

# B - GRAPH

**M3435X**  
**Series**  
1st. Edition

**SORD**

**SORD**



**SORD**

**M343 SX Series  
BGRAPH**

1st ED. 1984•6

**SORD COMPUTER CORPORATION**



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## **1.0 OVERVIEW**

# NOTES

| PARAMETER TABLES |    |     |    |     |    |     |    |     |    |     |    |
|------------------|----|-----|----|-----|----|-----|----|-----|----|-----|----|
| NO.              |    | NO. |    | NO. |    | NO. |    | NO. |    | NO. |    |
| 1                | 31 | 5   | 40 | 9   | 62 | 13  | 67 | 17  | 68 | 21  | 71 |
| 2                | 38 | 6   | 41 | 10  | 63 | 14  | 67 | 18  | 68 | 22  | 71 |
| 3                | 39 | 7   | 57 | 11  | 63 | 15  | 67 | 19  | 69 | 23  | 72 |
| 4                | 40 | 8   | 59 | 12  | 64 | 16  | 68 | 20  | 70 | 24  | 72 |
|                  |    |     |    |     |    |     |    |     |    | 25  | 72 |
|                  |    |     |    |     |    |     |    |     |    | 26  | 74 |
|                  |    |     |    |     |    |     |    |     |    | 27  | 75 |

# 1.0 OVERVIEW

## 1.0 OVERVIEW

The B-GRAPH system makes a variety of graphs based on data on a PIPS formatted page on the PIPS data diskette. When the graph is made it is displayed on the CRT. You may then either print out the graph on a dot matrix printer or on an XY plotter.

The system offers a choice of 12 different graphic representations of the data on the PIPS page: 11 graphs and a printout of the page itself.

This manual assumes that the reader is fully familiar with PIPS III. If there are PIPS III related terms or operations with which you are not familiar, please refer to your PIPS III Users Guide.

The following are some terms with which you should be familiar before reading this manual.

**B-GRAPH SYSTEM DISKETTE** The diskette which contains the B-GRAPH program. It must be in drive #0 to operate the B-GRAPH system. Unlike the PIPS III system diskette, the B-GRAPH system diskette has no sub file. No data may be stored on the B-GRAPH system diskette.

**PDATA DISKETTE** This is the diskette on which you create PIPS tables with the PIPS III system. There must be a PDATA diskette in drive #1 to operate the B-GRAPH system. You may edit the pages on the PDATA diskette while using the B-GRAPH system, but you may not create new pages or add or delete lines or columns on existing pages. Such editing must be done in the PIPS III system.

**MAIN MENU** There are two menus in the B-GRAPH system from which to select and execute commands. This is the first you encounter. This menu is displayed when you start up the B-GRAPH system. Operations from this menu are explained later in this manual.

| MAIN MENU |    | DOCUMENT LIST MENU |    | GRAPH TYPES |    |       |     |
|-----------|----|--------------------|----|-------------|----|-------|-----|
| AU x      | 21 | B                  | 50 | GR          | 49 | ACML  | 108 |
| BT        | 22 | BT                 | 50 | HELP        | 53 | BAR1  | 81  |
| END       | 27 | E                  | 52 | L           | 52 | BAR2  | 90  |
| G         | 23 | ED                 | 45 | P           | 49 | LINE  | 105 |
| HELP      | 27 | G                  | 52 | PS          | 53 | STEP  | 109 |
| M         | 5  |                    |    |             |    | BAR3  | 95  |
| SET       | 27 |                    |    |             |    | PIE   | 118 |
|           |    |                    |    |             |    | TABLE | 127 |
|           |    |                    |    |             |    | POINT | 113 |
|           |    |                    |    |             |    | RADAR | 124 |

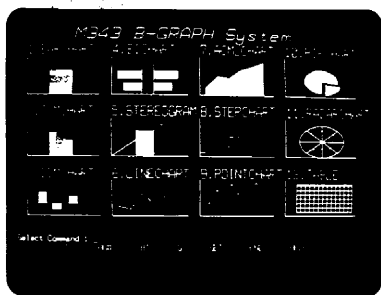
## 1.0 OVERVIEW

DOCUMENT LIST This is a table which contains all of the specifications which determine which data page is to be used for the graph, the kind of graph to be plotted, and other specifications which determine the size, color, positioning, etc. of the various graph elements.

