

APPLESOFT UTILITIES

APLUS

\$ 25.00

DOS 3.3 and 32K required

APLUS is the original Structured Basic enhancement for Applesoft Basic. APLUS provides the tools that will increase your efficiency, simplify program rewriting, and make your program flow more understandable. APLUS adds the following structured programming commands to Applesoft basic: WHEN...ELSE...FIN, UNTIL, WHILE, UNLESS, CASE, SELECT (variable), and (OTHERWISE). Multi-line IF...FIN statements are also supported. APLUS also allows the use of "named" subroutines or "procedures." You can now instruct a program to "DO CURVE-FIT" without worrying about the location of the "DO CURVE-FIT" subroutine. APLUS automatically indents "&LIST"ed programs to clarify the logic flow. The APLUS "&CONVERT" command replaces the above structured programming commands with "GOTO"s and "GOSUB"s to provide a STANDARD Applesoft program as output.

New programs can now be written using "GOTO"-less logic. Existing Applesoft programs can be maintained using APLUS without special conversion.

BUILD USING

\$ 30.00

Applesoft in ROM, 48K, and DOS 3.3 required

A powerful machine language utility for Applesoft programs. BUILD USING includes an easy to use print-using routine plus similar functions for strings. The results may be printed, written to disk, or just stored for later usage. Also included are three levels of error trapping, so you can trap and correct numbers or strings that cannot fit in your specified format. You can choose how many decimal places should be displayed for each number to be printed, and you can even fill the leading positions with the character of your choice. For example, you can print the number '157.23' as '157.2', or '0000157.230', or '*****\$157.23', or '157 AND 23/100 DOLLARS', or hundreds of other ways (including exponential formats). Working with strings is just as easy; it's a snap to convert names from 'John' and 'Doe' to 'Doe, J.'. Stop delaying, once you have BUILD USING, creating those reports and charts that you've been putting off will be fun.

Utilities like BUILD USING are usually difficult to use because they must be located in one memory location (usually between DOS and the DOS file buffers); they cannot be used with your favorite editor or other special routines. BUILD USING does not have this limitation, as it can be easily located in several different memory locations: 1) APPENDED to your Applesoft program, 2) at HIMEM, 3) the "standard" between DOS and DOS file buffers, or 4) anywhere else in memory. Appending BUILD USING to your program is as simple as EXECING a TEXT file. BUILD USING uses the "CALL" command thereby leaving the Ampersand vector free for your own use.