



Technician License Course

Welcome to Amateur Radio

What is Ham Radio?

[Video](#)



Introductions

- Instructors:
 - Phil, KM6NFS
 - Anders, NR6H
 - James, AE6JG
 - Orion, AI6JB



Introductions

- State your name
- Why are you taking this course?
- Tells us something about yourself you want us to remember.
- Please keep it under a minute



Course Objectives

- Prepare you to pass the Technician Exam
- Learn a little about Ham Radio
- Teach you how to use a radio
- Conquer “Mic Fright”





Expectations

- Class will start and end on time.
- Instructor will be prepared for each topic.
- Students are expected to read assigned material before class and be ready to learn.
- Ham radio is NOT a spectator sport. Active participation in class is vital to success in obtaining your Technician Class license.



Class Schedule

Session 1

- Chap. 1 - Welcome to Amateur Radio
- Chap. 2 - Radio and Signal Fundamental



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Session 2

- Chap. 3 - Electricity, Components, and Circuits



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Session 2

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Session 3

- Chap. 4 - Propagation, Antennas, and Feed Lines
- Chap. 5.1 – Modulation
- Chap. 5.2 – Transmitters & Receivers



Class Schedule

Session 4

- Chap. 5.3 & 5.4– Digital Communications, & Power Supplies & Batteries
- Chap. 6.1 – 6.5
 - Band Plans
 - Making Contacts
 - Using Repeaters
 - Nets
 - Public Service Communications



Class Schedule

Session 5

- Chap. 6.6 – Satellite Operations
- Chap. 7 – Licensing & Regulations
- Chap. 8.1 – 8.3
 - Control Operators
 - Identification
 - Interference



Class Schedule

Session 6

- Chap. 8.4 – 8.6
 - 3rd Party Communications
 - Remote & Automatic Operations
 - Prohibited Transmissions
- Chap. 9 – Safety
 - Electrical & Mechanical Safety
 - Managing RF
 - RF Interference
 - RF Exposure



