

November 27, 2016

## Kansas City DX Club Meeting Minutes

Carmack Community Room, Central Resource Library - Overland Park, KS



The secretary was unable to attend the October club meeting so no meeting minutes were written for that meeting.

The November 2016 meeting of the Kansas City DX Club was called to order by President **Jeff Blaine, AC0C**, at 6:00 pm CDT (0000 November 29, 2016 UTC).

### Agenda -

- Introductions/Greeting
- Special announcements
- DXing and Contesting
- Presentation by **Gary Auchard, W0MNA**, How to Build a 40M VFO Controlled QRP Transceiver

### Introductions -

As customary, we all introduced ourselves to the group.

**Greg Wolf, KI0KK**, was introduced as a visitor.

### Announcements

- The club Christmas party is scheduled for December 10 (doors open at 5pm) at the home of **Jeff, AC0C**. Bring a dish and BYOB. Be prepared to remove your shoes to preserve the floors in their home. We indicated our intent to attend on the meeting attendance check-off sheet.
- If you need or know of someone who needs a ride to club activities, notify Jeff. We would like to help out anyone in that situation

## **DXing and Contesting**

- **DXing for December –**

**E44QX**

**VK9NM**

**ZS8Z**

- **Contesting for November**

**ARRL 160 meter CW**

**ARRL 10 meter**

**Russian 160 meter CW and Phone**

**Stew Perry Top Band CW**

### **Feature Presentation**

#### **Gary Auchard, W0MNA, How to Build a 40M VFO Controlled QRP Transceiver**

Gary started the project with an idea that he wanted to build such a radio and that he wanted it to cost less than \$100. Just as he was thinking of this an article in the March 2016 QST titled *A Modular 40 Meter CW Transceiver with VFO* appeared. Just about all aspects of this project met Gary's requirements. It featured use of an Arduino processor which has become one of his favorite components. It also included a digital readout of frequency and other aspects of the radio. The designers of this radio were Dr. Jack Purdum, W8TEE, Farrukh Zia, K2ZIA, and Dennis Kidder, W6DQ.

The main components of the radio are the 49er transceiver kit, the AD9850 digital synthesizer module, the LCD display, the Arduino Nano, and a rotary encoder. Gary provided the enclosure, cables and other miscellaneous components from his junk box obtained at hamfests, etc.

Gary suggested getting all information from the author websites to assure the most up to date information. There is a yahoo group where group members are discussing numerous add-ons to this radio.

Gary discussed the major steps in building the various subassemblies, loading the software and checkout. The output power of the transceiver is about 3 watts.

Gary added some enhancements including a CW Filter from 4 State QRP Group Hi-per-mite, a built in CW keyer version 2 by AA0ZZ (kit now retired per 4 State Group website), and an input voltage reading capability that is displayed on the LCD. He also showed us a battery pack he made for the radio for truly off the grid use.

As usual Jeff solicited for speakers and ideas for future meetings. Also newsletter content and suggestions are wanted. Send to **Mike, AB0X**.

The December 2016 club meeting is the Christmas Party on December 10. The January, 2017, meeting is tentatively scheduled for **Monday January 30** at **6:00pm** at the Johnson County Central Library. Check later information to confirm.

**Charles Hett, K0THN, KCDX Club Secretary**