

The Signal Report

A Publication of the Greenwood Amateur Radio Society (GARS)

VOLUME 17 ISSUE 6

JUNE 2020

[HTTP://WWW.W4GWD.ORG](http://www.w4gwd.org)

W4GWD@ARRL.NET

2020 CLUB OFFICERS

President

Adam Shirley, WJ4X

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Treasurer

Tedd Davison, AI4WN

Repeater Trustee

Buddy Willis, W4DEW

Activities Manager

Andy Bagwell, KN4DYV

Editor in Chief

Michael Wills, KA4CSM

The W4GWD Repeater Network

147.165+ t107.2

Echolink: 584003

443.900+ t107.2

W4GWM/R

145.420- DV

W4DEW/R

146.910- t123.0

WJ4X/R

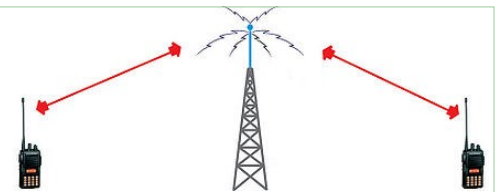
442.600+ t107.2 / DV

Ham Radio - Social Distancing for Over 100 Years



June 2020 Meeting

Our Club normally meets at the Westminster Presbyterian Church, located at 2330 Cokesbury Rd, Greenwood, SC. We meet on the 2nd Tuesday of each month making our June meeting on the 9th. **Unless notified otherwise** it will be held "On the air" at 8 p.m.. A net roll call will be taken and it will become the official attendance roster for this meeting. The clubs 2m (147.165) and 70 cm (443.900) repeaters will be linked during that time. Continue to **practice social distancing** and the **frequent washing of hands**. I'll sure be glad when this Virus is behind us.



Greenwood Amateur Society Recurring Events:



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Chat 'N' Chew

Every Friday at 11:30am the members of the Greenwood Amateur Radio society meet at a local restaurant. Please check in to our Monday or Thursday radio net weekly, as locations change. Everyone is welcome to have lunch or sip your favorite beverage and chat for a while. Dutch treat. **These are suspended until further notice.**

Weekly Nets

Each Thursday night at 9pm on the 147.165+ machine, The Greenwood Amateur Radio Society holds our weekly 2 meter net. Our UHF net on 443.900+ is held Mondays at 8pm

Help spread the word for everyone to check-in to our net. If you would like to fill in or be a backup net control please contact Tedd Davison AI4WN@arrl.net

VE Exam Session

The GARS ARRL Volunteer Examiners (VE) Team testing which would have been conducted in **June has been cancelled.** The next testing date is still to be determined.

If you have any ideas for books you'd like to see in the GARS Library, Contact Mitch KJ4JGP

Congratulations!!

Happy Birthday!

Kevan Nason	N4XL	6-5
David Russ	K4DWR	6-9
Paul Anderzunas	KO4ALK	6-12.
Jim Cox	W3COX	6-14
Adam Shirley	WJ4X	6-15
Amy Bagwell	Fmly Mbr	6-20
George Crane	W3RXF	6-20
Diantha Litwer	N4DLL	6-24

Happy Anniversary!

Michael (KA4CSM) & Sherree Wills
June 2
Earl (KC4AXY) & Betty Jean Powell
June 5
Tedd (AI4WN) & Gail Davison
June 15

Are you an ARRL Member? Joining ARRL helps protect our rights as Amateur Radio Operators as well as providing education, QSL Bureau, technical advise, and the ARRL VEC. <http://www.arrl.org>





