

Ham 85 – What’s Posted

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- In the time of the Evergreen ham group, a complete suite of instructions for operating Technician Class and VHF-UHF has developed. To a lesser extent, General / HF gets notice.
 - These one-page articles cover virtually any question about ham radio: how to get licensed, how to operate, what equipment to use, how to build a variety of stations, how to handle problems such as noise, and how to build a digital radio. This entire compilation is about helping you to become radio-active.
 - The articles are responses to questions from new and old hams, as recently as yesterday.
 - The articles were compiled and placed on the website, <https://www.evergreencg.org/>. Yes, the links work.
 - If you have a question, it is likely answered. If not answered, send the question and we will develop an article.
 - Although appearing overwhelming at first, you can get it. You passed the exam. There is nothing more difficult.
- [HomePage](#) is the schedule of events for Evergreen communications group, with dropdown menus to more detail.
- [Chapter 1: Copyright, BIO, Readme](#) is the background and legal stuff, which has become a part of everything.
- [Chapter 2: Tech Class Guide](#) contains supportive study articles for exam prep. These give background to ham radio, how it fits in the communication spectrum, and the fundamental science. Only 1 equation is suggested. Get the Q&A Study Guide: Read the questions, Read only the correct answer, Note the hints. Repeat a few times. You are a ham.
- [Chapter 3: General, Extra](#) is the few articles needed for the slightly more advanced topics introduced for the General License. These were specifically requested by hams who were preparing for General and are now Extra. Go ahead. Get your next license, which offers long range emergency communications and braggin’ rights. You did the first, you can do the next.
- [Chapter 4: VHF, UHF](#) is extensive articles about first radios including handi-talkie and base / mobile, programming manually and with Chirp, comparison and recommended radios, all the components required, a purchase check-list, antenna building or buying, why is my radio not working, budgets, cross-band magic, and a complete Go-Box-Radio.
- [Chapter 5: HF](#) introduces General class privileges and the premier radios for the buck. Software Defined Radio is highly recommended, almost necessary for HF. Much of the info, such as power supplies, is covered in VHF. A separate chapter on antennas covers the biggest aspect of HF.
- [Chapter 6: Antenna, Ground, Lightning](#) is perhaps the most important chapter, since it is critical to safety. Antenna design remains the bastion of creativity and construction. Be judicious. Do every single step or connection. Leaving out just one item can be perilous. Yes, you can operate in inclement weather with proper antenna, lightning protection, and grounding. The TV, commercial stations and storm spotters do. If you insist on disconnecting, you must adequately ground your coax center conductor and shield. Operating in difficult locations and with noise gets several articles. Almost universally, counterpoise is misunderstood but is crucial to antennas. Although related to the return path, it is not ground. See if you can build a simpler or improved antenna for your purposes.
- [Chapter 7: Do it, Operate](#) covers protocol, practices, and procedures used by hams. Articles include activities post license, what does a ham do, repeater etiquette, nets, simplex, weather, jumpstarting with camaraderie and continuing ed, Sho ‘n Tell, and different types of emergency communications. There are numerous fun topics to enhance your ham experience. Volunteer to do a presentation at the monthly Sho ‘n Tell.
- [Chapter 8: Raspberry Pi, STEM & Maker](#) is maker projects. A long tradition of amateurs is building something. Encourage a youngster to get involved with ham as a STEM venture. What do you think the odds are she would make a STEM career. Raspberry Pi micro-computers are well-represented. Emergency power and solar cells get their due. Make something, tell others, help them make it.
- [Chapter 9: Misc.](#) is just what it says. Topics include VE testing, net control, and pay it forward.
- [Chapter 10: HamVoip Allstar – Active](#) is digital radio using voice over IP. Myriad topics cover all aspects from ordering components to building a radio to operation. There is adequate detail that anyone can successfully build a digital radio with just a little Elmer suggestions. This blends everything about amateur. You can do it. Have fun!
- [Chapter 11: AllStarLink -Traditional](#) is the predecessor voip system. This is a complete archive, if you are using that method. I would strongly suggest transitioning to the much more useable iteration.
- [Chapter 12: Latest](#) is an envelope for the recent articles. They are published here first so you know what changed.
- You have your license. You have proven you know all the FCC requires. You are the same place as everyone else. *What are you afraid of?* Be radio-active. Get a radio, listen, and talk to be prepared for emergencies.
- Life is good. Enjoy!

