

runtime package, just as in the Custom I/O version described in Section 3 above. In the ISIS-II version the jump vector initially contains the appropriate monitor addresses for the Intellec MDS.

In addition, REMarks and spaces (not within quoted strings) are removed from the compiled program to conserve space.

### Section 7: XYBASIC Runtime Module

The XYBASIC Runtime Module allows XYBASIC programs to be executed with smaller memory overhead than the XYBASIC Interpreter. Like the XYBASIC Compiler, the Runtime Module does not include direct mode, debugging commands or program saving and loading; its intended use is the execution of previously debugged programs rather than program development.

Like the XYBASIC interpreter, the Runtime Module examines five bytes near the beginning of the Module for default values of WIDTH, END OF MEMORY and program address. If the default width and end of memory values are not specified, the Runtime Module prompts the user in the same manner as the Interpreter. If the default program address is not specified, or if the location specified does not contain the start of a XYBASIC program, the Runtime Module prints the error message

PROGRAM NOT FOUND

and terminates execution, returning to the monitor or operating system (as if <control-B> were typed).

If the specified address does contain the start of a XYBASIC program, the program is executed. The result is the same as LOADING and RUNNING the program under the XYBASIC Interpreter, with the following exceptions.

Direct commands (NEW, RUN, LIST, CONT), program saving and loading (SAVE and LOAD), ROMSQuared commands (MOVE and EXEC), editing commands (AUTO, DELETE, EDIT and RENUM), and debugging commands (TRACE, UNTRACE, BREAK and UNBREAK) produce nonfatal UF (Unimplemented Feature) errors but have no other effect.

UNTRAP mode is assumed, i.e. execution continues after nonfatal errors. Error messages give the error line number, but do not print the bad line.

Any action which would return control to direct mode (fatal errors, STOP or END, or typing <control-C>) will instead have the same effect as <control-B>, namely to exit from the XYBASIC Runtime Module and return to the monitor or operating system.

### Section 8: Customized OEM Versions

In addition to supporting the versions outlined above, Mark Williams Company will perform modifications to customize XYBASIC to specific OEM requirements.