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**********************************************
*                                            *
*      Welcome to the Graph Creator v1.5     *
*                                            *
*   Created and Written by Rick Hinebaugh    *
*               Copyright 1988               *
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Intro:

The Graph Creator is written in BasicG for the Model 4. It has the capibility of creating Line Graphs, Bar Graphs and Pie Charts. The program is fast and simple to use, all you have to do is answer the prompts. So lets go over the commands.

Create a Graph:

After the program has initialized the Main Menu will appear. To create a graph press <F1>. You will then be prompted for the Title you want to appear on your graph. It is a formatted entry with brackets showing you the length allowed. Next you will be prompted for the Label to go on the Bottom of the graph. You can put in something like Created By Joe Hacker or anything you want. Next you will be prompted for the Title of the elements. If you are making a Line or Bar Graph this will be used to label what the numbers you will be entering. If you are making a Pie Chart you can enter something like 'Months ---- Value'. Experiment and you can get what you want. Next comes the prompt for the number of Decimals you want then values to be printed out in. If you are working with whole numbers enter '0'. If you are working with dollars and cents enter a '2' for the prompt. Now the work begins. Next comes the prompt for how many Elements you will be entering. Because of the size of the text characters I have limited it to a maximum of 24 so that you will be able to use at least a 2 character label. The more elements you have the less characters you will have. So lets say you are working with the months of 1987 you would enter 12. Were almost there. Next comes the prompts for each Element Label. This is also a formatted entry that depends on the number of elements you entered. Next enter the values for each of the labels. This entry also shows the maxiumum value according to the number of decimals used. This is done to get the most information on the screen as possible. And after all that is done you will be prompted for the type of graph to create. <F1> is for Line Graphs, <F2> is for Bar Graphs and <F3> for Pie Charts. After you do that just sit back and watch the screen goto work. After the screen drawing is complete just press ANY KEY to return to the Main Menu.

Main Menu:

After creating a graph you will have more options from the Menu.
<F1> will let you create another graph.
<F2> will let you Save the current graph in memory or load another one.
<F3> will let you edit all the information on the current graph. More on this in a minute.
<SHIFT> <F1> will show you the Hi Res Screen again. Just press any key to return to the Menu.
<SHIFT> <F2> will use the Systems GPRINT program. If you use another just change line 2030 to the one you use.
<SHIFT> <F3> will let you exit to the SYSTEM Prompt.

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Loading/Saving:

When you first enter the program the <F2> key will take you straight to the Load Option because there is nothing in memory. So lets talk about loading first. When you goto load the program prompts for a drive number to look for a file on. It will do a catalog and then prompt for a filename to load. All Graphs created will be saved with the /GPH extension so all you have to enter is the filename and not the extension for the file to load. If the program cannot find the file on that disk it will return you to the main menu so you can try again. After it has read the data it will draw the graph. Just press Any Key to return to the Main Menu. Press enter to the filename prompt to abort the load.

When you goto the Save function, if you have previously loaded a file, after the drive to save to prompt it will tell you to just press enter to save the graph using the current filename, or you can enter another filename. Do not enter and extension then program automatically uses /GPH for the save function. If a file that you are saving is already on the disk it will ask if you want to Overwrite it. If you enter 'N' you can go back and save it under another name.

Editing:

This is where the flexibility comes in. From the Edit function you can...

1) Change the type of graph from one to another without changing any data.
2) Edit the number of decimals to display.
3) Edit all the labels.
4) Edit the labels and values for the elements.
5) Add another Element. When you add another Element the program will alter your previously entered labels so that they will fit on the screen. You may have to go back and abbreviate them.

When you enter the number you want to change a (*) marker appears next to the data you are going to change. At the bottom of the screen the prompt appears for you to change the data. Just pressing Enter leaves the data unchanged. This is very useful when changing the Labels and not the Values for an element or vice versa. After you have entered the new information then graph will be redrawn. After it completes the graph just press any key to return to the Edit Menu.

Other Notes of Interest:

Since the Hi Res Files take up 19k of disk space I am using just data files to store the graph information. If you want to save the screen to a Hi Res file to use in a slide show or something like that, just exit the program after you have completed the graph to your satisfaction and use the GSAVE/CMD program to save it. I have included 3 sample files
1) LINE/GPH -- Sample line graph
2) BAR/GPH --- Sample bar graph
3) PIE/GPH --- Sample pie chart

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If you have any comments, good or bad, just leave me a note.

Thru GEnie use E-Mail or
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