ADD
40 COMMANDS
TO BBC BASIC
BBC "B" and ELECTRON Computers.
WITH
ADDCOMM

ELECTRON & BBC MICRO USER SHOW

THE ADDCOMM ROM was the first and is still the only ROM to combine <u>TOOLKIT and GRAPHICS</u> facilities. Introduced in the Spring of 1984 ADDCOMM has been accepted generally by reviewers and public alike as being the <u>most versatile and best value for money utility ROM at present on the market.</u>

There are an <u>extra forty BASIC commands</u> listed in the ADDCOMM HELP page, all used exactly as are the BBC BASIC commands offering facilities that no other ROM can match, let alone beat !

For example, the TOOLKIT and UTILITY commands include:

```
ADDCOMM  Switches ADDCOMM off.
MEM Details memory usage.
FKEYS  Displays contents of function keys.
LVAR   Displays program variables used.
FIND   Indicates occurrences of characters in program.
GREPL  Global replacement routine.
SREPL  Selective replacement routine.
KILLREM  Removes REM statements.
COMPACT  Shortens the program creating multi-statement lines.
LLIST  Separates a multi-statement line in listing.
GOODPROG  Usually rescues a BADPROG.
VERIFY  Verifies a program from tape or disc.
CHAR  Defines and edits a character.
SETWIN Creates the facilty of up to seven windows.
WIN  Selects screen window required.
LGOTO  Jumps to a labelled line.
POPFOR, POPGOS and POPREP allow the user to jump out of loops without
  disturbing the running of the program.
SORT  Sorts a single dimension string array.
OPT  provides options within other commands.
```

Any variable/expression/statement/text can be used in the search and replace routines. Not many ROMs can search and replace TOKENISED statements and commands. FULL USER CONTROL over the parts of a program changed, i.e. sections of a program (start and end line numbers), and even inside or outside of quotes. FULL HIGHLIGHTING any screen mode, of found or replaced text. Lines appear in an easy to read split-up form and even if this is not desirable it can be turned off (as can highlighting). INTELLIGENT program search algorithms ignore 'false' text (e.g. in the data that follows a GOTO statement).

The **GRAPHICS** commands in ADDCOMM are fast, efficient, and easy to use:

    SCALE   Sets own screen scale for graphics commands.
    UNSCALE   Reverts to normal BBC screen co-ordinates.
    CIRCLE   Draws circle of specified size and position.
    ELLIPSE Draws ellipse of specified size and position.
    ROTATE   Rotates figure by specified angle.
    TRANS   Translocates figure to new position.
    SMOVE   As for BASIC MOVE but uses set scale.
    SPLOT   As for BASIC DRAW but uses set scale.
    FILL   Fills in colour in desired position.
    CFILL   Mixes required colours.

These extra GRAPHIC statements allow full user control of the screen graphics....**SCALING** allows charts and diagrams to be drawn easily and accurately. Scales can be any size, right up to the limits of the computer's ability and allowing graphs to be 'ZOOMED' into revealing the tiniest detail.
    And that's not all....CIRCLES, ELLIPSES, POLYGONS, etc., can be drawn **ANY SIZE at ANY ANGLE** using a combination of statements, which also allow **ROTATION** and **TRANSLATION** of graphics around the screen giving exceptional graphic capability.

The **FAST FILL ROUTINE** which is incorporated can quickly fill even the most complicated shapes, AND, can produce shades of colours effectively giving over **2 BILLION COMBINATIONS in Mode 2 !!!**

The **LOGO GRAPHICS** statements allow the user to enter the amazing world of LOGO with it's creative and fun method of drawing on the screen.
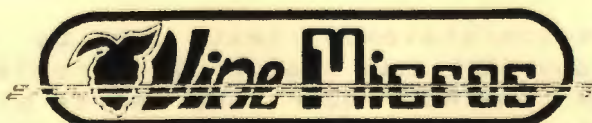   The eight LOGO GRAPHIC statements include:

    PEN Defines type of plot required, e.g. continuous or dotted.
    ADVANCE Draws line for specified distance.
    TURN Changes direction of Logo cursor.
    ANGLE Initialises direction of Logo cursor.
    LCIRCLE Draws cirsle with Logo cursor as centre.
    LELLIPSE Draws ellipse with Logo cursor as centre.
    LMOVE Moves Logo cursor to specified position.
    LPOS Returns position of cursor.

    We are sure that you will agree that ADDCOMM is in a field of it's own and we will be pleased to send you our 16 page brochure, (stamp please), giving further details of ADDCOMM and reprints of recent reviews.

    <u>ADDCOMM comes boxed with a 72 page User Guide and simple installation instructions, the price of '28.00 includes VAT and postage.</u>
    We are able to supply promptly by Mail Order if you are unable to buy locally.