

### What we'll cover tonight:

History of the Technician License Privileges on the various bands Modes

**Activities** 

Resources for the Technician License holder and those interested in earning their license

# A bit of history on the Technician license

- Currently the entry-level license for amateur radio. (Two other licenses issued are General and Amateur Extra)
- Hasn't always been entry level. There were other classes of licenses (e.g., Novice). Intent of Tech license was to experiment with UHF after WWII and not interfere with
- 1951 major overhaul of Licenses and privileges.
- 1991 Morse code aspect of test was dropped.

As of 2018: License breakdown (total 755,430 licensees)

**Technician = 384,135 (51%)**, General = 175,949 (23%) AE = 147,369 (19%)

# Technician class private and the state of th

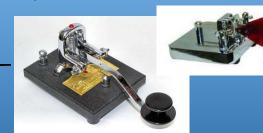
# VHF & UHF modes and frequencies permitted to Technician licensees

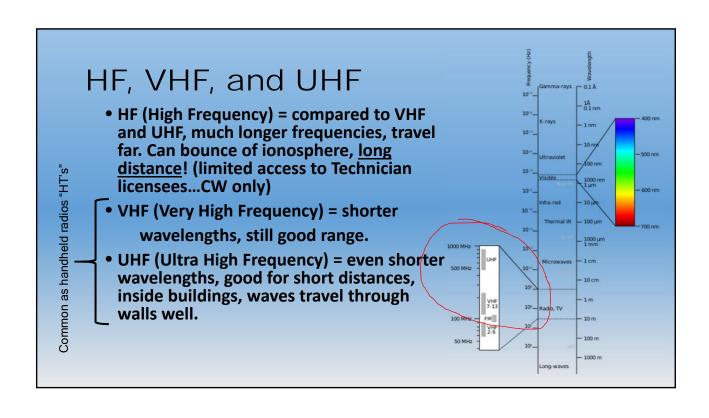
- 23cm RTTY, data, phone, image from 1240 MHz to 1300 MHz (shared with all other license types)
- **33cm** RTTY, data, phone, image from 902.0 MHz to 928.0 MHZ (shared with all other license types)
- 70cm RTTY, data, phone, image from 420.0 MHz to 450.0 MHz (shared with all other license types)

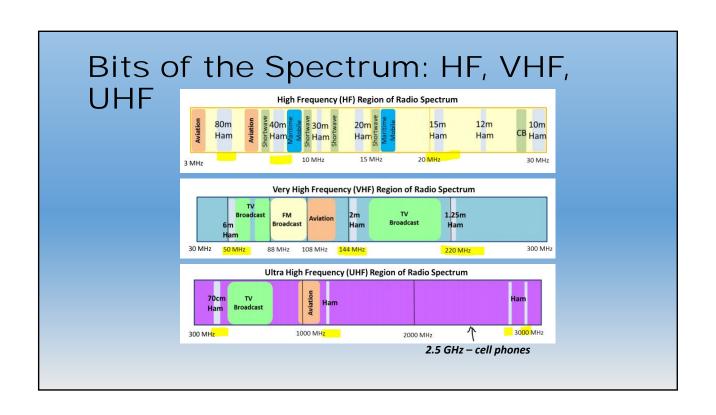
  Very commonly used
- 1.25m RTTY, data, phone, image from 222.000 MHz to 225.000 MHz (shared with all other license types)
- 2m CW 144.000 MHz to 144.100 MHz; RTTY, data, phone, image from 144.100 MHz to 148.000 MHz (shared with all other license types) Very commonly used

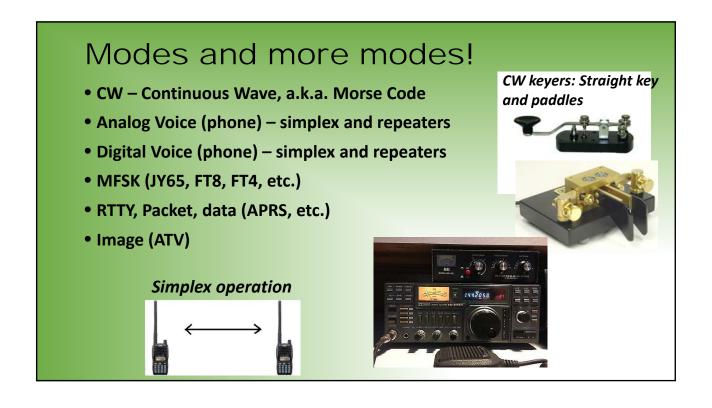
# 6m & HF modes and frequencies permitted to Technician license holders

