



PATOKA VALLEY

MATEUR RADIO CLUB



The PVARC meeting will  
begin at 6:30 PM



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MATEUR RADIO CLUB



# A Virtual Tour of *KA9GDW's* Station

# Mike Vogler's Biography



- Interest in communications began early in life
- Curiosity in early BW TV, CB, antennas, how did they work?
- Visited the State Police Post in Jasper & met the radio operators (all hams) Haas, Merichlees, Nolan, later Dave Nugent – KD9LX

**1979 – 1980, Al Miller, Frank Craig, Van Pittman, John Butler and many others fed my amateur radio curiosity**

# Mike Vogler's Biography



- Acquired novice license in 1980 as KA9GDW
- 1'st QSO's were Morse Code
- Upgraded to technician in 2008 (KC9OFN)

**Bought Yaesu FT-170 HT and FT-1802 mobile and base station fed into a discone antenna at 50 feet. Was able to communicate on the 147.195 MHz Jasper net.**

# Mike Vogler's Biography

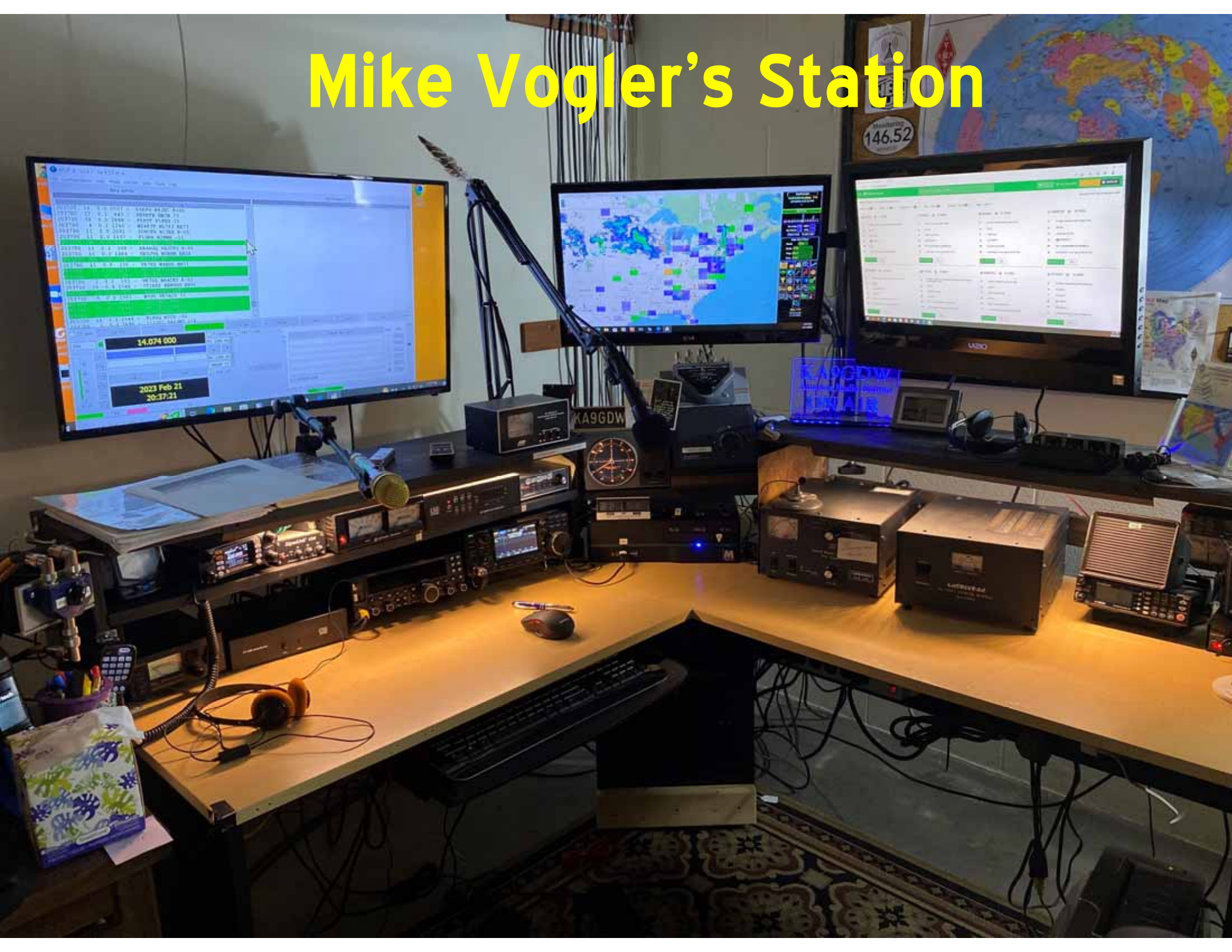


- Became a General at Paoli in 2016
- Formed the Patoka Valley Amateur Radio Club in 2015
- Became an Extra in 2017

