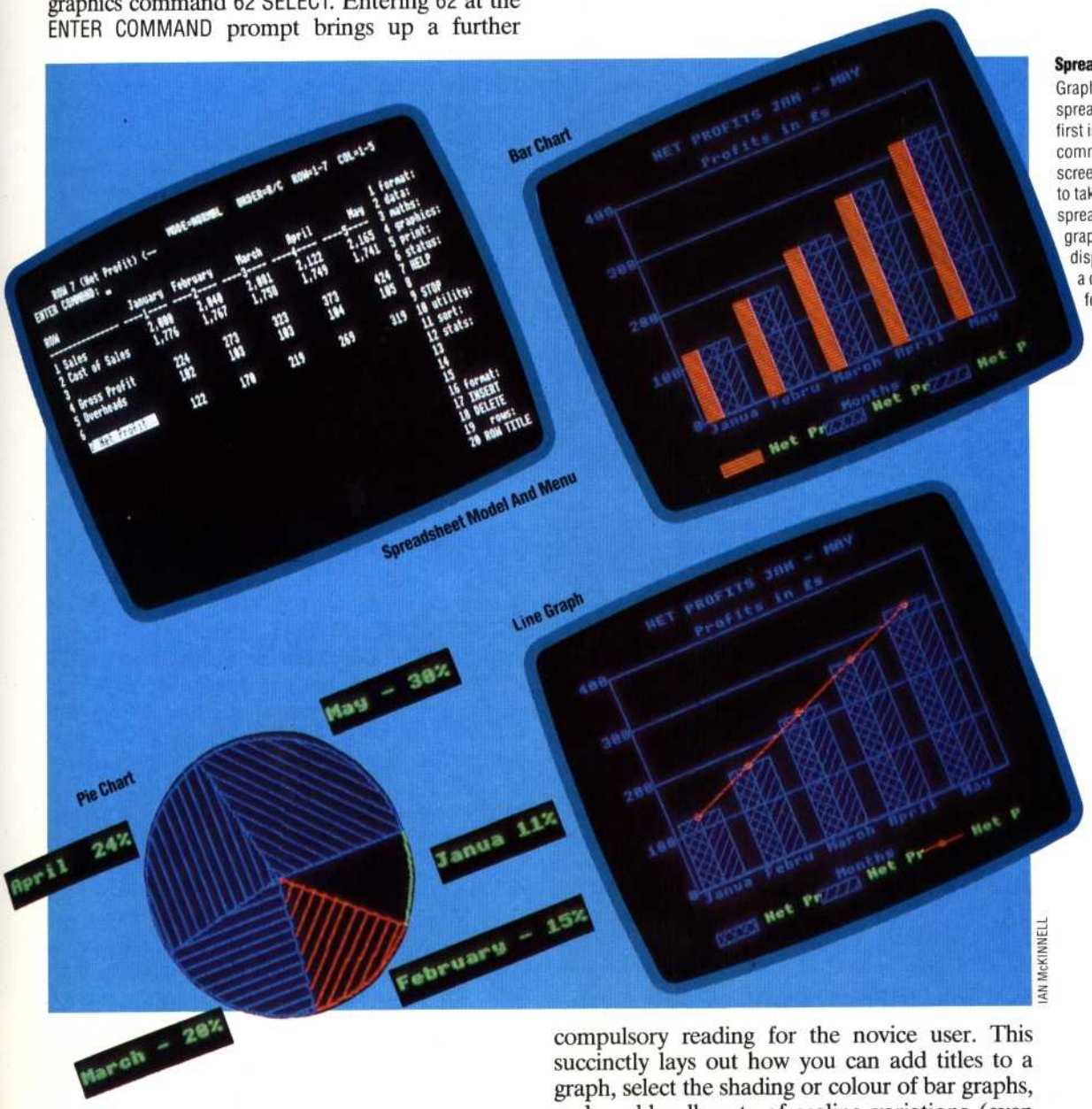
titles ('Sales', 'Cost of Sales', etc.) along the x-axis, with the bars representing the values given in column one ('January') of the model.

Given the appropriate data, Graph Plan can instantly produce a considerable number of different graphs from the data given in this model. All of these graphs can be seen, in turn, on the screen, with no further intervention from the user. Graph Plan allows this to be done using the graphics command 62 SELECT. Entering 62 at the ENTER COMMAND prompt brings up a further prompt on status line three. If you are in 'row mode', for example, you will be asked to give the number of the row of data that you want graphed. As soon as you select a row, the prompt changes to ask which type of graph you want: 'Choose (Bar=1, Line=2, Pie=3)'. You can then view the graph immediately by selecting command 61 DISPLAY. And you can change from bar graphs to line or pie graphs at will.

If you want more flexibility in the layout and design of a graph, you can use command 63 OPTIONS. The manual displays a very good 'decision chart', which clearly illustrates the selection process you have to go through when using this command. Command 63 presents you with a six-option menu screen: Display Chart, Define Chart Options, Define Axes Options, Define Pie Options, Print Chart and Plot Chart. Furthermore, the Graph Plan manual has a special appendix, called a 'Guide through the graphics sub-menus', which is compulsory reading for the novice user. This succinctly lays out how you can add titles to a graph, select the shading or colour of bar graphs, and enable all sorts of scaling variations (even down to making the axes logarithmic rather than linear).

A good graphics facility built into a spreadsheet (that itself has mathematical and statistical functions) makes Graph Plan suitable for a wide range of relatively simple scientific and engineering applications. The package provides an excellent means of presenting data, either for reports or lectures, and will, therefore, appeal to technicians and scientists as well as to commercial users.



Spreadsheet Display
Graph Plan differs from other spreadsheets in two ways. The first is the menu of numbered commands on the right of the screen. The second is the ability to take data from the spreadsheet and present it in graphic form. Graph Plan can display data from a row or from a column, in any of three formats, as shown