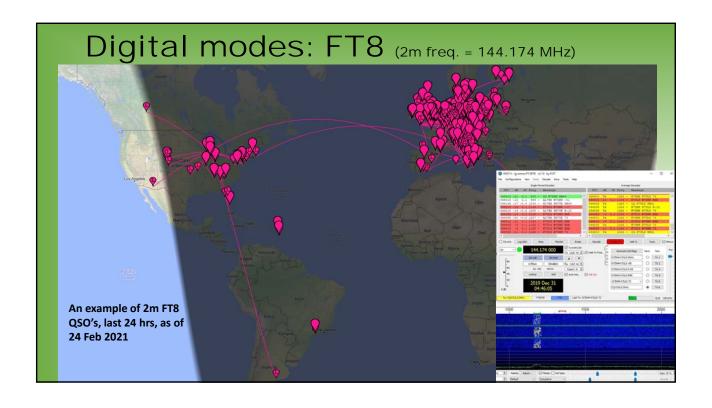
- **6m** CW 50.000 MHz to 50.100 MHz; RTTY, data, phone, image from 50.100 MHz to 54.000 MHz (shared with all other license types)
- 10m RTTY and data, 28.000 MHz to 28.300 Mhz; also SSB phone 28.300 MHz to 28.500 MHz
- 15m CW only, 21.025 MHz to 21.200 MHz
- 40m CW only, 7.025 MHz to 7.125 MHz
- 80m CW only, 3.525 MHz to 3.600 MHz

