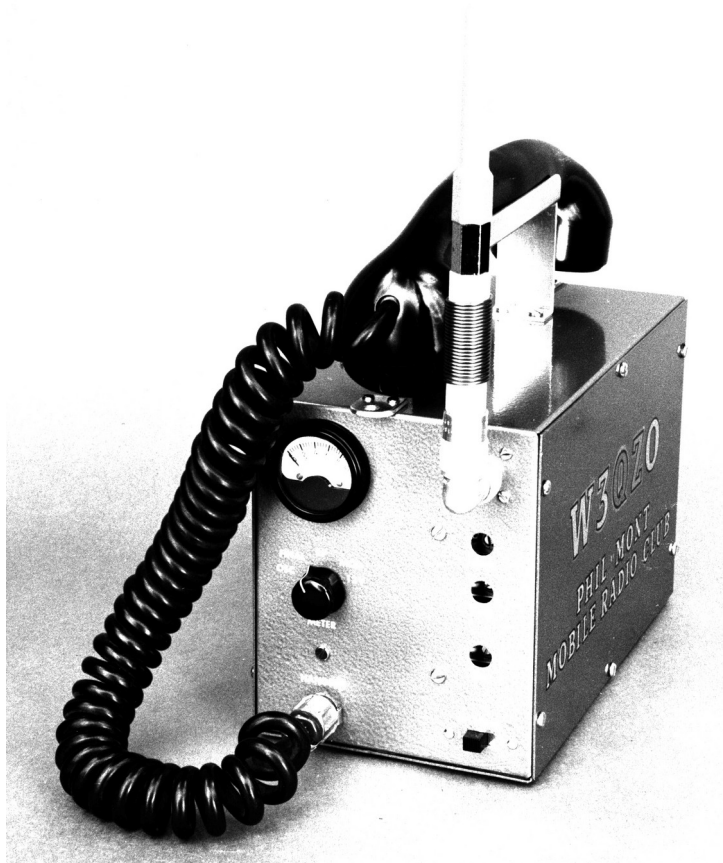


## **W3QZO (W3NE) Robert Thomas (SK) Home-brew 10 Meter Transceiver.**

The following are photos of a 10 meter AM transceiver that Bob built probably sometime in the early 1960's. This probably roughly follows the design of the transceiver shown just below that was published in QST in 1961 but in a miniaturized design. It is not clear if this preceded the 1961 design or occurred later. The transmit crystal is 29.4932 and the receive crystal is 28.100. The battery compartment is empty but housed batteries that supplied -12, -9, and -3 volts. The design used an AM transistor radio board as the IF tuned to 1393 kHz with a 10 meter converter ahead of it. Transistors used plugin sockets. This was used on the then PMRC (Philmont Mobile Radio Club) frequency of 29.493. This frequency was originally selected because of a wealth of 7373.3333 surplus crystals at the time. The advent of satellite frequencies in this range and the beginning of 2 meter FM they moved to a repeater on 147.03 in 1972.



**The transceiver from the 1961 QST article.**



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