



Meeting Agenda

- Latest Activities
- Upcoming Events
- Leadership Updates
- Communication Mode Basics

Meeting is officially over

Walk to McDonald's



Membership Dues

\$27.00 Voting Licensed

(\$25 Cash / Check)

https://tx.ag/joinw5ac





Baofeng Party



Belton Hamfest





Upcoming Events

Tape Measure Yagi Build Event

- Saturday, October 19th, 2:30-6:30 PM

School Club Roundup

- Monday, October 21st - Friday, October 25th

Shack Study Sessions

- Thursday, October 17th, 1:30-4:30 PM

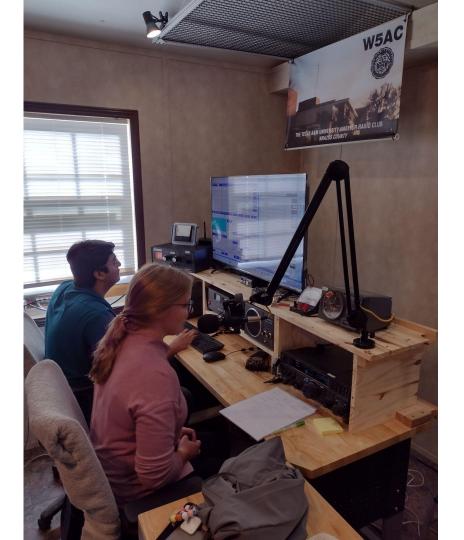
Looking ahead to November:

- iEMSL Lab Open House Friday, November 1st
- November Meeting Thursday, November 14th



Tape Measure Yagi Antenna Building Workshop (Oct. 19th)

- \$28 to cover materials
- Sign Ups close Wednesday,
 October 16th
- Form in Discord coming soon!



School Club Roundup!

- If you are new to ham radio or HF, please reach out!
- Signup link:



Join the Calendar

tinyurl.com/calendarw5ac

6 • 12am Insomniac Ne • 2pm Digitally Speak	7 • 12am Insomniac Ne • 8pm W5AC Weekly	8 • 12am Insomniac Ne • 8pm W5BCS Weekly	9 • 12am Insomniac Ne • 8pm TUARC Weekly	10 ■ 12am Insomniac Ne ■ 6pm License Exam ■ 7pm October Gener	11 • 12am Insomniac Ne	12 • 12am Insomniac Ne
13 • 12am Insomniac Ne • 2pm Digitally Speak	14 • 12am Insomniac Ne • 8pm W5AC Weekly	15 • 12am Insomniac Ne • 8pm W5BCS Weekly	16 • 12am Insomniac Ne • 8pm TUARC Weekly	17 ■ 12am Insomniac Ne	18 • 12am Insomniac Ne	19 • 12am Insomniac Ne
20 • 12am Insomniac Ne • 2pm Digitally Speak	21 School Club Roundup 12am Insomniac Ne 8pm W5AC Weekly	22 12am Insomniac Ne 8pm W5BCS Weekly	23 12am Insomniac Ne 8pm TUARC Weekly	24 12am Insomniac Ne	25 12am Insomniac Ne	26 • 12am Insomniac Ne



Secretary's Report - Braxton N5REV

Meeting minutes from June Special Election



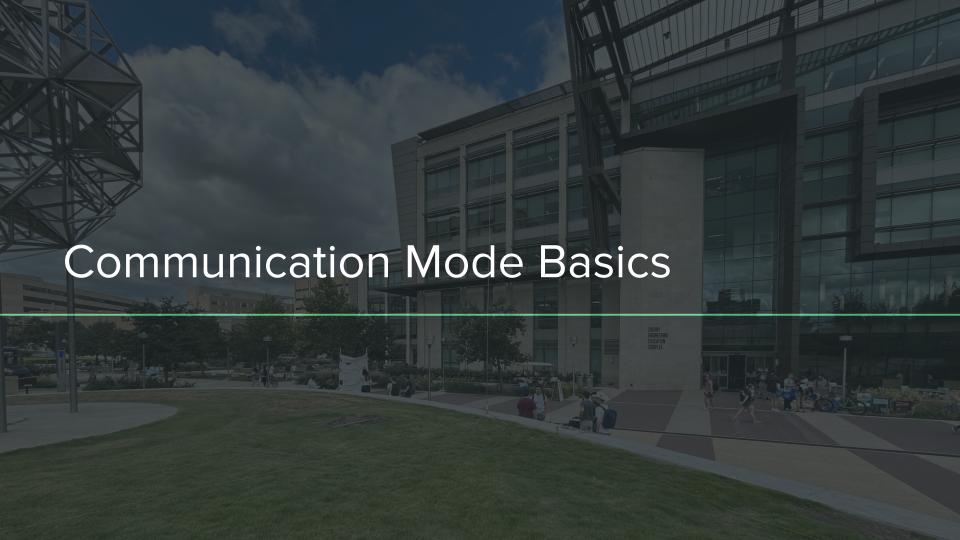
Treasurer's Report - Elliott N5ESX

- As of 10/10/2024
 - General (00000) \$211.35
 - Marketplace (30000) \$390.88
 - o Foundation (99999) \$1346.74