**PARAMETERS** There are 27 parameters on the DOCUMENT LIST, each of which contains specifications about how the graph will be drawn. These 27 parameters are divided into three groups: BASE, STANDARD and EDIT PARAMETERS. The bulk of this manual is devoted to explaining how each parameter affects the final outcome of the graph.

DEFAULT A DEFAULT is a specification which is automatically generated by the system. For instance, there is a PARAMETER in the DOCUMENT LIST called "M.TITLE" (main title). The system automatically assigns the title of the page you specify as the main title. You may edit (change) the defaults if they are not satisfactory.

We will now show you briefly how a graph is made. Don't concern yourself with small details; try to get a general idea of how the system operates. All of the steps involved here are explained in detail later in this manual. The first display you see after you start up the B-GRAPH system is the MAIN MENU. It displays the twelve types of graphs from which you may choose. MAIN MENU commands appear across the bottom of the screen.



| PARAMETER TABLES |     |     |     |     |     |     |     |     |     |     |     |
|------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| NO.              | NO. | NO. | NO. | NO. | NO. | NO. | NO. | NO. | NO. | NO. | NO. |
| 1                | 31  | 5   | 40  | 9   | 62  | 13  | 67  | 17  | 68  | 21  | 71  |
| 2                | 38  | 6   | 41  | 10  | 63  | 14  | 67  | 18  | 68  | 22  | 71  |
| 3                | 39  | 7   | 57  | 11  | 63  | 15  | 67  | 19  | 69  | 23  | 72  |
| 4                | 40  | 8   | 59  | 12  | 64  | 16  | 68  | 20  | 70  | 24  | 72  |

## 1.0 OVERVIEW

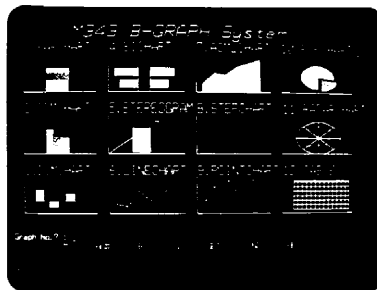
The type of graph to be drawn is selected from the MAIN MENU.

To do this, enter M and press the RETURN key.

Select command : M [RETURN]

The system then asks for the number of the type of graph you want:

M RETURN



Enter the number of the graph to be made and press RETURN. In this example, we have chosen Graph #5, the STEREO GRAPH.

M

Graph No. ? : 5 [RETURN]

The B-GRAPH INPUT SHEET (which will become the DOCUMENT LIST when all the PARAMETERS have been entered) is displayed along with the 27 PARAMETERS which determine the form the graph will take.

| MAIN MENU |    | DOCUMENT LIST MENU |    |      |    | GRAPH TYPES |     |      |     |       |     |
|-----------|----|--------------------|----|------|----|-------------|-----|------|-----|-------|-----|
| AU #      | 21 | B                  | 50 | GR   | 49 | ACML        | 108 | BAR4 | 98  | POINT | 113 |
| BT        | 22 | BT                 | 50 | HELP | 53 | BAR1        | 81  | BAR5 | 101 | RADAR | 124 |
| END       | 27 | E                  | 52 | L    | 52 | BAR2        | 90  | LINE | 105 | STEP  | 109 |
| G         | 23 | ED                 | 45 | P    | 49 | BAR3        | 95  | PIE  | 118 | TABLE | 127 |
| HELP      | 27 | G                  | 52 | PS   | 53 |             |     |      |     |       |     |
| M         | 5  |                    |    |      |    |             |     |      |     |       |     |
| SET       | 27 |                    |    |      |    |             |     |      |     |       |     |



## 1.0 OVERVIEW

The prompt at the bottom left of the screen asks for the number of the page in the master file which contains the data you want to graph.



