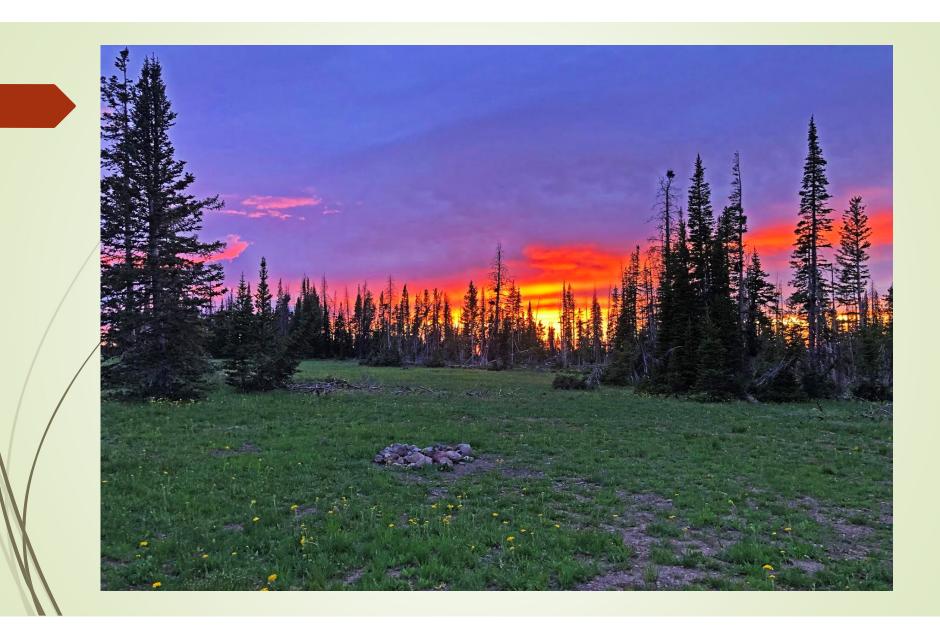
My Favorite Antennas for Portable Operations

Jed W. Petrovich, AD7KG

Jed W. Petrovich, AD7KG

- First Licensed October 2005
- General and Amateur Extra Class Licenses October 2006
- DXCC (mixed, phone, CW, digital)
- 5 Band DXCC, 12m, 17m and 30m Endorsements
- WAZ Award
- Over 300 DXCC Entities Confirmed
- Past UDXA President, Vice President
- DX University Faculty
- Profession: Data Analyst





My Criteria for Portable Antennas

- Simple setup
- No additional assistance
- Limited, if any, extra equipment
- Self-supporting (no trees)
- Can be QRP
- Very portable (SOTA, etc.)
- Could be QRO
- Larger antennas (Field Day, 7QP, etc.)

End-Fed, Half Wave (EFHW)

- MyAntennas EFHW-8010
 - 130 Feet (39.6m) long
 - NO TUNER needed!
 - Perfect for extended operating like Field Day...
 - Resonant on 80/40/30/20/17/15/12/10m
 - 1kW-ICAS max. (Intermittent Commercial and Amateur Service)
 - Could also be set up as a station antenna
- Homebrew EFHW QRP
 - ARRL kit
 - 49:1 Transformer





