

# QRP Operating

SARA January 20, 2022



Living the QRP  
Lifestyle!

The QRP Q signal was created to mean "Shall I reduce power?" but has since been adopted by the enthusiasts of low-power operation as their banner. QRP has come to mean 5 W or less output for CW, or 10 W PEP output or less for SSB. Most amateur organizations and contests embrace these as the official QRP limits.

# QRP Power Levels vs S-Units

1 S-unit = a 6db change in signal strength

6db is a 4x power change

1000 Watts - S9 reading

250 Watts – S8 reading

62.5 Watts – S7 reading

15.6 Watts – S6 reading

4 Watts – S5 reading

1 Watt – S4 reading

S5 – Fairly Good Signal

S4 – Fair Signal





























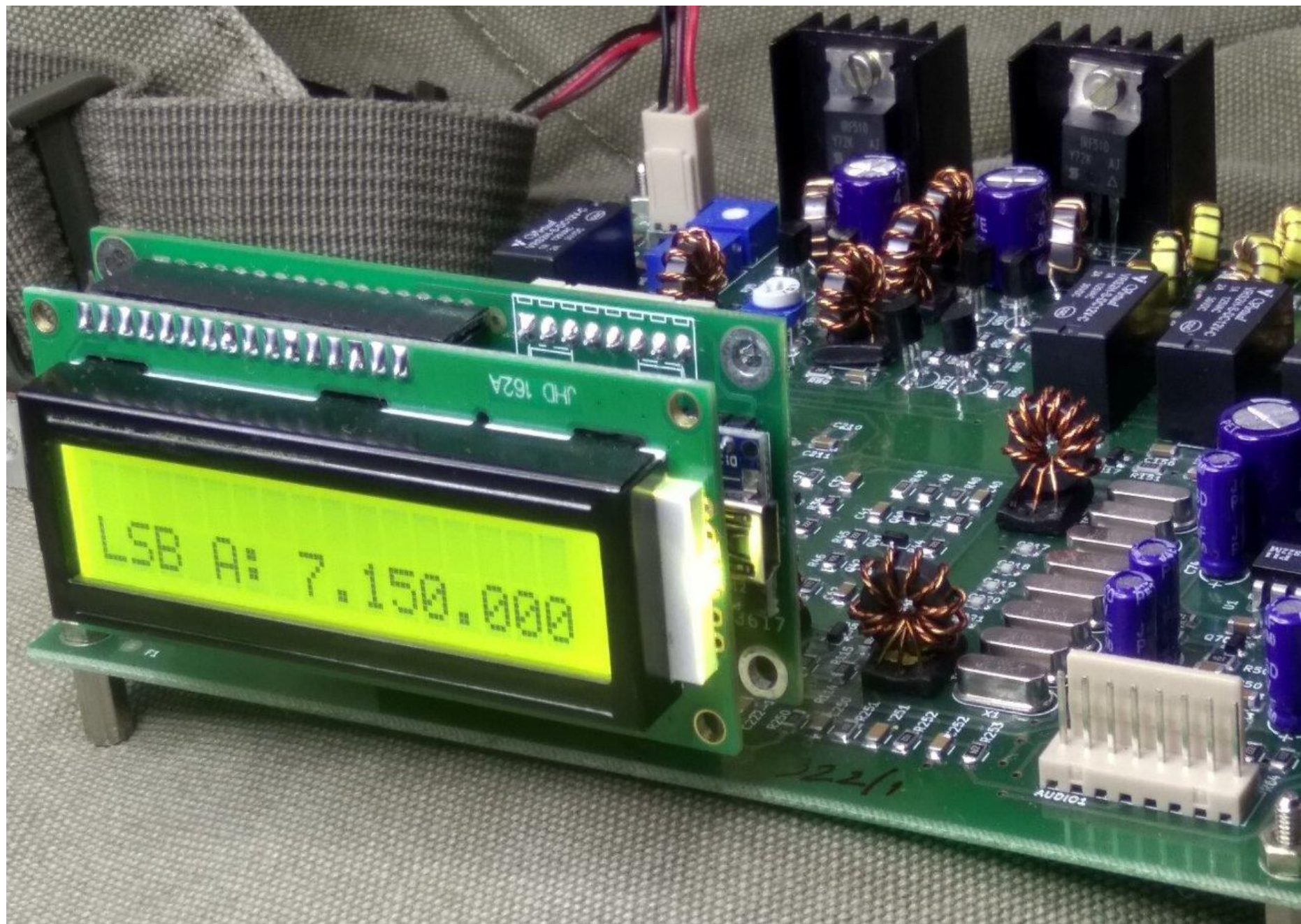




















# QRP Antennas

Just like any antenna – the bigger / higher – the better

QRP from home? Use you home antenna

Portable? Use the best antenna you can pack

Hiking / Mountain Climbing? What do you want to  
carry?





QRP Amateur Radio Club International<sup>(sm)</sup>

# QRP - All States

Achievement Certificate

Presented to

**Randal R. Schulze, KD0HKD**

This is to certify that on the date of **January 27, 2010** submission was made of successful two way communications with **20** of the United States of America while running a power output of **5** watts, **Mixed Band, All FM, Satellite**

This certificate is presented in recognition of this meritorious achievement

Award Number

**20**

*Jay Bromley W5JAY*  
Award Manager QRPARI<sup>(sm)</sup>



## Ohio County Award

Basic award is issued for contacting 22 of the 88 counties, one of which must be Montgomery County. Endorsements for 44, 66 and all 88. All bands and modes OK, except no use of repeaters or digipeaters. Cards must be in your possession and available on request. Award is FREE, send 9"x12" SASE with GCR list to: Ohio County Award, Dayton Amateur Radio Association, PO Box 44, Dayton, Ohio. 45401-0044.



QRP Amateur Radio Club International®

# QRP All Continents Award

Achievement Certificate

Presented to

Jenny Östlund, SM5MEK

This is to certify that on the date of **November 22<sup>nd</sup>, 2013** submission was made of successful two way communications with **all continents** while running a power output of 5 watts.

This certificate is presented in recognition of this meritorious achievement

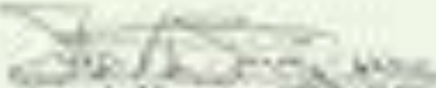
Award Number

11

Wired Modes

Mixed Bands



  
Awards Manager QRP-URCI®



QRP Amateur Radio Club International<sup>SM</sup>

# 1000 Miles Per Watt Award

Be It Known That  
**Jennifer Kruh, KB1TSU**

Has as of December 29<sup>th</sup>, 2013 been elected a full member of the 1000 Miles Per Watt Club  
#3350

Election was based on submission of satisfactory proof of a contact between  
QRP station **KB1TSU** located in **Reading, Massachusetts** running 3 Watts  
And station **PD2OOR** located in **Hellevoetsluis, Netherlands**  
Which represents successful communications equivalent to

**1145 Miles Per Watt**

14 MHz Band # 815  
JT9 Mode # 1



  
Awards Manager QRP/ARCI<sup>SM</sup>



George Dobbs G3RJV (SK)

<https://youtu.be/bzSjoZoj11s>







