



Fridays 12pm: Practice Copying Morse Code: Join us at the Shack and practice copying Morse Code! We will be sending word groups at 5-10 words/min in a fun, relaxed atmosphere. No registration needed – just drop in!

Saturdays: HF Operation Demo & Introduction: Join Carl (N2VQO) 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 Operations but is open to all interested in HF operation. Check the calendar to confirm Carl's availability.

Third Saturday of the Month 12pm: License Testing: It's rather easy to get started in Amateur Radio! A straightforward multiple-choice exam of 35 questions will test your basic understanding of the fundamentals of radio and FCC rules! Test results are simple PASS or NO PASS. The question pool and all the correct answers are available to review online! Preregister with David Morrill. VE Coordinator Phone: 623-680-5011 cell or email: N7TWT@cox.net

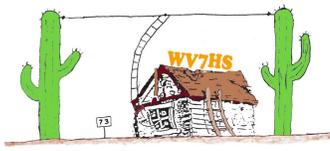
Monday Dec 8 Noon: QSL Card Sort: We have thousands of DX QSL from across the years that need sorting by country. Come join us in an opportunity to chat with fellow hams and sort card. Please RSVP (email WestValleyHamShack@gmail.com) so we know approximately how many "sorters" we'll be hosting. As a bonus: Participants can select a QSL card to take home!

SUNDAY Dec 14th 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. Lastly, 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

Monday Dec 15th Noon: Soldering: Learn by "hands on" use of soldering iron with point-to-point and circuit board soldering practice, a basic class for beginners. Limit of 6 Students – sign up early!. Soldering irons are available for use.

Monday Dec 29 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 technician license for years but haven't ventured out beyond the local repeater.



WV7HS Events

Monday Jan 5 Noon: Working Satellites with Ham Radio: This class is for Hams (Technician class or higher) interested in working satellites for the first time. You will learn the basic principles of amateur radio satellite operation, how to select the appropriate equipment for a basic satellite station, and how to use resources with smart phone apps and online software to predict satellite passes. You'll also learn how to compensate for the Doppler effect on satellite signals, successfully receive signals and make contacts on FM satellites, and log and confirm satellite contacts.

SUNDAY Jan 11 Noon: Mastering FT-8 for DX & Awards: Learn how to use the weak-signal benefits of FT-8 to hunt hard-to-get DX stations. You'll also see how to effectively use GridTracker with FT-8 to achieve various QRZ and LoTW awards, like DXCC and WAS, plus see how GridTracker makes logging FT-8 contacts effortless. This new course will combine concepts from both Basic and Advanced FT-8, while focusing on hacks to add to your DX country count. Taught by Frank K7SD with over 100 QSL countries on FT-8.

Monday Jan 12 Noon: Portable Antenna Systems in the Field: Would you like a portable, compact and versatile antenna system for your EMCOMM go-kit? Or maybe you enjoy POTA or SOTA? Or perhaps you would just like to know more about portable systems like the Buddipole. If so, a portable antenna system might be the antenna system for you! These high performing antennas can be mounted on a tripod, tabletop, balcony and more!

This class first explores Buddipole purchase options, parts and the multitude of add on options for what is truly the Swiss Army Knife of antennas. We will examine the antenna configurations possible with the Buddipole and similar antennas, including Vertical, Horizontal Dipole, Yagi, Vertical Dipole "L" and Vee. Some antenna theory relating to antenna configuration will help to understand the strength and weaknesses of these configurations. Once the best configuration for the field application is determined, a discussion will follow about final assembly, antenna tuning and radial configuration requirements. Some low-level discussion about antenna concepts such as SWR and resonance will round out the class with that perfect tune in its operational environment. This is a 3-hour class.

NEW!! Jan 19 Noon: Making Contacts with Fusion & Wires X: Learn how to get the most out of your Yaesu Fusion Radio! We will learn the difference between Fusion, Wires X, and YSF. You'll learn how to use the C4FM mode on your Yaesu radio on a repeater or with a HotSpot.

RETURNING!! Jan 26 Noon: Raspberry Pi: The Raspberry Pi class is an introduction to the Pi. We cover general information and general uses for the Pi. Recommended components (hardware and software) are discussed. Some Ham-related applications are detailed. After the general coverage we set up a new RPi and install some software applications.

NEW!! SUNDAY Feb 15 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.