

Modification of Model 10

BULLETIN PRINTER

by John M. Mulligan, W2BTW

The Model 10 bulletin printer uses 6-inch paper. I made this by setting up a regular 8-inch roll in a lathe and mounting a hack-saw blade in the tool post to make a nice cut. The 2 inches left I gave to my wife W2QBJ for her adding machine.

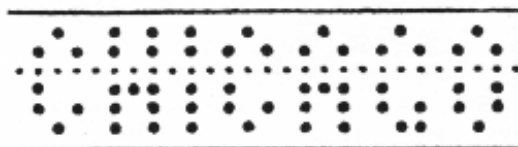
This unit uses a 6th pulse for upper - lower case shift. After removing this mechanism and slowing the machine down to standard, the unit printed very nicely, except for figures and characters upper case.

After much head-scratching and watching to see what happened when "fig" and "ltrs" code came along, I found it was a simple matter to arrange 2 lever and stop cams on the end of the selector shaft (right side of machine facing front) to give shift action (See sketch). It worked beautifully.

The upper-case characters were mixed up from standard so that the machine printed only gibberish on upper case. Next came the un-gibberishing of "fig" characters. After marking the position with red pencil, I removed the rubber wheel. I inked it and rolled it along a piece of paper to compare the thing with regular characters. Since the letters and spaces were OK, a guide was had for re-locating the numbers and punctuations. A printer friend set up a block of type same spacing but like the regular code. This was used by a rubber

stamp man to cast a matrix in hard rubber, whereupon the type was returned to the printer.

After the matrix was obtained, a rubber stamp was made. This gave some trouble. Normal rubber stamps are not particular as to thickness, but in this case the pressure applied must be several times greater than normal, and must be equal along the strip. After several failures, all my work was rewarded at a total cost of \$2.50.



There is getting to be quite a bit of activity on 2 meters in the Chicago area. The frequency is 147.7 mc, using wide-band (20 kc) FM. Polarization is vertical. All of the equipment is Motorola stuff, available for very reasonable prices.

Three more Model 26's went out to fellows in the area this week. They are already on the 147.5 mc FM net for this area. Just takes a change of crystal to get on the printer frequency.

No local RTTY club in this area as yet. Distances between stations are so great that getting a central location for a personal meeting is tough. A lot of the boys live upon the "North Shore," which is the strip of towns up the lake. Several live far south as well. It looks like any "Society" will have to be an over-the-air one. It's no trouble to work on 2 meters with 30 watts or so.

--George M. Boyd, W9SPT