**National Parks On-the-Air really got me enthusiastic and active. WAS, Route 66, state QP, 13 Colonies, SES, 100 DX countries!!!**



# Mike Vogler's Station



# Mike Vogler's Equipment

## LEFT TO RIGHT (PHOTO):

- MFJ 2/70 antenna switch
- FTM 300 digital 2/70
- Jet stream 2/70 SWR meter
- Signalink digital mode (not active)
- Astron SS-25M PS
- LDG AT-600 Pro auto tuner
- Ameritron RCS-8V remote antenna switch

## LOWER SHELF:

- MFJ 30a, PS (backup)
- LDG YT-450 auto tuner
- Yaesu ft 450DHF,
- Icom 7300
- Heil GM-5 boom mike
- Heil ICMBG boom mike
- MFJ SWR/Watt meter
- Koss Headphone

# Mike Vogler's Equipment

## CENTER OF DESK TOP

- Yaesu G-450A rotor control (hex beam)
- Channel Master rotor control (2/70 beam and TV antenna.
- Alpha Delta-4 antenna switch (HF radios)
- MFJ- UTCX clock and plugged in behind is a battery backup PS connected to VHF/UHF system.

## RIGHT SIDE

- Ameritron ALS-600 amplifier, ALS – PS (120 Volts)



**G5RV 6-80, MFJ 1846    Hex beam 6-20    OCF dipole 6-80    MFJ – 2/70 Beam  
(Discone all mode wide band used as a 2/70 backup, Scanner antenna)**



