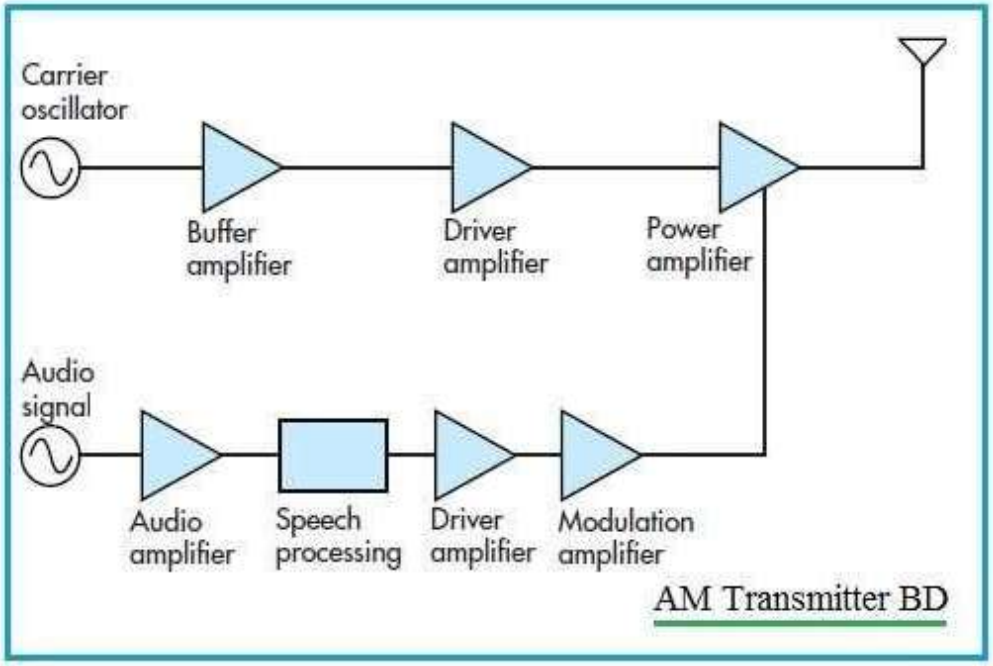
Transmitter options

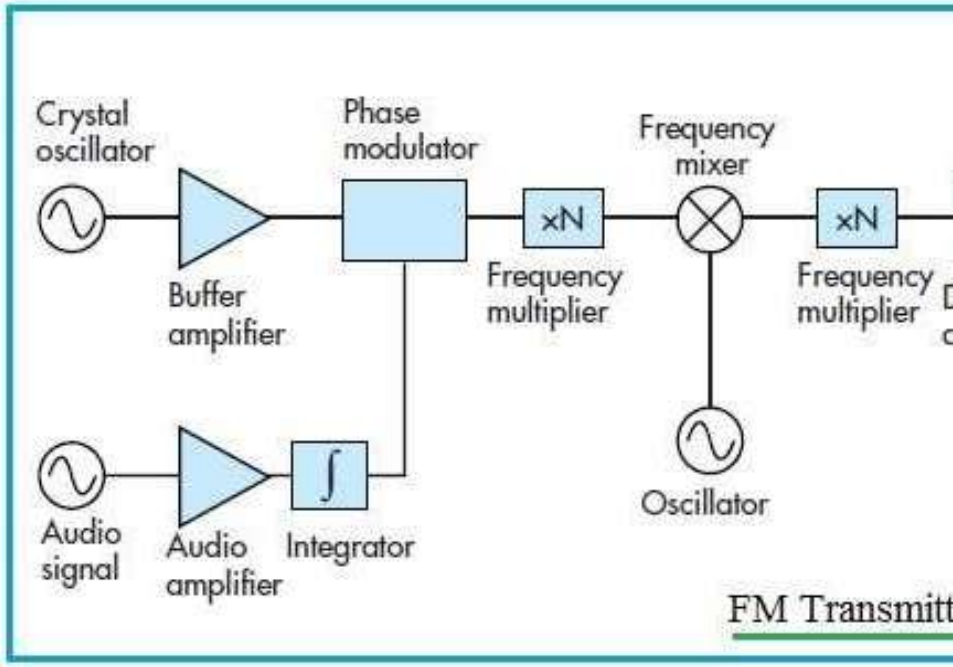
Multiple ways to make transmitters

AM/FM transmitter

FM uses a continuous, un-pulsed wave but changes its frequency up and down to transmit information

