

Saturdays: HF Operation Demo & Introduction: Join us in the Radio Room for a demonstration and hands-on instruction of HF operation using the ICOM 7300. The session is geared towards Technicians upgrading to General but is open to all interested in HF operation. No registration required!

Third Saturday of the Month 9am: License Testing: It's easy to get started in Amateur Radio! A straightforward multiple-choice exam will test your basic understanding of the fundamentals of radio and FCC rules! Preregister on Hamstudy.org or with Krissy KI7GJJ at: WV7HS-VE@outlook.com

UPDATED! Aug 31st 9am: Members ONLY: Remote Operation at the Shack: This class is for WVHS Members only who want to be early adopters and help us roll out remote operation. You will learn how you can control the Shack ICOM 7300 from your home just using an internet browser! This new version of the class includes voice operation and FT-8. This is a new membership benefit that is being slowly rolled out to our members. Plan ~2hr.

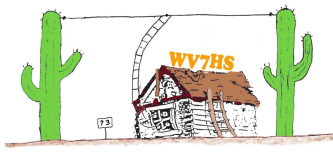
Sep 7th 9am: APRS - Automatic Packet Reporting System: Learn what APRS (Automatic Packet Reporting System) is and why you may want to use it. We will look at a couple VHF handi talkies that support APRS and how it can be used for emergency communications and for On the Air (OTA) activities. It's not just for GPS tracking!

Oct 5th Noon: Introduction to Antenna Modeling & Design: With the advent of free software and applications nowadays, DIYers and hobbyists can design and model complex antennas. No complex math is necessary. One only needs to have a basic understanding of how antennas work and some introductory terminology. This class will cover these areas and then we will model two antennas: a simple dipole antenna for 10-meters and a 3-element Yagi-Uda antenna for the 70-cm band. Along the way we will learn about the effects of antenna height, antenna efficiency, Standing Wave Ratio (SWR), impedance, radiation patterns, optimization, and a few other topics. This will all be performed using the free Windows application called 4NEC2.

Oct 12th Noon: Portable backup Solar Generation Systems for Hams: This class teaches all that you need to know to purchase the correct solar generation components to suit your needs and to assemble your own solar generation system. The class first discusses what your electrical demand requirements are, both for radio and for other support gear. Once demand is determined, a battery of proper Amp hour capacity and type can be selected to provide service between recharge cycles. We then discuss photovoltaic panel designs and calculate the Watt rating required to provide electrical demand, plus charging demand during daylight hours. Last, we tie the system together by discussing charge controllers, battery boxes, interconnect wiring, connector options, circuit breakers and inverters.

This system is primarily intended to power your ham radio gear and ancillary equipment such as antenna tuners, lights and laptops off-grid. This is a 3-hour class

SUNDAY! Oct 18th Noon: Discovering your Technician Privileges: Now that you have your Technician license do you know what you can do with it? You can still talk all over the country, or even all over the world with the right gear and tools. In this class, we will help you get the most out of your technician license. This class is perfect for new Hams or even hams who have had their license for years but haven't ventured out beyond the local repeater. 3hrs



WVHS Events

Oct 19th Noon: Parks on the Air (POTA): Learn about the new craze in portable amateur radio operations that promotes emergency awareness and communications from national and state parks. This course teaches you how to hunt parks from the comfort of your shack, and how to activate a park and rack up many contacts from experienced activator, Frank K7SD. You'll also learn the basics of building a "go-box" for portable operations.

SATURDAY ONLINE and IN-PERSON! Oct 24th Noon: Members ONLY: Remote Operation at the Shack: This class is for WVHS Members only who want to be early adopters and help us roll out remote operation. You will learn how you can control the Shack ICOM 7300 from your home just using an internet browser! This version of the class includes voice operation and FT-8. This is a new membership benefit that is being slowly rolled out to our members. Plan ~2hr. *This class is offered both on-line using Microsoft Teams and In-Person. Plan to attend in-person, if possible, for the best learning experience!*

Oct 26th Noon: Winlink: Learn how you can use Winlink to send and receive emails including attachments using ham radio frequencies (UHF, VHF, or HF). It can function with or without internet and is particularly helpful during disasters when conventional communication lines fail.