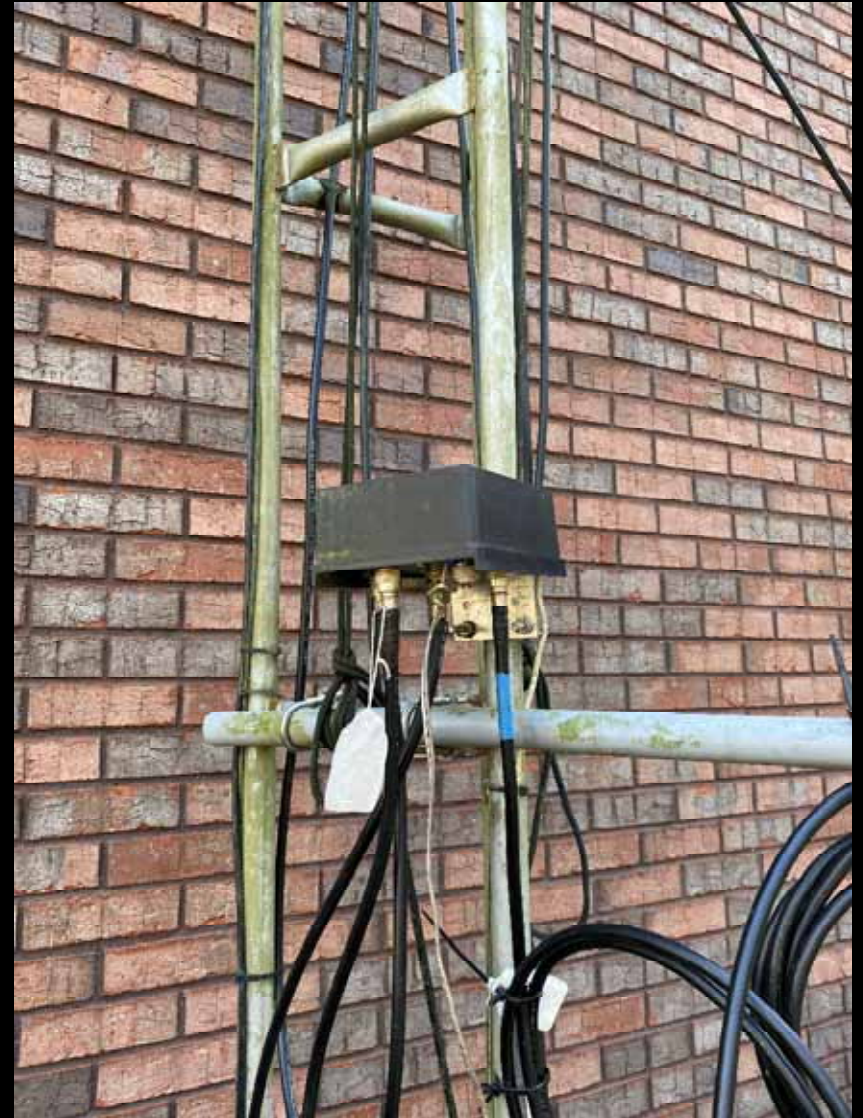
**Mike Vogler's Antennas**



# Mike Vogler's Antennas



**Antenna Grounding**



**Remote Antenna Switch**



# Amateur Radio Bands

## US Amateur Radio Bands

**US AMATEUR POWER LIMITS — FCC 97.313** An amateur station must use the minimum transmitter power necessary to carry out the desired communications. (b) No station may transmit with a transmitter power exceeding 1.5 kW PEP.

Amateurs wishing to operate on either 2,200 or 630 meters must first register with the Utilities Technology Council online at <https://utc.org/plc-database-amateur-notification-process/>. You need only register once for each band.

The national association for  
**ARRL AMATEUR RADIO®**

**KEY**

- = RTTY and data
- = phone and image
- = CW *only*
- = SSB phone
- = USB phone, CW, RTTY, and data
- = Fixed digital message forwarding systems only

E = Amateur Extra  
A = Advanced  
G = General  
T = Technician  
N = Novice

See *ARRLWeb* at [www.arrl.org](http://www.arrl.org) for detailed band plans.

