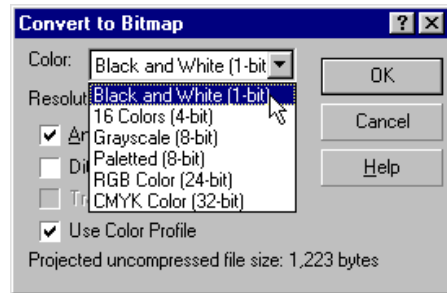
Now convert the letter to a bitmap

- k. Left click on the Bitmaps menu
- l. Left click on the convert to Bitmap menu selection

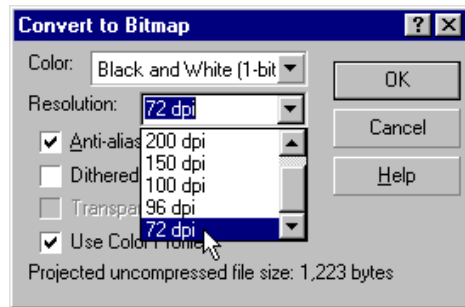
The Convert to bitmap window will open



- m. Left Click on the down arrow next to the color selection box
- n. Left click on Black and White (1-bit) color selection



- o. Left click on the down arrow next to resolution
- p. Left click on 72dpi resolution selection



- q. Left click on OK



You will see that our “U” is now choppy, similar to something you would receive as original artwork


The last thing to do is to change the letter’s color to something light

- r. Select the graphic that you created. Right Click on Yellow



Now lets redraw it

- 2. Zoom In on your work

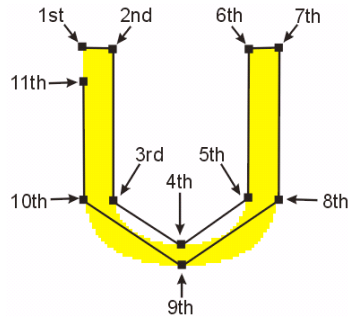
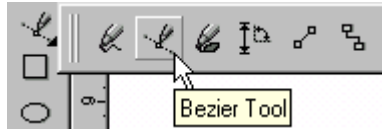
- a. Left click on the Zoom Tool 

and drag a box around the graphic



3. Placing Nodes (Control Points)

- a. Left click on a blank space of the layout area to have nothing selected
- b. Left click on the Curve flyout
- c. Left click on the Bezier Tool
- d. Left click on the places in the order specified below



All the lines you just made are straight.

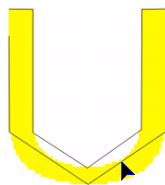
4. Converting a line to a curve

- a. Left click on the Shape Edit Flyout
- b. Left click on the Shape Edit Tool

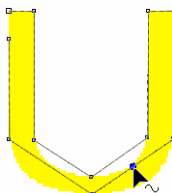


Because the bottom of the U needs to be round, change the straight line segments to curves.

- c. Left click on the black portion the newly made lines to select it
- d. Left click on the line segment as shown below



You will see a marker appear on the line segment meaning that you want to change that segment




- e. Left click on the Convert Line to Curve Tool on the property bar

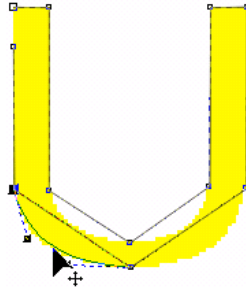


Now pull the straight line segment out to match the original graphic.