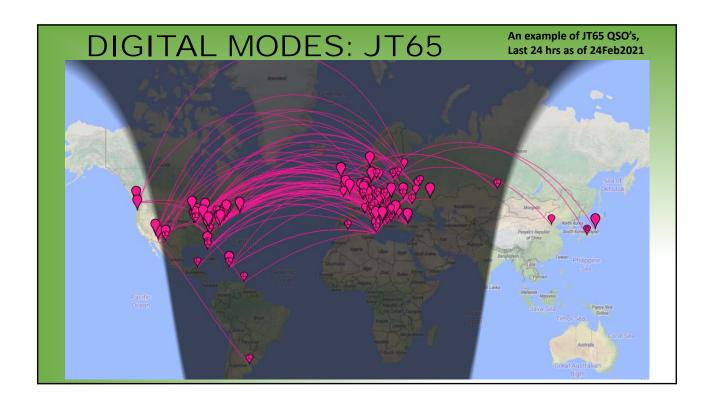


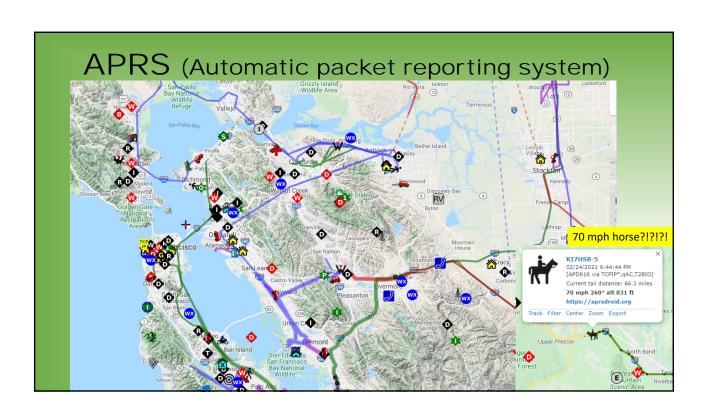






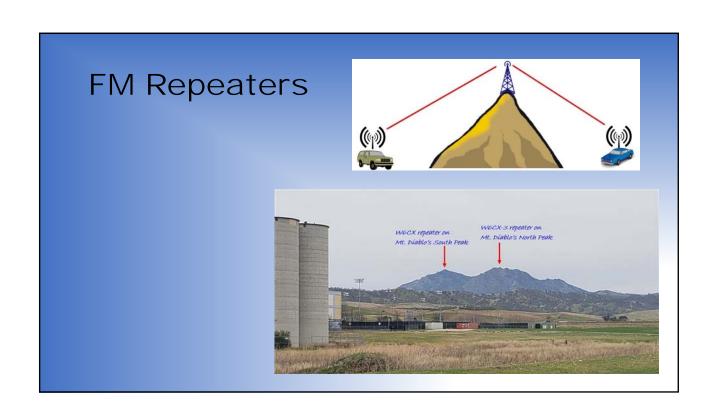


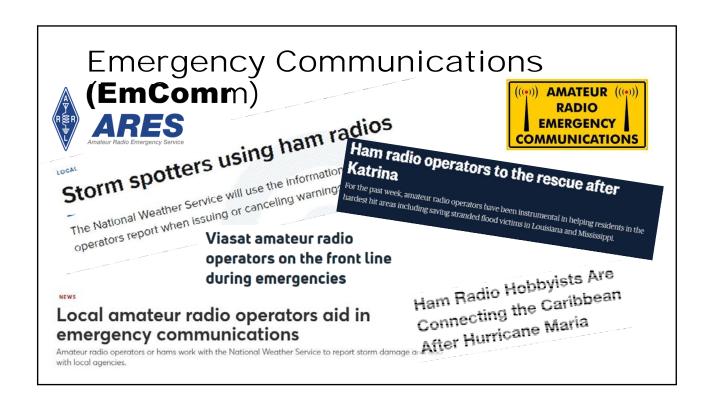




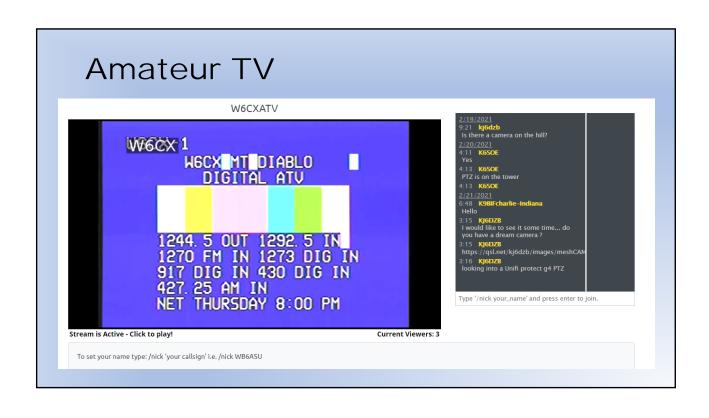
### Activities!

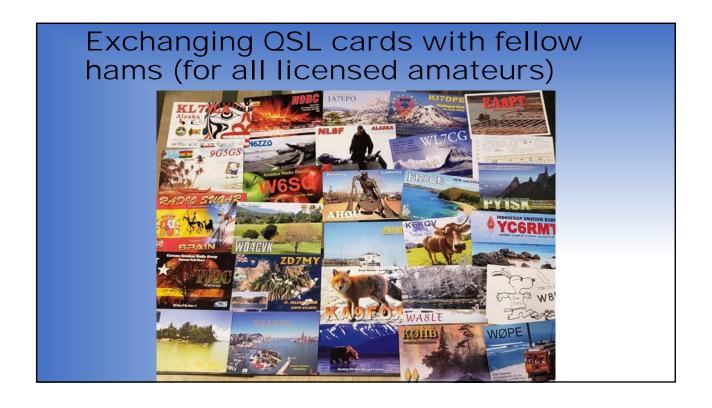
- Rag chewing (talkin' with the pals)
- Checking into weekly or daily nets
- Emergency Communications
- Community Service
- Contesting
- Amateur TV (ATV)
- QRP (low power) current record is Oregon to Alaska on 1 microwatt!
- IOTA, SOTA, etc. Islands on the Air, Summits on the Air, etc.
- Exchanging QSL Cards to confirm radio contacts
- Satellites
- Earth-Moon-Earth, a.k.a. "moon bounce"
- Meteor Scatter
- I'm sure I've forgotten others! What did I miss?