| D:\GRAPH INPUT SHEET (RAW.DIB) <<< |                |           |    |                 |           |
|------------------------------------|----------------|-----------|----|-----------------|-----------|
| No                                 | ORIG           | PARAMETER | No | EDIT            | PARAMETER |
| 1                                  | Graph Type     | 11        | 13 | H Title         |           |
| 2                                  | Date/Size      |           | 14 | S Title         |           |
| 3                                  | Line or Column |           | 15 | Comment         |           |
| 4                                  | Vector R.C.No. |           | 16 | X Name          |           |
| 5                                  | Y or End No.   |           | 17 | Y Name          |           |
| 6                                  | Unit           |           | 18 | Point Type      |           |
|                                    |                |           | 19 | X Scale         |           |
|                                    |                |           | 20 | Y Scale         |           |
|                                    |                |           | 21 | Plot Title      |           |
| 7                                  | Graph Process  |           | 22 | Line R.C.       |           |
| 8                                  | Draw Size      |           | 23 | Graph Level     |           |
| 9                                  | Low Resolution |           | 24 | Graph Color     |           |
| 10                                 | Line Type      |           | 25 | Graph Point     |           |
| 11                                 | Matrix Plot    |           | 26 | Plot Action Set |           |
| 12                                 | Matrix Color   |           | 27 |                 |           |

Date Page : \_

There are three types of PARAMETERS on the DOCUMENT LIST: BASE, STANDARD and EDIT PARAMETERS.

The BASE PARAMETERS must all be entered by the user. In these PARAMETERS the user specifies the type of graph (actually specified from the MAIN MENU), the page on the data diskette, the data on the page to be graphed, the direction (horizontal or vertical) the data will be graphed, and what units the data will represent.

In our example, we have selected the table on page 1 of the master file as the data base for the graph.

| PARAMETER TABLES |     |   |     |    |     |    |     |    |     |    |     |    |    |
|------------------|-----|---|-----|----|-----|----|-----|----|-----|----|-----|----|----|
| NO.              | NO. |   | NO. |    | NO. |    | NO. |    | NO. |    | NO. |    |    |
| 1                | 31  | 5 | 40  | 9  | 62  | 13 | 67  | 17 | 68  | 21 | 71  | 25 | 72 |
| 2                | 38  | 6 | 41  | 10 | 63  | 14 | 67  | 18 | 68  | 22 | 71  | 26 | 74 |
| 3                | 39  | 7 | 57  | 11 | 63  | 15 | 67  | 19 | 69  | 23 | 72  | 27 | 75 |
| 4                | 40  | 8 | 59  | 12 | 64  | 16 | 68  | 20 | 70  | 24 | 72  |    |    |

# 1.0 OVERVIEW

BAR5

Data Page: 1 [RETURN]

1 RETURN

>>> B-GRAPH INPUT SHEET (Rev. 888) <<<

| No. | BASE           | PARAMETER | No.         | EDIT | PARAMETER |
|-----|----------------|-----------|-------------|------|-----------|
| 1   | Graph Type     | 13        | A Title     |      |           |
| 2   | Date Page      | 14        | S Title     |      |           |
| 3   | Line or Column | 15        | Comment     |      |           |
| 4   | Value R.C. No. | 16        | Y - Min     |      |           |
| 5   | Top End No.    | 17        | Y - Max     |      |           |
| 6   | Unit           | 18        | Date Type   |      |           |
|     | STANDARD       | 19        | X - Scale   |      |           |
|     |                | 20        | Y - Scale   |      |           |
|     |                | 21        | Map. / File |      |           |
| 7   | Graph Process  | 22        | Low R.C.    |      |           |
| 8   | Draw Size      | 23        | Plot Level  |      |           |
| 9   | Bar Hatching   | 24        | Undercut    |      |           |
| 10  | Line Type      | 25        | Graph Zone  |      |           |
| 11  | Point Mark     | 26        | Point Up    |      |           |
| 12  | Point Color    | 27        | Option Set  |      |           |

Unit or (C)olumn ? :