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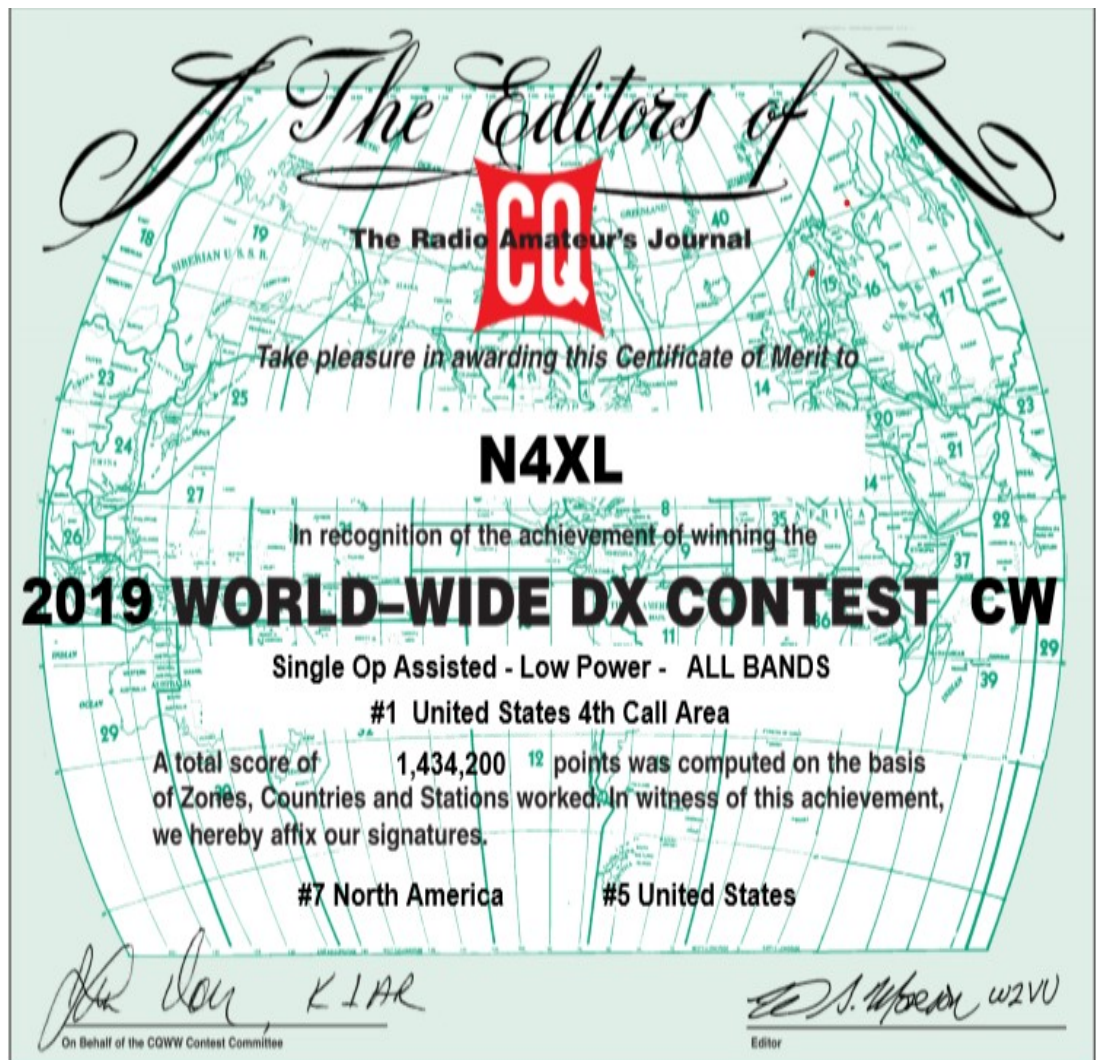
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We all know that Hams are very creative fellows. One of them recently came up with the following new Q codes. Maybe we should adopt them at least until covid-19 leaves us.

- QLD: I am locked down.
- QUA: I am quarantined.
- QPD: I am in the middle of a pandemic.
- QTP: I have toilet paper. Want to trade for a new car?
- QFC: I am flattening the curve.
- QHG: I need a hug.
- QSH: I am sheltering in place.
- QHS: I have hand sanitizer. Want to trade for two new cars?
- QSD: I am observing social distancing.
- QCV: I hate Coronavirus

Congratulations to **Kevan Nason, N4XL** and his achievements as noted on the below certificate. Very impressive!





