

# Introduction to Ham Radio

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2024 Duke City Hamfest  
September 21, 2024



# Who is MaryAnn Cornett (NS7X)?

Insert your bio here

# Who is Paul Bouthillier - KBØWMA?

- ▶ First licensed as a Technician in May 1996 in Denver Colorado
- ▶ Moved to Albuquerque, New Mexico in 2001
- ▶ Upgraded to General in November 2023
- ▶ Upgraded to Amateur Extra in April 2024
  
- ▶ Ham Interests:
  - ▶ HF through 440Mhz – Both Analog and Digital modes
  - ▶ Own and operate a 24/7 [YSF Reflector](#)
    - ▶ YSF Reflector ID: [US-NM505-KBØWMA](#)
  - ▶ D-STAR, DMR, YSF, FT8, Wires-X, AllStarLink and EchoLink (openSPOT, Raspberry Pi Hotspots, etc).
  
- ▶ Volunteering Interests:
  - ▶ [Bernalillo County ARES](#) (BCARES) – Volunteer Member
  - ▶ [LARC](#) and [ARRL](#) – Volunteer Examiner
  - ▶ [Run for the Zoo](#) – Radio Communications Co-Chair

# Agenda

- ▶ I Got My License...Now What?
- ▶ Personal Communication Interests
- ▶ Radio & Repeater Etiquette
  - ▶ Phonetics & Q-Codes
- ▶ Local Radio Clubs
- ▶ Q&A

# I Got My License...Now What?

## ➤ Public Service

- Search and Rescue
- Storm Spotting (SKYWARN)
- Emergency Communications (ARES, RACES, NMSARS, EMCOMM)

## ➤ Volunteer Services

- Volunteer Examiner (Testing) (General, Advanced, Extra only)
- Run for the Zoo Event
- Santa Fe Century Bike Event
- Duke City Marathon
- Tour of the Rio Grande

## ➤ General Communications

- Talk to other ham's over voice or CW (Morse Code)
- Fox Hunting
- Traffic Handling

## ➤ Contesting (Radosport)

- Make Local CQ or DX contacts over voice or CW per contesting rules and receive awards

## ➤ Digital and Computer Networking

- Create your own ham radio network

## ➤ Technical Experimentation

- Build and test out new ham radio equipment and antenna's

# What are your personal interests in ham radio operations?

Analog: VHF, UHF, HF

Digital: CW, D-STAR, DMR, System Fusion, Allstar

Voice Modes or Data Modes



**SHOW of HANDS**

# Radio & Repeater Etiquette

## ✓ Do's

- Listen on the frequency before transmitting
- Identify your station every 10 minutes with your callsign and also at the end of your transmission
- Use standard phonetics (Alpha, Bravo, Charlie...etc.)
- Q-codes are permitted (QSL, QSO, QST, QTH, QRZ...etc.)
- Use "This Is", "Roger", "Copy", "Over", "Go Ahead", "Out", "Clear"
- Use "Break" or your callsign to join a conversation
- For emergencies use "Emergency Emergency Emergency" (non-life-threatening) or "Mayday Mayday Mayday" (life-threatening) and on CW use "SOS SOS SOS"

## ✓ Don'ts

- Never use 10 codes (10-4)
- Don't say "for ID" or "on the side"
- No swearing, cursing or overly suggestive language
- Highly discouraged to call out "CQ" on a repeater
- "Ker-chunking" a repeater is frowned upon
- No unidentified transmissions allowed (It is illegal)

# Phonetics

## Phonetic Alphabet

<b>A</b> lpha	<b>J</b> uliet	<b>S</b> ierra
<b>B</b> ravo	<b>K</b> ilo	<b>T</b> ango
<b>C</b> harlie	<b>L</b> ima	<b>U</b> niform
<b>D</b> elta	<b>M</b> ike	<b>V</b> ictor
<b>E</b> cho	<b>N</b> ovember	<b>W</b> hiskey
<b>F</b> oxtrot	<b>O</b> scar	<b>X</b> ray
<b>G</b> olf	<b>P</b> apa	<b>Y</b> ankee
<b>H</b> otel	<b>Q</b> uebec	<b>Z</b> ulu
<b>I</b> ndia	<b>R</b> omeo	



# Q-Codes

## Q CODES

**QRL**

Is the frequency busy? The frequency is busy. Please do not interfere.

**QRM**

Abbreviation for interference from other signals.

**QRN**

Abbreviation for interference from natural or man-made static.

**QRO**

Shall I increase power? Increase power.

**QRP**

Shall I decrease power? Decrease power.

**QRQ**

Shall I send faster? Send faster (WPM).

**QRS**

Shall I send more slowly? Send more slowly (\_WPM).

**QRT**

Shall I stop sending? Stop sending.

**QRU**

Have you anything more for me? I have nothing more for you.

**QRV**

Are you ready? I am ready.

**QRX**

Standby.

**QRZ**

Who is calling me?

**QSB**

Abbreviation for signal fading.

**QSL**

Received and understood.

**QSO**

Abbreviation for a contact.

**QST**

General call preceding a message addressed to all amateurs.

**QSX**

I'm listening on \_\_\_ kHz.

**QSY**

Change to transmission on another frequency (or to \_\_\_ kHz).

**QTH**

What is your location? My location is \_\_\_.

# Local Amateur Radio Clubs

- ❖ New Mexico (Local)
  - [Caravan Club](#)
  - [Upper Rio FM Society](#)
  - [High Desert Amateur Radio Club](#)
  - [Bosque Amateur Radio Club](#)
  
- ❖ New Mexico (Emergency)
  - [Bernalillo County ARES](#)
  - [Sandoval County ARES](#)
  - [Tri-County ARES](#)
  
- ❖ National
  - [ARRL \(The American Radio Relay League\)](#)



# Contact Information

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