The contents of page 1 are shown below for your information only.  
The table will not appear on the screen at this point.

```

1 : <SALES BY PRODUCT>
2 :
3 : MONTH PRODUCT A PRODUCT B PRODUCT C TOTALS
4 :
5 : JAN 48 89 15 152
6 : FEB 46 97 16 159
7 : MAR 44 105 13 162
8 : APR 47 126 17 190
9 : MAY 43 118 19 180
10: JUN 42 123 22 187
11: JUL 40 128 27 195
12: AUG 36 134 32 202
13: SEP 31 145 33 209
14: OCT 33 147 39 219
15: NOV 25 152 46 223
16: DEC 23 166 58 247
17: TTL 458 1530 337 2325
18:
19: comment :
20: *6.10.10.10.10. /4
  
```

Specifications for BASE PARAMETERS are entered and on the next page.

| MAIN MENU |    | DOCUMENT LIST MENU |            | GRAPH TYPES |                       |
|-----------|----|--------------------|------------|-------------|-----------------------|
| AU *      | 21 | B                  | 50 GR 49   | ACML        | 108 BAR4 98 POINT 113 |
| BT        | 22 | BT                 | 50 HELP 53 | BAR1        | 81 BAR5 101 RADAR 124 |
| END       | 27 | E                  | 52 L 52    | BAR2        | 90 LINE 105 STEP 109  |
| G         | 23 | ED                 | 45 P 49    | BAR3        | 95 PIE 118 TABLE 127  |
| HELP      | 27 | G                  | 52 PS 53   |             |                       |
| M         | 5  |                    |            |             |                       |
| SET       | 27 |                    |            |             |                       |

# 1.0 OVERVIEW

**C** RETURN

\*\*\* B-CRAPH INPUT SHEET (Row.BB) \*\*\*

| No. | SIZE           | PARAMETER | No.        | EDIT | PARAMETER |
|-----|----------------|-----------|------------|------|-----------|
| 1   | Graph Type     | 13        | R Title    |      |           |
| 2   | Data Page      | 14        | S Title    |      |           |
| 3   | Row or Column  | 15        | Comment    |      |           |
| 4   | Value R.C. No. | 16        | X - Name   |      |           |
| 5   | Top / End No.  | 17        | Y - Name   |      |           |
| 6   | Unit           | 18        | Rele Type  |      |           |
|     |                | 19        | X - Scale  |      |           |
|     |                | 20        | Y - Scale  |      |           |
|     |                | 21        | Max / Min  |      |           |
|     |                | 22        | Line R.C.  |      |           |
|     |                | 23        | Rele Label |      |           |
|     |                | 24        | Undercut   |      |           |
|     |                | 25        | Graph Zone |      |           |
|     |                | 26        | Point Up   |      |           |
|     |                | 27        | Option Set |      |           |

Vertical or Horizontal ? :

**V** RETURN

\*\*\* B-CRAPH INPUT SHEET (Row.BB) \*\*\*

| No. | SIZE           | PARAMETER | No.        | EDIT | PARAMETER |
|-----|----------------|-----------|------------|------|-----------|
| 1   | Graph Type     | 13        | R Title    |      |           |
| 2   | Data Page      | 14        | S Title    |      |           |
| 3   | Row or Column  | 15        | Comment    |      |           |
| 4   | Value R.C. No. | 16        | X - Name   |      |           |
| 5   | Top / End No.  | 17        | Y - Name   |      |           |
| 6   | Unit           | 18        | Rele Type  |      |           |
|     |                | 19        | X - Scale  |      |           |
|     |                | 20        | Y - Scale  |      |           |
|     |                | 21        | Max / Min  |      |           |
|     |                | 22        | Line R.C.  |      |           |
|     |                | 23        | Rele Label |      |           |
|     |                | 24        | Undercut   |      |           |
|     |                | 25        | Graph Zone |      |           |
|     |                | 26        | Point Up   |      |           |
|     |                | 27        | Option Set |      |           |

Value Column (E, then END) :

