



2024 LEARN IT, BUILD IT, FIX IT BOOT CAMP CLASS

LEARN: VACUUM TUBE AUDIO at RIT Inn & Conference Ctr

BUILD an AMPLIFIER KIT or RESTORE YOUR AMP

FIX YOUR AMP – TEST & EVALUATE

PROJECTED dates Sunday 9/29 – Tuesday 10/1 2024 **Rochester, NY**

THEORY

- **Electrical Safety**
- **Introduction to sound & waveforms: audio amplification & music**
- **Basic electricity & electronics**
- **Multi-channel sound – stereo and beyond**
- **Passive & active circuit elements: active circuit element - the vacuum tube**
- **Vacuum tubes in amplifiers: classes of operation & distortion**
- **Speaker systems types & how they work**
- **Test and measurement equipment**
- **Basic electronics construction tools and techniques**

HANDS ON

- **Soldering equipment and how to solder like a pro**
- **In-class repair of your radio, help & guidance from electronics pros**
- **Final testing and alignment**

Projected Cost: Member Price of \$395 covers all six sessions and includes a guided class tour of the Antique Wireless Museum with transportation to/from Bloomfield. Students are also given a full admission to the AWA Fall Conference (a \$70 value). Student should purchase and bring to class the tube stereo amplifier kit of their choice or an amp to revive, soldering equipment and tools.

Sessions will be held in Henrietta NY at the RIT Inn & Conference Center.

Questions can be emailed to EducationCoordinator@AntiqueWireless.org