

RENO QRP GROUP MEETING 4/18/23

Location at Jack's Café #2 at Sixth St. & N Wells

The meetings are held in the back room.

There were 16 members present today.

Those that attended: Van W7IEX, Woody K1LB, Bob KA6NSN, Krystal AJ6GE, Gary W7BYR, Ray W7TAP, Chris AF7MP, Voz KB7VT, Derek W7DLZ, Phil AB7WE, Tony KC7YPP, Rob KA6JLT, Winfred KK7GYO, Dave KF7EGU, Berry K6ST, Ed WD7Y.

ANNOUNCEMENTS

Next CW NET April 20 has been changed to April 27 on 7.045 at 10:00 AM.

QRPTTF April 22, 2023 CW 8AM to 6 PM for details go to WA7BMN Contests.

Phil AB7WE Will give talk about his progress on the 6T9 Xmitter.

Van W7IEX announced that he has some masts that belonged to the club he would like to get rid of them.

Berry K6ST President of SNARS announced:

W1AW is looking for OP's

SNARS will be doing ARRL FD at Washoe Lake State Park.

He also added a tragic story about the danger of coming in contact with AC power lines.

Door prize was a EFHW Transformer Kit from Four State QRP Group Bob KA6NSN.

SHOW AND TELL

Phil AB7WE gave a great talk about the progress of his 6T9 Transmitter. He gave an outline of dos and don'ts when doing such a project. The transmitter is a fine example of good workmanship and planning. He also mentioned when ordering crystals, the frequency seldom is right on.

The attachments below are two views of the transmitter and the circuit diagram.

The next Reno QRP Group will be held on Tuesday May 16, 2023. In the back Meeting Room at Jacks #2 on Wells and 6th St. at 11:00 AM

Watch for meeting announcement/reminder to be posted later.

Ed/WD7Y





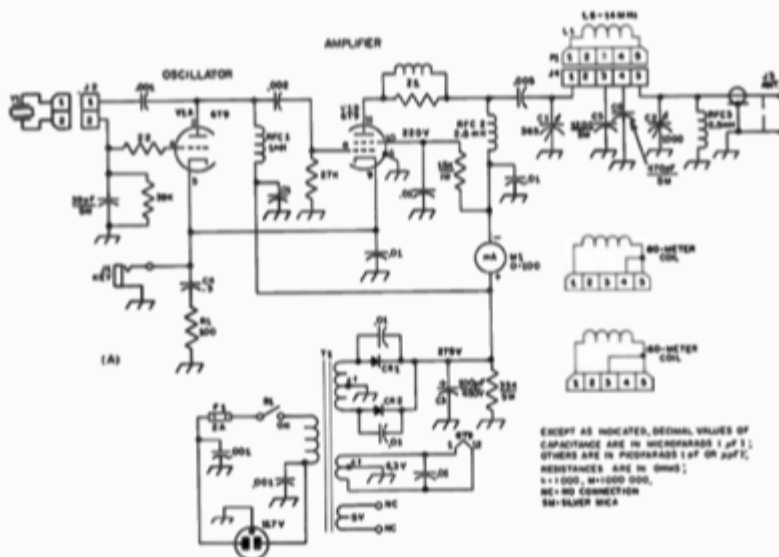


Fig. 3 - Circuit diagram of the 6T9 transmitter. Resistors are 1/2 watt unless otherwise stated. Capacitors marked with polarity are electrolytic.

- C1 - 365-pF air variable (Miller No. 2111 or similar).
- C2 - 360 to 1000-pF padder (Miller No. 160A or similar).
- C3 - 100- μ F, 450-volt electrolytic.
- C4 - 0.5- μ F paper.
- C5 - 1200-pF silver mica.
- C6 - 470-pF silver mica.
- CR1, CR2 - 1000-volt PRV, 750-mA silicon rectifier.
- F1 - 2-amp, 3AG fuse.
- J1 - Open-circuit key jack.
- J2 - Crystal socket.
- J3 - Coax chassis fitting, type SO-239 or phono jack.
- J4 - Coil jack bar (Mitten 41305).
- L1 - 160 meters, 48 turns No. 24, 32 turns-per-inch, 1 inch dia. (B&W Miniductor 3016). 80 meters, 43 turns No. 20, 16 turns-per-inch, 3/4 inch dia. (B&W Miniductor 3011). 40 meters, 30 turns No. 20, 16 turns-per-inch, 3/4 inch dia. (B&W Miniductor 3011). 20 meters, 19 turns No. 18, 8 turns-per-inch, 3/4 inch dia. (B&W Miniductor 3010).
- L2 - 100-mA meter.
- M1 - 100-mA meter.
- P1 - Coil plug (Mitten 40305).
- RFC1 - 1-mH rf choke (Miller 4652-E or similar).
- RFC2, RFC3 - 2.5-mH rf choke (Miller 4666-E or similar).
- S1 - Spst toggle.
- T1 - Power transformer, 470 volt center-tapped, 40 mA, 6.3 volt, 2A, 5 volt, 2A (not used).
- Z1 - 7 turns No. 16 wire, space-wound on a 100-ohm, 1-watt carbon resistor.

EXCEPT AS INDICATED, DECIMAL VALUES OF CAPACITANCE ARE IN MICROGRADS (μ F); OTHERS ARE IN PICOGRADS (pF OR μ pF). RESISTANCES ARE IN OHMS; $\times 1000$, $\times 1000000$, $\times 10^{-10}$ CONNECTION $\times 10^{-10}$ SLIDER MICA