**2** RETURN

\*\*\* B-CRAPH INPUT SHEET (Row.BB) \*\*\*

| No. | SIZE           | PARAMETER | No.        | EDIT | PARAMETER |
|-----|----------------|-----------|------------|------|-----------|
| 1   | Graph Type     | 13        | R Title    |      |           |
| 2   | Data Page      | 14        | S Title    |      |           |
| 3   | Row or Column  | 15        | Comment    |      |           |
| 4   | Value R.C. No. | 16        | X - Name   |      |           |
| 5   | Top / End No.  | 17        | Y - Name   |      |           |
| 6   | Unit           | 18        | Rele Type  |      |           |
|     |                | 19        | X - Scale  |      |           |
|     |                | 20        | Y - Scale  |      |           |
|     |                | 21        | Max / Min  |      |           |
|     |                | 22        | Line R.C.  |      |           |
|     |                | 23        | Rele Label |      |           |
|     |                | 24        | Undercut   |      |           |
|     |                | 25        | Graph Zone |      |           |
|     |                | 26        | Point Up   |      |           |
|     |                | 27        | Option Set |      |           |

Value Column (E, then END) :

## PARAMETER TABLES

| NO. | NO. | NO. | NO. | NO. | NO. | NO. | NO. |
|-----|-----|-----|-----|-----|-----|-----|-----|
| 1   | 31  | 5   | 40  | 9   | 62  | 13  | 67  |
| 2   | 38  | 6   | 41  | 10  | 63  | 14  | 67  |
| 3   | 39  | 7   | 57  | 11  | 63  | 15  | 67  |
| 4   | 40  | 8   | 59  | 12  | 64  | 16  | 68  |
|     |     |     |     |     |     | 20  | 70  |
|     |     |     |     |     |     | 21  | 72  |
|     |     |     |     |     |     | 22  | 71  |
|     |     |     |     |     |     | 23  | 72  |
|     |     |     |     |     |     | 24  | 72  |
|     |     |     |     |     |     | 25  | 72  |
|     |     |     |     |     |     | 26  | 74  |
|     |     |     |     |     |     | 27  | 75  |

# 1.0 OVERVIEW

3 RETURN

\*\*\* B-GRAPH INPUT SHEET (Graw. 888) \*\*\*

| No. | DESC.          | PARAMETER | No. | EDIT | PARAMETER |
|-----|----------------|-----------|-----|------|-----------|
| 1   | Graph Type     | 13        | 13  | 13   | 13        |
| 2   | Scale Page     | 14        | 14  | 14   | 14        |
| 3   | View of Column | 15        | 15  | 15   | 15        |
| 4   | Value R.C. No. | 16        | 16  | 16   | 16        |
| 5   | Top / End No.  | 17        | 17  | 17   | 17        |
| 6   | Unit           | 18        | 18  | 18   | 18        |
| 7   | Graph Process  | 19        | 19  | 19   | 19        |
| 8   | Draw. Size     | 20        | 20  | 20   | 20        |
| 9   | Bar Hatching   | 21        | 21  | 21   | 21        |
| 10  | Line Type      | 22        | 22  | 22   | 22        |
| 11  | Point Mark     | 23        | 23  | 23   | 23        |
| 12  | Point Color    | 24        | 24  | 24   | 24        |
|     |                | 25        | 25  | 25   | 25        |
|     |                | 26        | 26  | 26   | 26        |
|     |                | 27        | 27  | 27   | 27        |

Value Column (E then END) : ..

4 RETURN

\*\*\* B-GRAPH INPUT SHEET (Graw. 888) \*\*\*

| No. | DESC.          | PARAMETER | No. | EDIT | PARAMETER |
|-----|----------------|-----------|-----|------|-----------|
| 1   | Graph Type     | 13        | 13  | 13   | 13        |
| 2   | Scale Page     | 14        | 14  | 14   | 14        |
| 3   | View of Column | 15        | 15  | 15   | 15        |
| 4   | Value R.C. No. | 16        | 16  | 16   | 16        |
| 5   | Top / End No.  | 17        | 17  | 17   | 17        |
| 6   | Unit           | 18        | 18  | 18   | 18        |
| 7   | Graph Process  | 19        | 19  | 19   | 19        |
| 8   | Draw. Size     | 20        | 20  | 20   | 20        |
| 9   | Bar Hatching   | 21        | 21  | 21   | 21        |
| 10  | Line Type      | 22        | 22  | 22   | 22        |
| 11  | Point Mark     | 23        | 23  | 23   | 23        |
| 12  | Point Color    | 24        | 24  | 24   | 24        |
|     |                | 25        | 25  | 25   | 25        |
|     |                | 26        | 26  | 26   | 26        |
|     |                | 27        | 27  | 27   | 27        |

Value Column (E then END) : ..