Class Schedule

Lab 1 – Saturday, 11/11/23

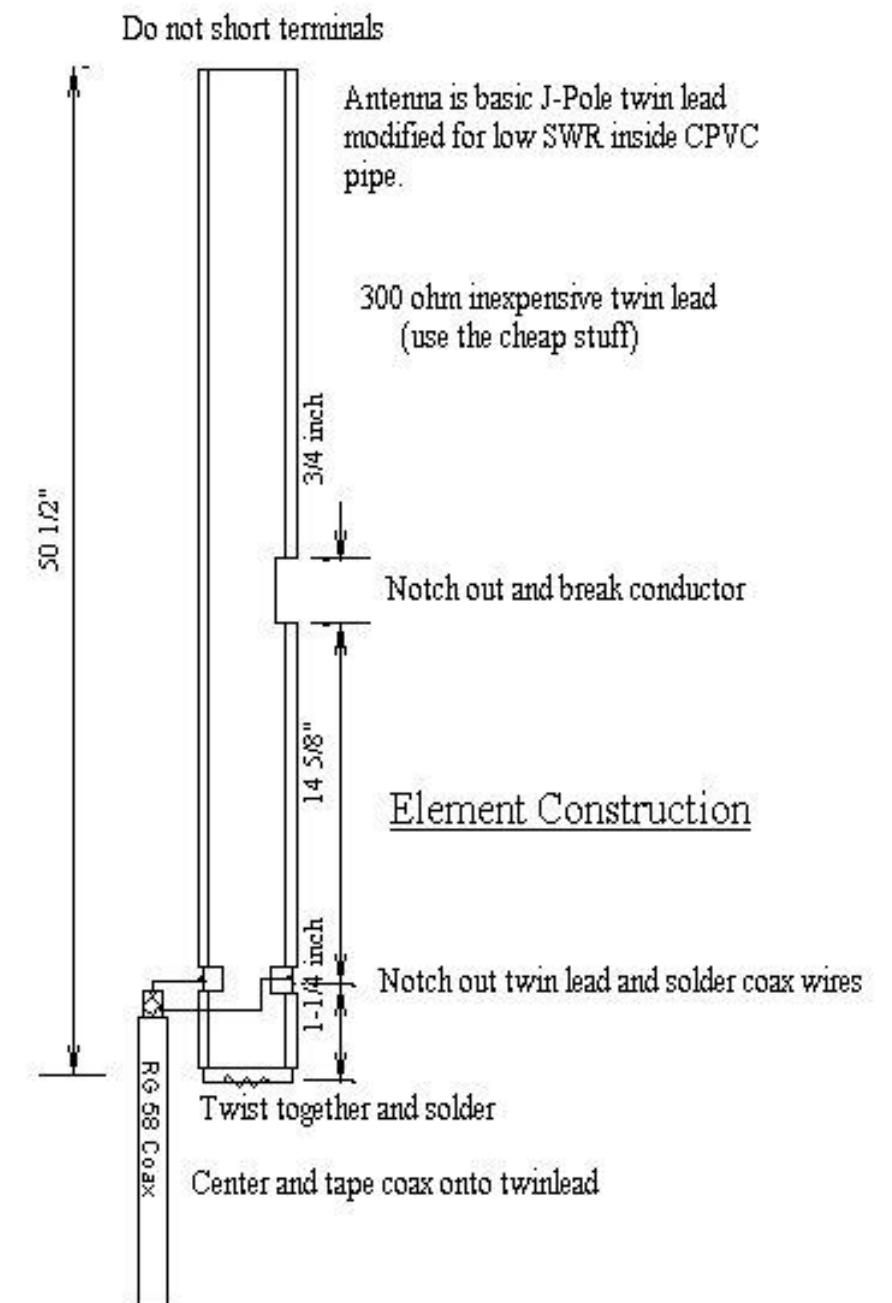
Get On The Air

- Learn How to Use a Radio
- Practice Making Contacts

Lab 2 – Saturday, 12/2/23

Antenna Building

- Build 2 meter J-Pole Antenna (Roll-Up J-Pole)

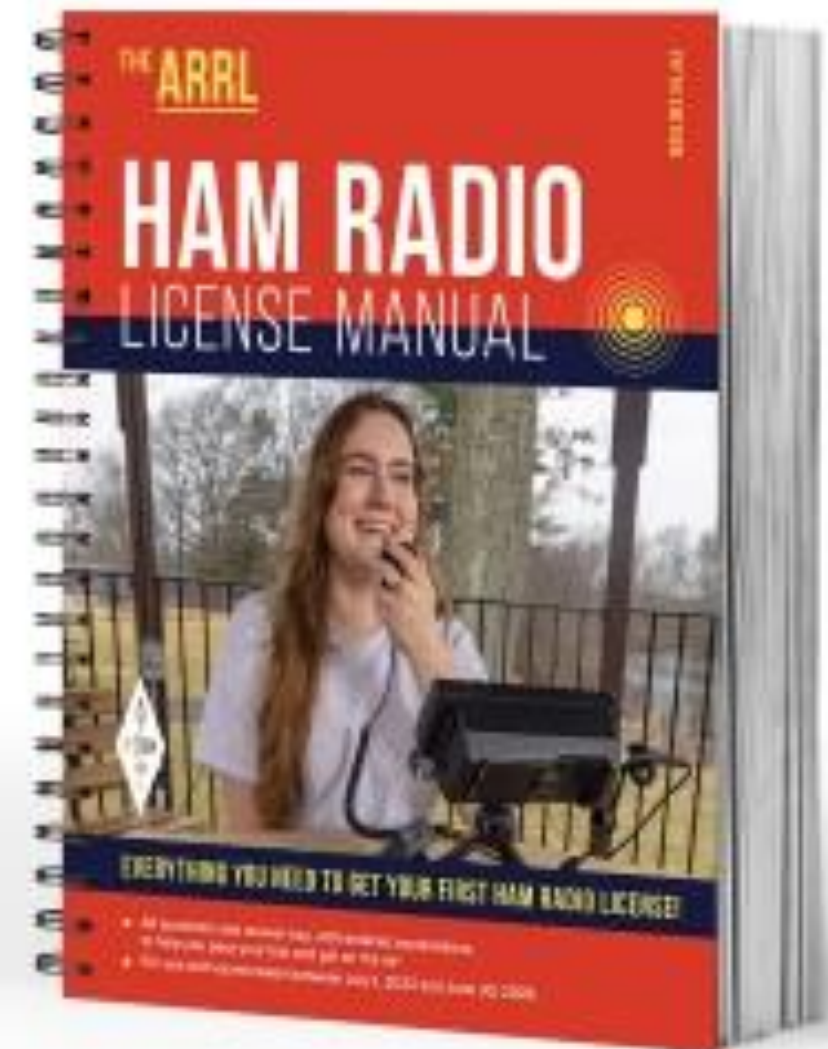




Course Text

The ARRL Ham Radio License Manual,
5th Edition

- Cost about \$25.00





Best Way To Study

- Do Homework Assignment
- When you get to a Test Question reference, look it up and try to answer it.
- Don't worry if you get it wrong.
- We will go over it in class
- Sign-up for an account on www.arrl.org/examreview
 - Great Site to quiz yourself
 - Get better than 80% and you will pass the test!
- www.hamstudy.org



Housekeeping

- W6EK.org Website
 - About Us / Classes/Training / Advancement File Library / Technician
 - <https://www.w6ek.org/aboutsfarc/classesandtraining/filelibrary?eeFolder=advancement/Technician&eeFront=1&eeListID=1&ee=1>
- Class Recordings
 - On OneDrive. Link will be emailed to students
 - Recordings will be kept until next class, Spring 2024

Ham Radio License Course

Discovering the Excitement of Ham Radio



ARRL The national association for
AMATEUR RADIO®

Any Questions?