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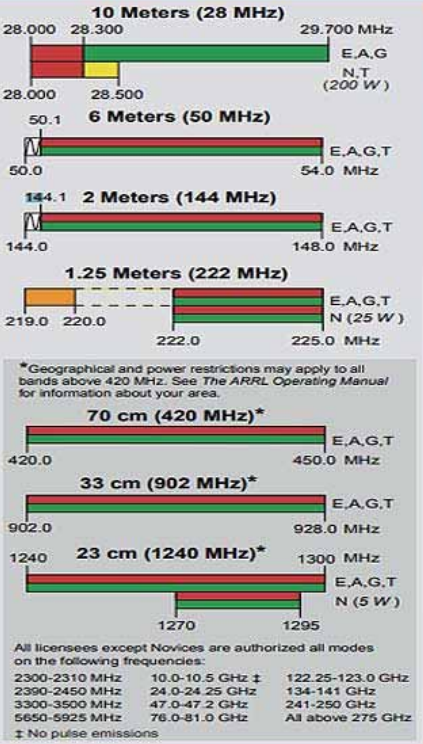
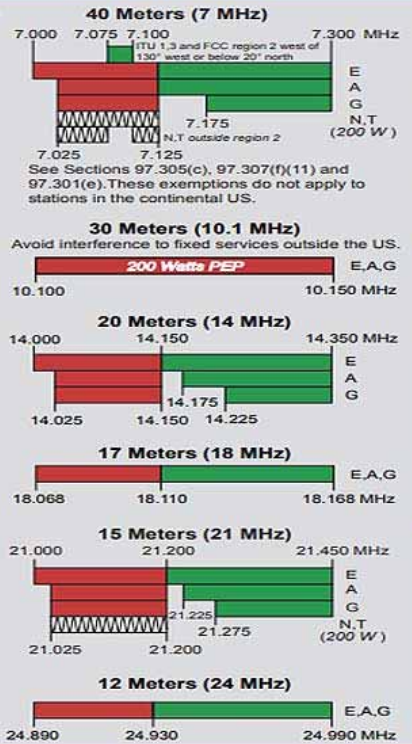
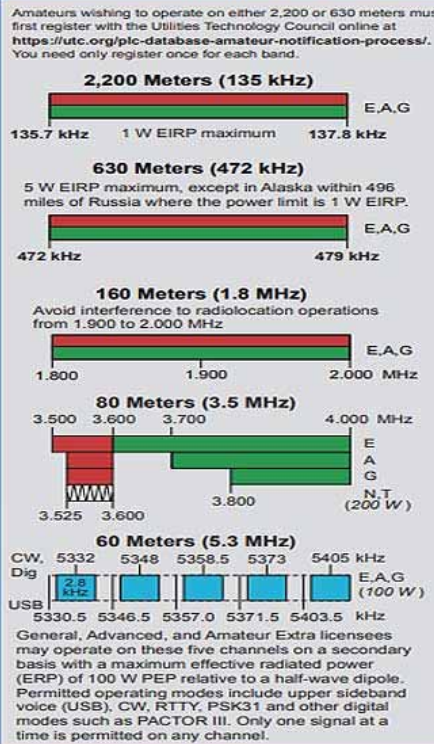
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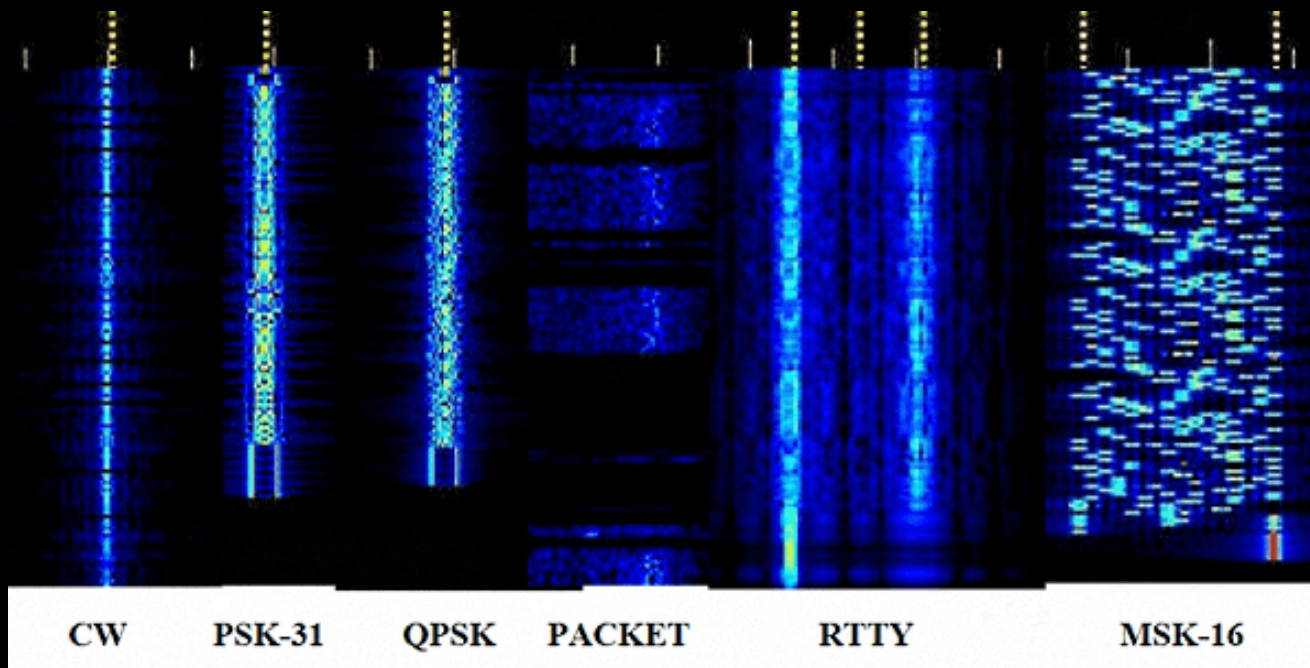
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I typically use 20, 40 meters. However, I use whatever bands to achieve my objectives.

# Modes of Operation



**Mike normally uses SSB and FT 8 and is now experimenting with SSTV and RTTY.**



# **What Mike Vogler Enjoys Most with Amateur Radio**

- **Contests**
- **Special Event Stations**
- **Route 66 and 13 Colonies**
- **I will try to get all the Lewis and Clark trail SES this year**
- **NASA ham stations**

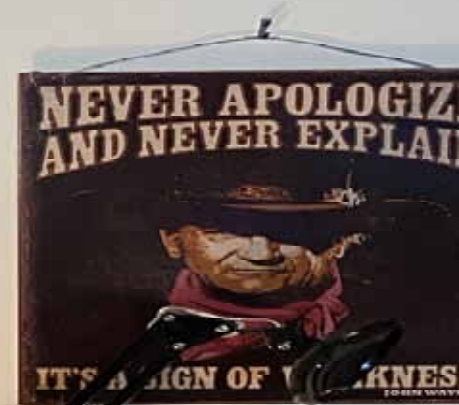
# Mike Vogler's Accomplishments

- Starting PVARC in 2015. Thanks to all of you!
- 13 Colonies sweep twice
- Route 66 sweep
- Worked All States ARRL and POTA
- POTA activation's, Indiana and Florida
- QSO'S on AO-92 satellite and ISS repeater.

# Mike Vogler's Achievements



# Mike Vogler's Achievements





# Mike Vogler's Achievements





# Mike Vogler's Achievements



**Thank You**