Running *OnlyALAD*

1.) Obtain a digital image of the range chart you want to work with in a fairly high resolution. You can clip the image out of a pdf, or scan a printed page.

Create a directory for this section and put the file in it.

2.) Obtain a CONOP format Taxon dictionary file. Putting it in the directory with the section data makes sense to me, but other places are okay. Check with Chuck about the current version of the Taxon Dictionary.

3.) Start OnlyALAD and load your image file, using the File menu.

4.) Align the vertical axis (rock thickness) of the image with the vertical axis of the window, by placing a line along the image. There is a button to place the line and a second button to rotate the image.

5.) Save the aligned image under a slightly different file name.

6.) Use the Section Info button to enter the section header information. Save this information using the same menu item.

7.) Load the taxon dictionary using the file menu

8.) Set the scale endpoints using the scale menu. Place the endpoints of the line on the ends of the scale in the image, using the first menu option under scale. Then select the second menu option and enter the positions of the lower and upper ends of the scale in the window. Close the window after it shows you the formula.

9.) You are now ready to start marking the collection horizons. You will mark all of these before starting to measure any taxa. Click on the Add Horizon button, and then click on the image at the height of the first horizon (but anywhere along the x-axis). When you click, the program will place a dot and a horizontal line. If it looks correct, hit the space bar, then enter the information about the section.

   If the placement does not look good, hit the “d” key to delete the point and line, and then use the mouse to select a new height. Enter the horizon data as before.

   The program will display the number of the most recently digitized horizon.

   You can re-edit horizon data, or re-digitize a horizon using the buttons below add a horizon.
Use the File menu to save the horizon data periodically, maybe every 10 horizons or so. This will allow you to restart if you have a major error.

10.) When you have placed all the horizons, click the “Horizons Set” button, which will end horizon placement and begin allowing Taxa measurement.

11.) Click on the Add One Taxa button to enter a taxa.

a.) Use the mouse to click on the horizontal location of a taxa across the screen, at any height. Place the line and marker as you did for the horizons. Hit the “space” bar to accept a line or “d” to delete it and try again.

b.) When you accept the line, a window will open asking for the first Three letters in the Genera name-enter only the first 3 letters. This is not case sensitive.

c.) If the genera is found, you will be presented with a list of species. Select the one you want and click okay. If the Genera isn’t found in the taxon dictionary, you will get a code of 99999:Taxa not found in the species window, otherwise you will get the correct species name and code. You can edit the species name if you want to, then click okay.

d.) The next step is to specify the presence/absence information about the taxon. The program will draw a red box at the first horizon. Hit a key to:

- a- indicate an absence of the taxa-erasing the red box
- p- indicate a presences-drawing a green box

The program will then move to the next horizon
Type

- b-to back up one spot and delete any box
- x-to indicate there are no specimens at or above the current horizon.

The program will continue moving up the horizons until you type x or reach the top of the section.

e.) Use the file menu to save taxa data occasionally.

12.) When you have finished all Taxa, use the Save Section Data to Template File button to save all your information in the template output format.