This page describes some simple modifications that were made to this transmitter to allow operation on the 30m and 20m amateur bands, and permit automatic CQ!

{gallery}cwtx30m/surgery{/gallery}

COIL SURGERY: The first stage was to modify the pi-net coil for 30m and
10 turns: 30m
14 turns: 40m
27 turns: 80m (whole coil length)

{gallery}cwtx30m/rear{/gallery}

RELAYS: This photo shows the installed coil and relays. The large transparent relay in a s

A 12-way rotary switch on the front panel controls both the band-switching relays AND the crystal select

{gallery}cwtx30m/chassis{/gallery}

UNDER THE CHASSIS: Under the chassis after the modifications. See the new 12-way rotary switch at

I later added another two crystals: 10.106 and 14.060.

In the background, my 80/40m RX with frequency counter and audio pipeline from my 30m direct conversion receiver front end.

{gallery}cwtx30m/newlook{/gallery}

NEW LOOK: New look front panel. At bottom left, there used to be 3

{gallery}cwtx30m/tx{/gallery}

QRV ON 30M!: Transmitting on the 10.125 crystal. Under the TX, rem is a little over 50mA indi
12m crystal ATU
sim p
e 30m direct conversion receiver
80/40m RX

The transmitter also tunes fine on 20m using a 14.060 MHz QRP calling frequency crystal. Power outpu

{gallery}cwtx30m/cq{/gallery} **CQ MACHINE!:** Look, no hands on the key! I modified my 30m CRSS beacon (seen here

{gallery}cwtx30m/crowded{/gallery} **CROWDED!:** Behind the rig, it's getting crowded now with all the cab