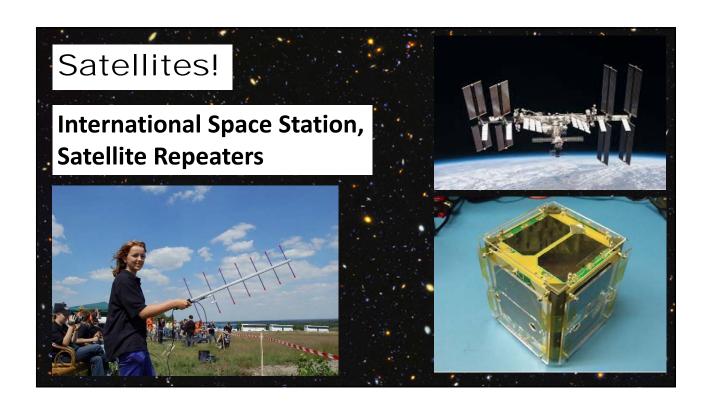


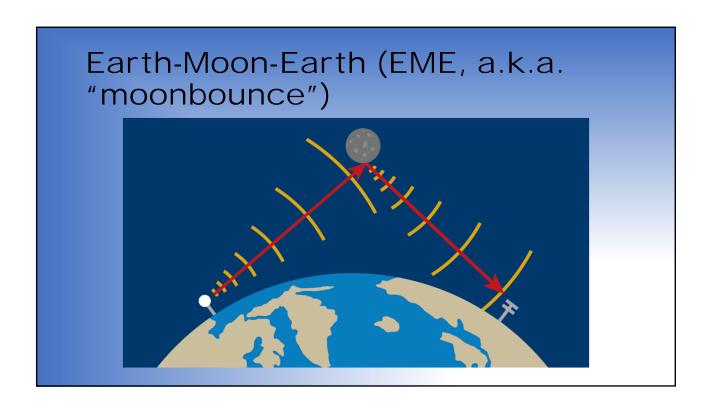


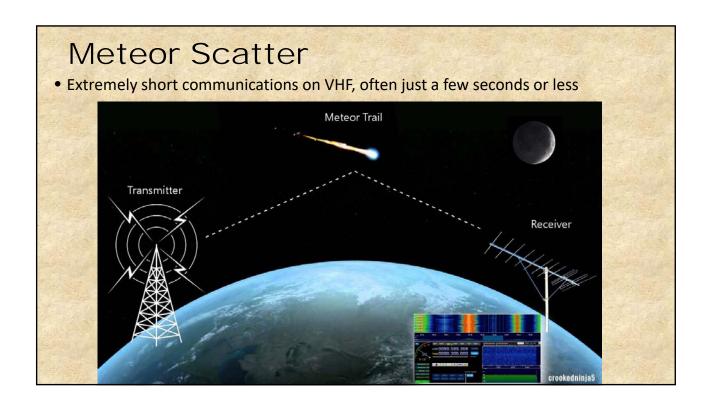












## Resources, Links

- American Radio Relay League: <a href="http://www.arrl.org/">http://www.arrl.org/</a>
- Prep for tests (note MANY resources online, e-Books, etc.) https://hamexam.org/
- Online remote license testing (during pandemic) https://kl7aa.org/vec/remote-testing/
- Frequency Bands Chart <a href="http://www.arrl.org/graphical-frequency-allocations">http://www.arrl.org/graphical-frequency-allocations</a>
- Intro to working Amateur Radio Satellites: <a href="https://www.amsat.org/introduction-to-working-amateur-satellites/">https://www.amsat.org/introduction-to-working-amateur-satellites/</a>
- International Space Station Contacts: <a href="https://www.ariss.org/contact-the-iss.html">https://www.ariss.org/contact-the-iss.html</a>
- Amateur radio satellites: https://amsat-uk.org/satellites/hamtv-on-the-iss/
- Meteor Scatter procedure <a href="http://www.astrosurf.com/luxorion/qsl-meteor-scatter.htm">http://www.astrosurf.com/luxorion/qsl-meteor-scatter.htm</a>
- Packet radio, an example of one type: APRS <a href="http://www.aprs.org/">http://www.aprs.org/</a>
- History of License changes <a href="https://ema.arrl.org/a-history-of-amateur-radio-license-changes/">https://ema.arrl.org/a-history-of-amateur-radio-license-changes/</a>