AM changes the carrier frequency's Amplitude to produce a sound. -- This is what SSB relies



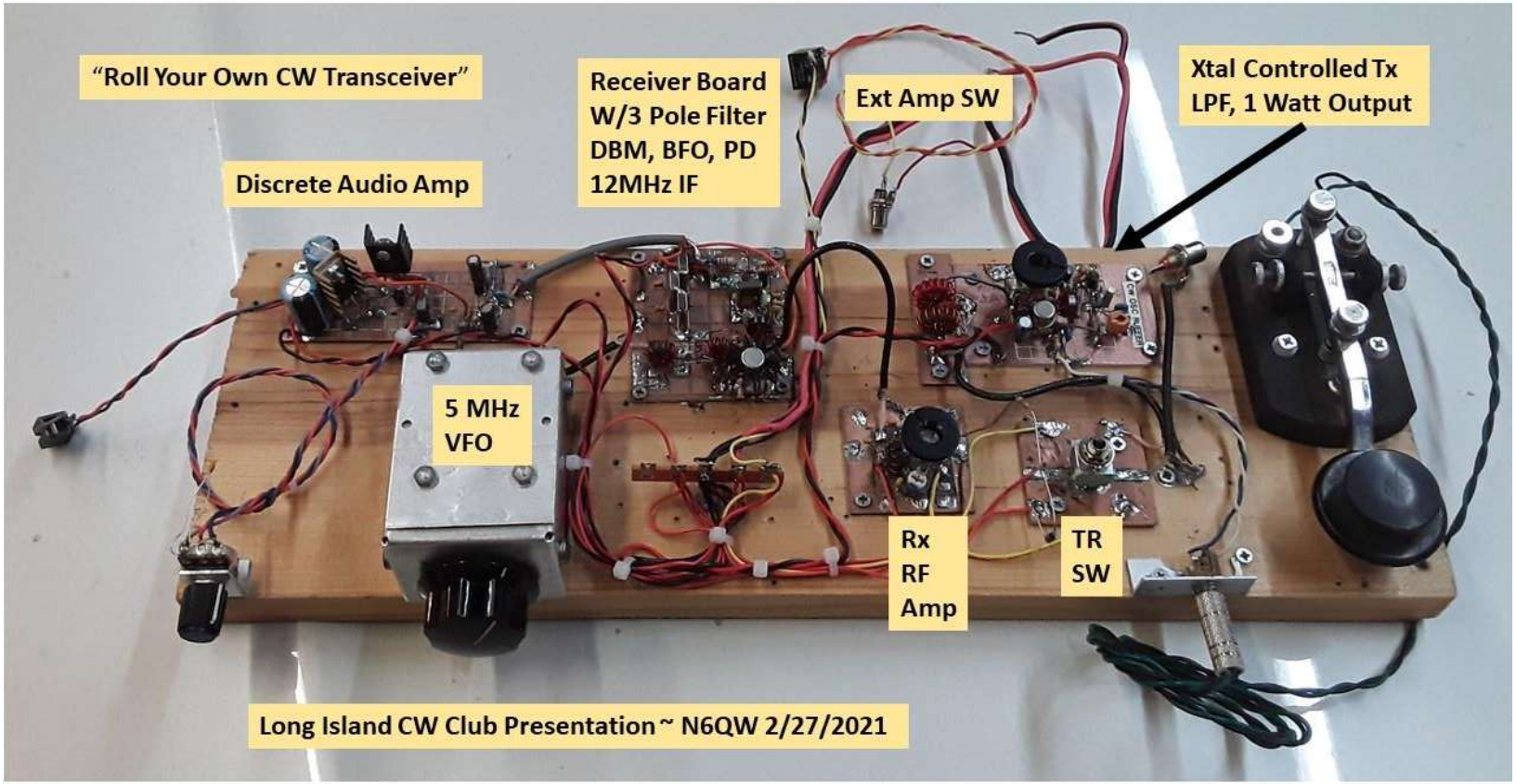


Credit: RF Wireless World

CW Transmitter

- CW does not involve Frequency or Amplitude modulation.
- It is the simplest form of signal: by turning the fixed-frequen carrier on/off.
- Pixie kit uses CW - It operates by turning on/off the carrier frequency
- Simpler electronics and cheaper components, but harder t working right than a SSB transmitter. Due to the challenge o frequency/phase drift when implementing amplifiers.