E RETURN

\*\*\* B-GRAPH INPUT SHEET (Graw. 888) \*\*\*

| No. | DESC.          | PARAMETER | No. | EDIT | PARAMETER |
|-----|----------------|-----------|-----|------|-----------|
| 1   | Graph Type     | 13        | 13  | 13   | 13        |
| 2   | Scale Page     | 14        | 14  | 14   | 14        |
| 3   | View of Column | 15        | 15  | 15   | 15        |
| 4   | Value R.C. No. | 16        | 16  | 16   | 16        |
| 5   | Top / End No.  | 17        | 17  | 17   | 17        |
| 6   | Unit           | 18        | 18  | 18   | 18        |
| 7   | Graph Process  | 19        | 19  | 19   | 19        |
| 8   | Draw. Size     | 20        | 20  | 20   | 20        |
| 9   | Bar Hatching   | 21        | 21  | 21   | 21        |
| 10  | Line Type      | 22        | 22  | 22   | 22        |
| 11  | Point Mark     | 23        | 23  | 23   | 23        |
| 12  | Point Color    | 24        | 24  | 24   | 24        |
|     |                | 25        | 25  | 25   | 25        |
|     |                | 26        | 26  | 26   | 26        |
|     |                | 27        | 27  | 27   | 27        |

Top Row (E then MIN.) : ..

| MAIN MENU |    | DOCUMENT LIST MENU |     | GRAPH TYPES |     |
|-----------|----|--------------------|-----|-------------|-----|
| AU        | 21 | B                  | 50  | GR          | 49  |
| BT        | 22 | BT                 | 50  | HELP        | 53  |
| END       | 27 | E                  | 52  | L           | 52  |
| G         | 23 | ED                 | 45  | P           | 49  |
| HELP      | 27 | G                  | 52  | PS          | 53  |
| M         | 5  |                    |     |             |     |
| SET       | 27 |                    |     |             |     |
|           |    | ACML               | 108 | BAR4        | 98  |
|           |    | BAR1               | 81  | BAR5        | 101 |
|           |    | BAR2               | 90  | LINE        | 105 |
|           |    | BAR3               | 95  | PIE         | 118 |
|           |    |                    |     | TABLE       | 127 |
|           |    |                    |     | POINT       | 113 |
|           |    |                    |     | STEP        | 109 |

# 1.0 OVERVIEW



>>> B-GRAFH INPUT SHEET (Paw.000) <<<

| No. | BASE           | PARAMETER | No. | EDIT       | PARAMETER |
|-----|----------------|-----------|-----|------------|-----------|
| 1   | Graph Type     | 11        | 13  | AL Title   |           |
| 2   | Date Page      | 12        | 14  | SL Title   |           |
| 3   | Row or Column  | 13        | 15  | Comment    |           |
| 4   | Value R.C. No. | 14        | 16  | X - Name   |           |
| 5   | Top / End No.  | 15        | 17  | Y - Name   |           |
| 6   | Unit           | 16        | 18  | Axis Type  |           |
|     |                | 17        | 19  | X - Scale  |           |
|     |                | 18        | 20  | Y - Scale  |           |
|     |                | 19        | 21  | Max / Min  |           |
|     |                | 20        | 22  | Time R.C.  |           |
|     |                | 21        | 23  | Axis Level |           |
|     |                | 22        | 24  | Undercut   |           |
|     |                | 23        | 25  | Graph Zone |           |
|     |                | 24        | 26  | Point Up   |           |
|     |                | 25        | 27  | Option Set |           |

End Row (When Max.) : ..