- f. Move the mouse cursor over the line you marked

Your cursor should change to look like  this:, indicating that this segment is a curve and can be pulled

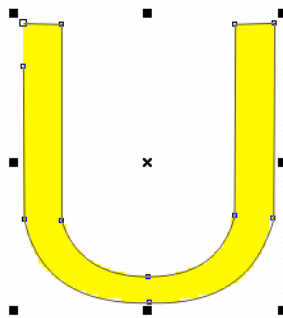
- g. With the Shape Edit cursor, Left click and hold. Then drag the new curve to match the existing graphic



There are three other line segments that need to be converted from a line to a curve

- h. Use steps d - g to change the rest of the segments

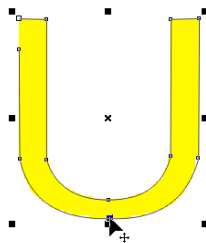
Your graphic should look close to this




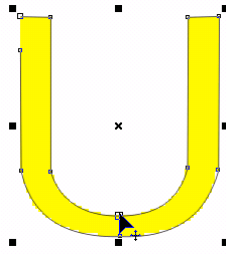
5. Making Nodes Smooth

Next, smooth the two bottom middle nodes

- a. Left click on the very bottom Node to select it



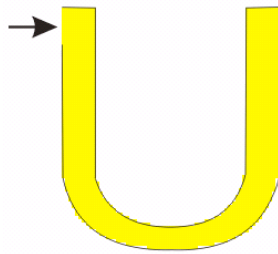
- b. Left click on the Make Node Smooth tool 
- c. Left click on the Node just above that



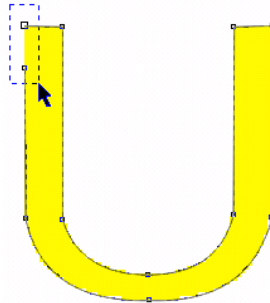
- d. Left click on the Make Node Smooth tool 


6. Extend Curve to Close

Next close that gap in the contour

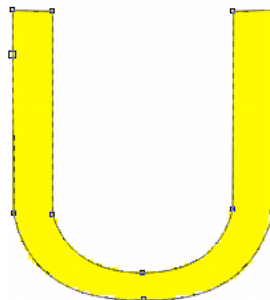


- a. Draw a box around the two Nodes that need to be connected



- b. Left click on Extend Curve to Close 

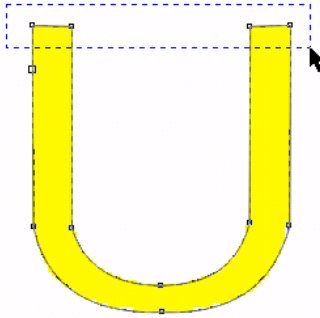
Your shape should look like this



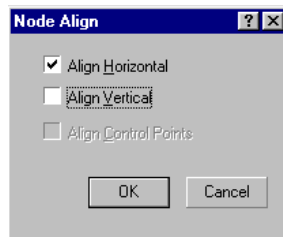
7. Align Nodes

If particular nodes are aligned, the shape will take on a better appearance

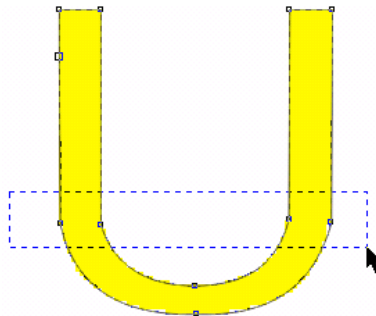
- a. Select the top four nodes by drawing a box around them



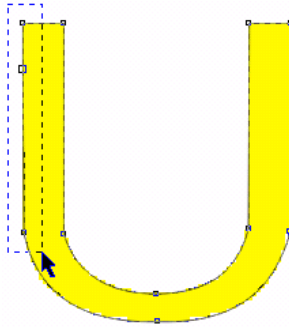
- b. Left click on the Align Nodes tool
- c. Make sure that only the Align Horizontal is checked & left click OK



- d. Draw a box around the following nodes & align them horizontally as below

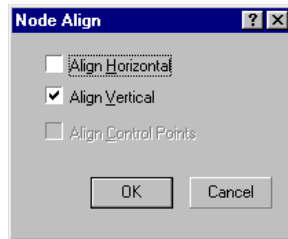


e. Draw a box around the following nodes



f. Left click on the Align Nodes tool 

g. Make sure that only the Align Vertical is checked & left click OK



h. Repeat the steps for the following nodes