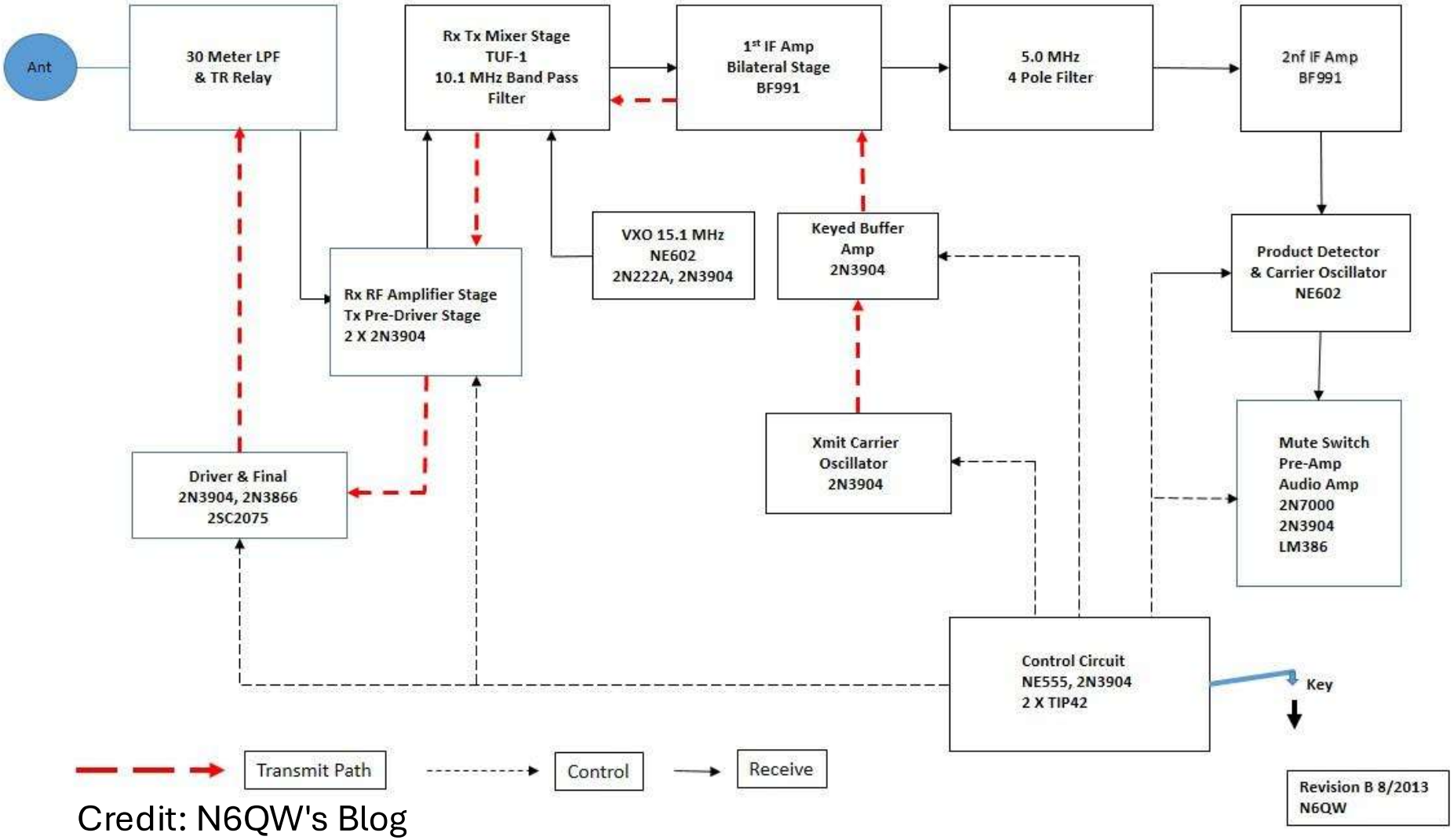
CW Transmitter



Credit: https://n6qw.blogspot.com/2024/01/january-26-2024-simple-cw.html

N6QW made a very useful reference for CW transmission in the 30M /40M HF band using a 5MHZ V
frequency Oscillator

CW Transmitter



Credit: N6QW's Blog

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