>>> B-GRAFH INPUT SHEET (Paw.000) <<<

| No. | BASE           | PARAMETER | No. | EDIT       | PARAMETER |
|-----|----------------|-----------|-----|------------|-----------|
| 1   | Graph Type     | 11        | 13  | AL Title   |           |
| 2   | Date Page      | 12        | 14  | SL Title   |           |
| 3   | Row or Column  | 13        | 15  | Comment    |           |
| 4   | Value R.C. No. | 14        | 16  | X - Name   |           |
| 5   | Top / End No.  | 15        | 17  | Y - Name   |           |
| 6   | Unit           | 16        | 18  | Axis Type  |           |
|     |                | 17        | 19  | X - Scale  |           |
|     |                | 18        | 20  | Y - Scale  |           |
|     |                | 19        | 21  | Max / Min  |           |
|     |                | 20        | 22  | Time R.C.  |           |
|     |                | 21        | 23  | Axis Level |           |
|     |                | 22        | 24  | Undercut   |           |
|     |                | 23        | 25  | Graph Zone |           |
|     |                | 24        | 26  | Point Up   |           |
|     |                | 25        | 27  | Option Set |           |

Unit : ..

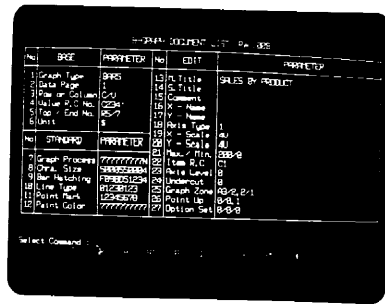
PARAMETER TABLES

| NO. | NO. | NO. | NO. | NO. | NO. | NO. | NO. |
|-----|-----|-----|-----|-----|-----|-----|-----|
| 1   | 31  | 5   | 40  | 9   | 62  | 13  | 67  |
| 2   | 38  | 6   | 41  | 10  | 63  | 14  | 67  |
| 3   | 39  | 7   | 57  | 11  | 63  | 15  | 67  |
| 4   | 40  | 8   | 59  | 12  | 64  | 16  | 68  |
|     |     |     |     |     |     | 20  | 70  |
|     |     |     |     |     |     | 21  | 68  |
|     |     |     |     |     |     | 22  | 68  |
|     |     |     |     |     |     | 23  | 69  |
|     |     |     |     |     |     | 24  | 72  |
|     |     |     |     |     |     | 25  | 71  |
|     |     |     |     |     |     | 26  | 74  |
|     |     |     |     |     |     | 27  | 75  |

## 1.0 OVERVIEW

After the last BASE PARAMETER (#6, Unit) has been entered, the system generates the STANDARD and EDIT PARAMETERS.

**\$ RETURN**



The STANDARD PARAMETERS govern the color specifications for sections of the graph, the size of the titles and other written information on the graph, the type of lines and point markers to be used, the pattern to be used when hatching bars, and paint color specifications. These PARAMETERS may be edited if the default PARAMETERS assigned by the system are not satisfactory.

The EDIT PARAMETERS govern how the graph will be presented, including the title, sub title, scales and so forth. You determine the default PARAMETERS for the STANDARD PARAMETERS. The B-GRAPH system determines the EDIT PARAMETERS based on your entries to the BASE PARAMETERS. Both these PARAMETERS and STANDARD PARAMETERS are always initially determined by the system, but may be edited if the default PARAMETERS assigned by you or the system are not satisfactory.

