



## **2024 LEARN IT, BUILD IT, FIX IT CLASS**

**LEARN: RADIO 101 HOW AN AM TUBE RADIO WORKS**

**BUILD: RESTORE AN “ALL AMERICAN 5” VINTAGE TUBE RADIO**

**FIX: LEARN THE BASICS OF RADIO REPAIR**

**Starting Saturdays mornings in May 2024**

**Bloomfield, NY**

### **3 Saturday sessions of applied THEORY**

- **Electrical Safety**
- **AC & DC waveforms**
- **Passive & active components**
- **Schematic symbols & how to read a schematic**
- **Superheterodyne radio stages - RF, Mixer, IF Amplifier, Detector, Audio, PS**
- **Tools & techniques**
- **Test & measurement equipment**

### **3 Saturday sessions of HANDS ON**

- **Soldering review: How to solder & soldering equipment**
- **In-class repair of your radio with help & guidance**
- **Final alignment of project**

**Cost: \$210 for six classes and a one year, on-line AWA membership. By October the student must purchase and bring to class the tube project, soldering equipment and tools. Sessions will be held on Saturdays 9 am to 1pm at the Antique Wireless Museum, 6925 Route 5, Bloomfield, NY. Questions should be emailed to [EducationCoordinator@AntiqueWireless.org](mailto:EducationCoordinator@AntiqueWireless.org)**