## GTEK 7344 PAL Programming Notes

- To burn a pal using the GTEK programmer, edit one of the existing .JED files (example shown below). The header contains some control characters needed by the programmer.
- 2. The header contains information on the chip model and manufacturer. The file below is for a TI 16L8 PAL, signified by PAL16L8 M5 on the second line, and \*MJ\*M5\* on the sixth line.
- 3. Each line following the header corresponds to a line on the PAL design sheet. L000 is line 0, L0032 is line 1, and so on. Each output enable must be explicitly turned on by a line of ones. For the function lines, a zero is a connection and a one a blown fuse. Unused function lines do not need to be specified.
- 4. Once the file is complete, a PAL may be burned using the PALX2 program on a computer set up with a programmer. Plug in the PAL programmer and set the T-switch boxes so that the RS-232 line is connected to the programmer. Enter PALX2 FILENAME.JED from the PAL directory. Alot of information will spill across the screen as your file is loaded into the programmer. The computer will then prompt TIB20-16L8> (for the TI 16L8 chip). Insert the PAL into the correct socket (20 pin PALs must go in the 20 pin socket). Type P and then type Y to burn the pal. The operation takes several seconds, and is complete when the busy light on the programmer goes out.

Sample file begins on the next line---
(hidden control characters)

PAL16L8 M5 PAL DESIGN SPECIFICATION

MAE-412 02/30/88 Jane Doe "MJ"M5"G0"F0"