

Reports for YCARC Meeting 02/04/2024

EDUCATION

- An **Extra License class** is scheduled beginning February 8, 2024, every Thursday evening for ten weeks. (Feb 8 – April 11) 6 pm – 8pm. Massabesic Adult and Community Education, 84 West Road, Waterboro, ME 04087
- **Kit Building & Electronic Soldering class** is scheduled for April 23 – May 14. Massabesic Adult and Community Education, 84 West Road, Waterboro, ME 04087
- **February 14th Demonstration at eighth grade science classes** – four different classes of about 20 students each. List may be edited for class duration.
 - Demonstration to consist of:
 - Show EM waves on an oscilloscope with an audio generator, allowing the students to vary the audio frequency while observing the frequency change on the 'scope, and listening to the sound;
 - Measure the distance between wave crests, as time, and convert to frequency;
 - Explain the formula and relationship between frequency and wavelength;
 - Explain energy in the wave by measuring voltage and converting to Watts;
 - Connect a microphone to the oscilloscope and allow students to see their own voices;
 - Use FLDIGI software to generate a CW signal and allow students to type and send messages;
 - Show the received signal on a modern SDR transceiver with waterfall display, also show demodulated signal on 'oscope
 - Demonstrate Morse code transmission and reception
 - A low power transmitter connected into a dummy antenna, with another transceiver across the room, allowing students to send by hand key and "decode" a very slow SOS signal.
 - Demonstrate digital signal transmission using computers connected to radios.

VE TESTING

- April 13 (Saturday) 9:00 am. Wells Town Offices

w1yca.org Web Site

- Need assistance with data for events & calendar

EMAIL REFLECTOR

The email reflector members@w1yca.org is open to every club member for communicating club business, buy/sell/swap - anything ham related, really.

PROGRAMS

- March 3rd VNA and Applications by Zach, KC1SES

PACKET NETWORK

- Nominal operation

MESH NETWORK

- One link is operational;

QUESTIONS

Email or call, Roger, N1XP, Webmaster, (207) 608-9635, n1xp@w1yca.org