

without the need for machine language code.

5. Advan BASIC uses three commands to take advantage of the ATARI sound capability. One of them lets you set up a tune or a sequence of sounds which the system plays automatically (the program can do other things while the sound is being generated). You can even specify whether the sound will be repeated continuously, played once, or played a given number of times.

6. There are two commands which use the ATARI display list interrupt capability. One lets you insert or remove a display list interrupt. The other lets you change what is done at the interrupt.

7. Functions and named subroutines are available. From zero to four arguments may be used.

8. An assembler is built into Advan BASIC.

a) Mnemonics can be used for 6502 commands.

b) You can use line numbers to specify the destinations of jumps and branches.

c) You can directly access and use BASIC variables in the assembly language code.

d) The assembly language code can be inserted into a BASIC program. You do not have to worry about where to place the machine language code.

9. There are several utility programs on the Master disks:

a) Programs to copy files or disks and to format disks.

b) A program which allows 64K of the 130XE computer's memory to be used as a RAM disk.

c) A program to check if a variable has been used only once. This is useful in catching misspelled variables.

d) A checksum program which is useful if you are sending program listings to friends, newsletters, or magazines.

10. Several optional packages are available:

a) A group of utility programs, including renumber, cross reference, and a program to produce special execute only system disks. You can compile one or more programs to one of these system disks and then run the program without loading Advan BASIC. This means you can give or sell programs to people who don't have Advan BASIC.

b) A screen design program that lets you design a display which uses several different graphics modes, and even allows you to design alternate character sets. What's more, there are special named subroutines on this disk which you can append to your program. They give you commands for horizontal and vertical fine scrolling and a special plot command for plotting data to these custom displays.