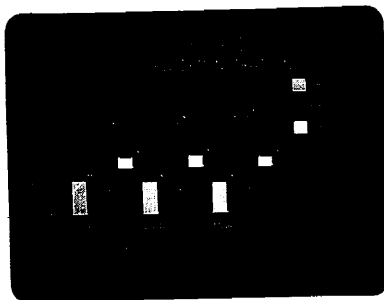
| MAIN MENU   |    | DOCUMENT LIST MENU |            | GRAPH TYPES |     |      |               |
|-------------|----|--------------------|------------|-------------|-----|------|---------------|
| AU $\Sigma$ | 21 | B                  | 50 GR 49   | ACML        | 108 | BAR4 | 98 POINT 113  |
| BT          | 22 | BT                 | 50 HELP 53 | BAR1        | 81  | BAR5 | 101 RADAR 124 |
| END         | 22 | ED                 | 52 L 52    | BAR2        | 90  | LINE | 105 STEP 109  |
| G           | 23 | ED                 | 45 P 49    | BAR3        | 95  | PIE  | 118 TABLE 127 |
| HELP        | 27 | G                  | 52 PS 53   |             |     |      |               |
| M           | 5  |                    |            |             |     |      |               |
| SET         | 27 |                    |            |             |     |      |               |

## 1.0 OVERVIEW

In our example, a few PARAMETERS were added and a few changes made in PARAMETERS.

[illegible]

When PARAMETERS on the DOCUMENT LIST are satisfactory, then you can have the graph drawn on the screen. After the graph is on the screen, the graph may be printed out as hard copy on the plotter or printer. You may also return to the DOCUMENT LIST to change some of the PARAMETERS or to return to the MAIN MENU.



| PARAMETER TABLES |     |   |     |    |     |    |     |    |     |    |     |    |    |
|------------------|-----|---|-----|----|-----|----|-----|----|-----|----|-----|----|----|
| NO.              | NO. |   | NO. |    | NO. |    | NO. |    | NO. |    | NO. |    |    |
| 1                | 31  | 5 | 40  | 9  | 62  | 13 | 67  | 17 | 68  | 21 | 71  | 25 | 72 |
| 2                | 38  | 6 | 41  | 10 | 63  | 14 | 67  | 18 | 68  | 22 | 71  | 26 | 74 |
| 3                | 39  | 7 | 57  | 11 | 63  | 15 | 67  | 19 | 69  | 23 | 72  | 27 | 75 |
| 4                | 40  | 8 | 59  | 12 | 64  | 16 | 68  | 20 | 70  | 24 | 72  |    |    |



## 1.0 OVERVIEW

This manual will cover the details of the commands available to the user, explanations of the various PARAMETERS which may be specified, hints on editing PIPS pages to graph the data more effectively, and many examples of each graph.

As with any tool, the more it is used, the more adept the user becomes at using it. Use B-GRAPH to expand the power and versatility of PIPS in your business applications.

| MAIN MENU |    | DOCUMENT LIST MENU |     | GRAPH TYPES |     |
|-----------|----|--------------------|-----|-------------|-----|
| AUX       | 21 | B                  | 50  | GR          | 49  |
| BT        | 22 | BT                 | 50  | HELP        | 53  |
| END       | 27 | E                  | 52  | L           | 52  |
| G         | 23 | ED                 | 45  | P           | 49  |
| HELP      | 27 | G                  | 52  | PS          | 53  |
| M         | 5  |                    |     |             |     |
| SET       | 27 |                    |     |             |     |
|           |    | ACML               | 108 | BAR4        | 98  |
|           |    | BAR1               | 81  | BAR5        | 101 |
|           |    | BAR2               | 90  | LINE        | 105 |
|           |    | BAR3               | 95  | PIE         | 118 |
|           |    |                    |     | POINT       | 113 |
|           |    |                    |     | RADAR       | 124 |
|           |    |                    |     | STEP        | 109 |
|           |    |                    |     | TABLE       | 127 |

# NOTES

| PARAMETER TABLES |     |     |     |     |     |     |     |     |     |     |     |
|------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| NO.              | NO. | NO. | NO. | NO. | NO. | NO. | NO. | NO. | NO. | NO. | NO. |
| 1                | 31  | 5   | 40  | 9   | 62  | 13  | 67  | 17  | 68  | 21  | 71  |
| 2                | 38  | 6   | 41  | 10  | 63  | 14  | 67  | 18  | 68  | 22  | 71  |
| 3                | 39  | 7   | 57  | 11  | 63  | 15  | 67  | 19  | 69  | 23  | 72  |
| 4                | 40  | 8   | 59  | 12  | 64  | 16  | 68  | 20  | 70  | 24  | 72  |