Repeater Administrator's Report- Ian AE5ID

Historian's Report - Dave W5QZ





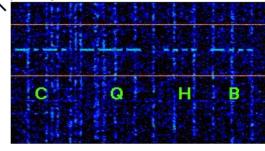
CW (Morse Code)

Continuous/Carrier/Constant Wave

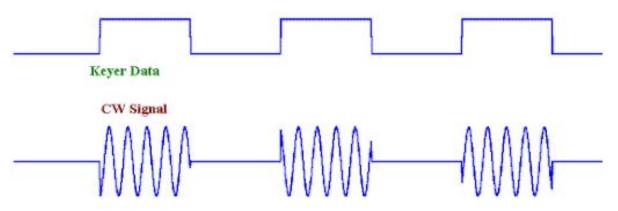
Advantages

- Simple equipment
- Minimal power needed

Frequency



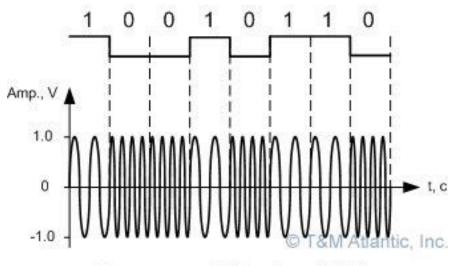




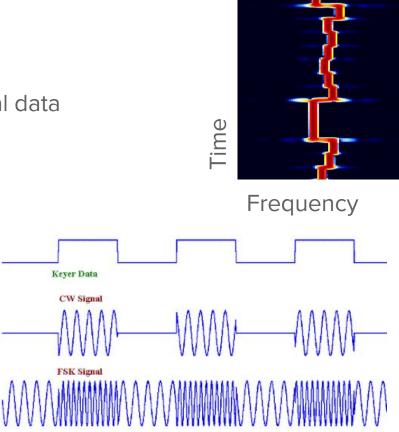
FT-8:

FSK

- Frequency Shift Keying
- Slightly shifts frequency to transmit digital data



Frequency shift keying (FSK)



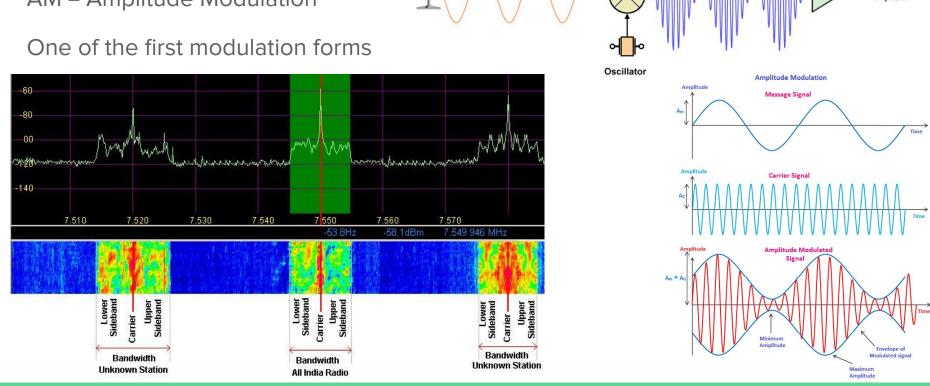
Amplifier

AM output signal

(radio frquency)

AM

AM = Amplitude Modulation



Microphone

(transducer)

Input signal

(audio frequency)

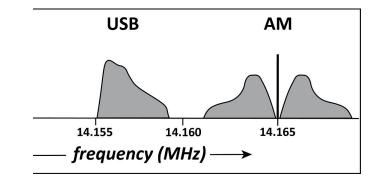
SSB

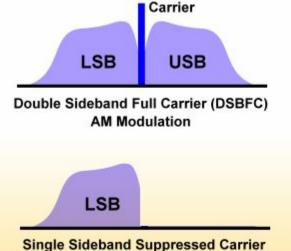
SSB = Single Side Band

- USB = Upper Side Band
- LSB = Lower Side Banc

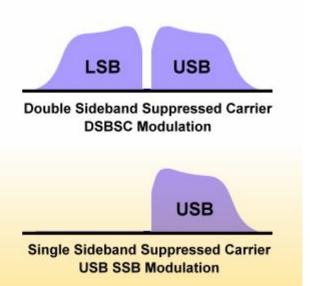
Advantages:

- More efficient
- Don't transmit carrier





LSB SSB Modulation



FM

Instantaneous Frequency Modulation

Many UHF/VHF radios use FM

1 method: Feed input signal into voltage controlled oscillator

