

# Seminar Schedule

Time	Room 1	Room 2	Room 3
8:00 – 8:55	An Introduction to the digital mode FT8	Loop Antennas	Lightning Protection
9:00 – 9:55	Batteries for Remote Operation	Stealth Antennas	Shack Grounding
10:00 – 10:55	Troubleshooting Interference at Mountaintop Repeater Sites	Section Manager's Workshop	Test Session, Quinton Gleason NU7Y
11:00 – 11:55	HEMP Protection	Emergency Communication Protocols	

**Seminars are in the classroom building west of the swap meet area**



# OVARC Hamfest Seminars

**8:00 – 8:55**

## **An Introduction to the digital mode FT8, Jay Baack N1RWY**

FT8 is an offshoot of JT65 and has become one of the most popular modes on the HF bands. Jay will illustrate how to configure your station to use FT8, operating the software, and on-air etiquette.

## **Loop Antennas, George Cooley NG7A**

This presentation covers how to build full-size and small loop antennas for both transmitting and receiving. George will include information on some high-voltage components and where to get them.

## **Lightning Protection, Tom Fagan K7DF**

Tom describes how lightning is created, its power and how to do to protect your equipment from lightning induced damage.

**9:00 – 9:55**

## **Batteries for Remote Operation, Jay Baack N1RWY**

New battery technologies are better suited for remote operating than lead-acid or Ni-Cd. Jay will provide information on the newer battery types and their applications.

**9:00 – 9:55**

**Stealth Antennas, Carl Foster KB7AZ**

See what kinds of antennas that you can use to get on the air on HF and VHF/UHF using various stealth techniques.

**Shack Grounding, Tom Fagan K7DF**

Understand how to properly ground your station to reduce noise and protect yourself from damage from lightning.

**10:00 – 10:55**

**Troubleshooting Interference at Mountaintop**

**Repeater Sites, Greg Ryan N7GCR**

This seminar exposes people who maintain or work at mountain top sites to some of the possible causes of interference and how to pinpoint problems.

**Section Manager's Workshop, Rick Paquette W7RP**

Meet with your newly-elected Arizona Section Manager, Rick Paquette, W7RAP. He and some of his staff will introduce themselves and provide insight as to what services the ARRL can provide to individuals and clubs.

**10:00 – 12:00**

**Amateur Radio Test Session, Quinton Gleason NU7Y**

Quinton will conduct a two-hour sanctioned test session for Technician, General, and Amateur Extra exams.

**11:00 – 11:55**

**HEMP Protection, Don Cox K6QZL**

Many Amateurs understand the threat posed to equipment and operators from lightning, but less understood is the threat from Electromagnetic Pulse (EMP) due to natural or man-made sources. Dr. Don Cox will present how EMPs are created, the impact to the both the electrical power infrastructure and to a typical Amateur station. He will also demonstrate practical DIY methods (including nondestructive tests) to protect sensitive electronic communications equipment from these threats.

**Emergency Communication Protocols, George James, KD7XP**

George's presentation was well-received by the PCOEM COMM Mobile Team. Take the mystery out of the various forms and understand the correct emergency communication procedures.