execution. The new words which BASIC5 provides are

VLIN - HLIN - SCR - TEST - SET - BLK - GET - INAT - PUTAT

GO - GO$ - PRNTUSNG - GS - GT - RD - WI - CWI - CWI$

VLIN, HLIN allow the user to plot horizontal or vertical lines, using any graphic character instantly on screen.

SET, TEST provide a single slot plotting system, ideal for graphs, etc

SCR provides an instant screen clear OR screen fill facility

BLK allows fast generation of blocks of graphics

GET is essential for the UK101/Ohio - a non-halting GETKEY routine. GET scans the entire keyboard around 200 times a second.

INAT allows you to input a response to the screen at a pre-detemined field location

PUTAT is the equivalent of PRINT AT - print non-scrolling anywhere on screen. Will print graphics as well as text.

PRNTUSNG a powerful PRINTUSING function is included in BASIC5. It allows you to specify the format of items in a line of output. For instance, you can specify the number of decimal digits to be printed, the position of the dec. point, and/or the size of the field. The field may be up to 48 characters wide, allowing great flexibility. Strings or numbers may be formatted. Multiple items can be displayed in one field.

GO, GO$ allow you to GO to a decimal ($ hex) address and execute the machine code routine stored there. Range is 0-65535, no minus numbers needed with GO!

GS this incredibly flexible command allows you to GOSUBn where n is a variable or expression. Eg: GSX will GOSUB to the value of X. This allows labels to be used.

GT as GS, but GOTOn where n is a variable/expression.

RD a fast READ DATA function. RD200 will instantly read the 200th item in a DATA list. Extremely useful in DATA based programs.

WI,CWI,CWI$ are special controls for CEGMON users. CWI($) allows you to manipulate (in dec or hex) the CEGMON print window for height and width in one command - something which up to now has required much thought! WI will re-initialise the BASIC 5 pointers if you change your screen format; this is very useful if you have fitted our Screen Enhancement Kit.

We must emphasise that all the above functions (except hex calls) operate either under real number OR variable control OR using an expression, thus providing total flexibility of programming and program control. Graphics can be speeded up enormously with the new commands, as can DATA-based programs. Calling machine code routines now becomes a very simple matter with GO and GO$. PUTAT and PRNTUSNG provide a much more comprehensive screen formatting system than the standard PRINT. GS and GT allow labels to be used for subroutines a la Pascal. GET solves many programming problems and speeds up programs enormously.

BASIC5 is supplied in EPROM (9000hex). A tape version is not available. BASIC 5 is available for MONO1/2, SYNMON and CEGMON monitors ONLY. It will work with our ROMDOS and VORTEX disk operating systems. PLEASE STATE PRECISELY COMPUTER and MONITOR WHEN ORDERING - failure to do so will cause a long delay in delivery. Availability is IMMEDIATE.

PREMIER have sold many hundred BASIC 5's and can recommend it as a superb upgrade to your computer. It will speed up the majority of your programs many times.

NOTE that if you do not have an EPROM board, one will be needed to fit BASIC 5. Our suggestion is to purchase BASIC5 plus the Mini EPROM/ROM board as a package deal. The Mini board will enable you to fit BASIC 5 very cheaply and also give you two additional sockets for further EPROM expansion.