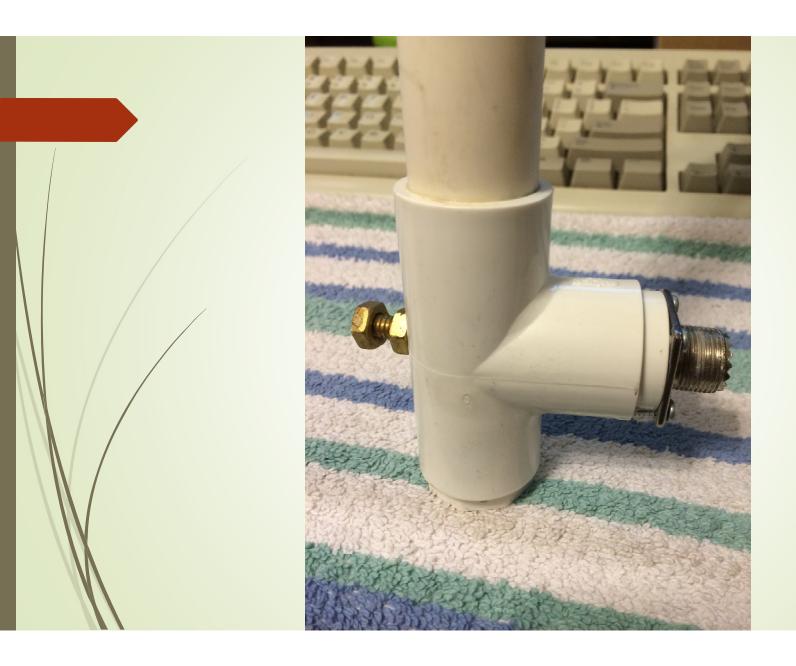




Buddistick/Buddipole

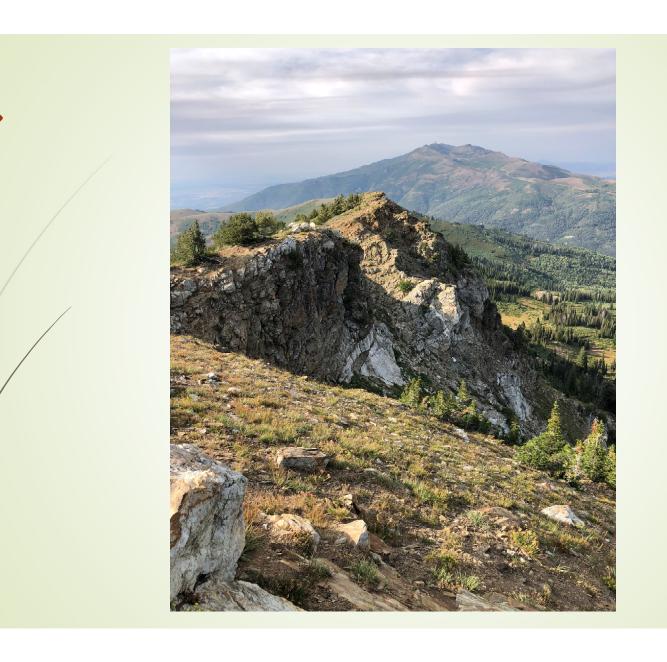
- Homebrew Buddistick
 - 10m to 40m
 - https://k5unx.wordpress.com/2013/02/24/homebrew-buddistick-part-1/
 - https://k5unx.wordpress.com/2013/04/23/homebrew-buddistick-project-part-2/
- Commercial Buddipole
- Commercial Buddistick
 - Adapted from Buddipole
 - Added a few items (elevated radial, etc)
- BuddiHEX™
 - Used a similar "Hex" for 7QP
 - First Place Multi-Multi County Line Expedition 2018





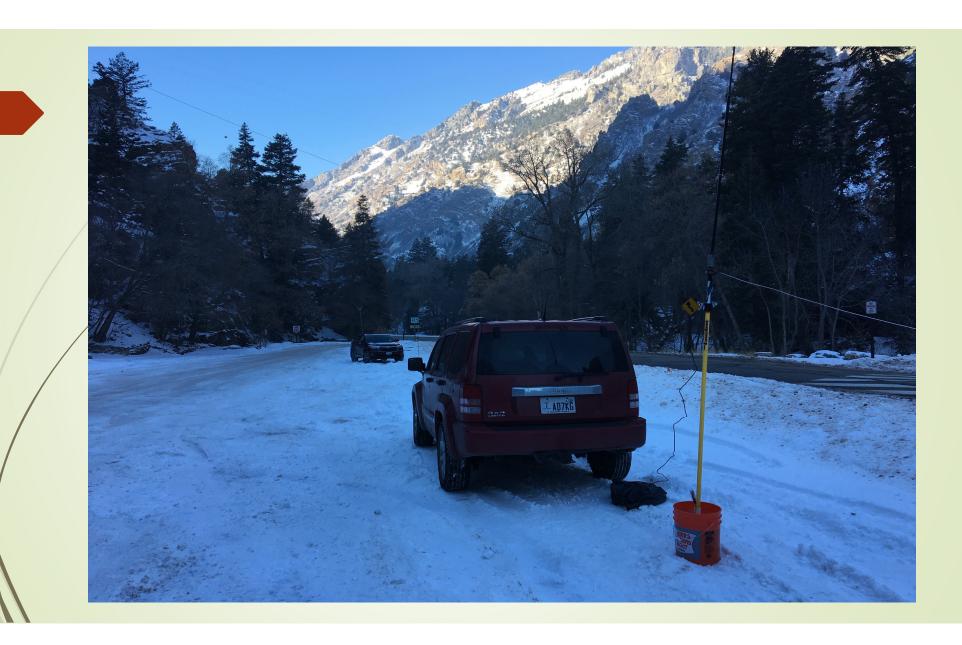














Homebrew Vertical

- Fiberglass Mast
- 8 Sections; 0.125 (1/8) inch wall; 28.5 feet
- Single Elevated Radial
- 10m to 40m











Performance – Do They Really Work?

- Summits on the Air (SOTA)
- National Parks On The Air (NPOTA)
 - 950 SSB QSOs 8 hours on the air
- 7QP 2018 K7UM
 - ► First Place 7th Area County-Line Expedition Multi-Multi
 - Total Points: 458,110
 - 1,410 CW QSOs; 1,650 SSB QSOs: 61 Multipliers
- 7QP 2017 AD7KG
 - ▶ First Place 7th Area County-Line Expedition Single-Op
 - Total Points: 88,828
 - 340 CW QSOs; 328 SSB QSOs; 53 Multipliers

Sources

- **■** EFHW
 - Google search "End-fed Half-wave" antenna
 - EFHW Facebook group
- My Antennas: https://www.myantennas.com
- SOTABeams
 - UK: https://www.sotabeams.co.uk
 - USA: https://www.dxengineering.com
- Buddipole antennas: https://www.buddipole.com
- Max Gain Systems: https://mgs4u.com

Questions/Comments?