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Ham Radio “RST” Signal Reporting

<http://www.acsu.buffalo.edu/~maxwell/RSTInfo.html>



The below link appears to be an older “Operating Practice” SOP which contains lots of information. Scroll through it you might find something of interest to you. Submitted by Kevan, N4XL

http://www.on4ww.be/op_english.pdf



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The link below is to the First Edition of Popular Electronics 1954
submitted provided by Darrell, AF4E

<https://www.americanradiohistory.com/Archive-Poptronics/50s/54/Pop-1954->



*"One day, son, all of these perfectly good A.C. adapters, which have long
outlived the products they were originally designed for, will be yours."*

Radio News 1930 101 Radio Hook ups

<https://www.americanradiohistory.com/Archive-Radio-News/Radio-News-Specials/Radio-News-101-Radio-Hook-ups-1930.pdf?fbclid=IwAR0tDosFv0uXSsw1a>



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Directed Net, AF5NP



An amateur radio net (ham-speak for network) is an organized gathering of at least three hams on the air for a specific purpose. It is usually on a regular schedule (e.g., 9pm local on Wednesdays) and specific frequency (e.g., 146.900 repeater). Nets are organized for various reasons, usually conforming to one of two categories: hobby/pleasure and utilitarian. Nets may be impromptu and unscheduled, such as during severe weather when a net may be quickly organized, or following a local emergency or disaster.

While there are CW (Morse code) and voice (phone) nets on the HF bands, most ham nets are found on VHF/UHF repeaters to serve area organizations such as a club or emergency communication group. EmComm organizations such as ARES typically have weekly training nets so it's likely that one is in your area.

Radio nets can be formal or informal. You are most likely to encounter formal nets which have a more structured feel.

When joining a more formal net, you are likely to hear the phrase, "directed net." This means that one operator is in charge of the net, and this person is the net control station (NCS). The NCS is sort of a traffic cop for the net, directing who does what and when. The NCS gets the net started, keeps it orderly, manages net activities, and closes the net down when finished.



Directed Net *Continued*

Identify yourself using the ITU phonetic alphabet when checking into a formal net. With a directed net, once stations have checked in and been acknowledged by the NCS they should not transmit again until called. If one station has something urgent or needs to speak to another operator, they call the NCS.

The directed net structure minimizes interference within the group by ensuring that only one station is transmitting at a time, at least in theory. It assumes that all stations are aware of the directed net protocol and follow it. You may hear multiple people transmitting at net check-in (ham-speak = double) but even here the NCS is in charge and should get the doubles sorted out. The system works pretty well. The best way to learn directed net protocol is to listen in on a few nets. Observe how they operate and follow their lead when you're ready to join in.

As with all ham radio communications, legal identification is required. Give your call sign every 10 minutes during a net (typically only the NCS will talk that long) and at the end of your exchange. Your check-in satisfies the ID requirement if this is your only transmission.



Repeater GPS positions - provided by Buddy, W4DEW as requested by Ted, AE4TJ

443.900	147.1650	146.9100
1117 Park Place Rd	146 TV Tower Rd	475 Greenwood Hwy
Greenwood S.C.	Laurens S.C.	Saluda S.C.
Lat. 34-11-52	Lat. 34-22-19	Lat. 34-00-14
Lon. 82-05-27	Lon. 82-10-03	Lon. 81-49-30

From the South Carolina Section Manager report for March 2020

Net Reports

Net / Check Ins / Traffic / Sessions / Reported By
 Anderson Radio Club 2M Net / 619 / 37 / 31 / KN4PZB
 Atlantic Traffic Net / 64 / 20 / 9 / WF2Y
 Blue Ridge Amateur Radio Net / 1354 / 32 / 31 / W4DJW
 Carolina's Net / 352 / 96 / 62 / KC4PGN
 Columbia ARC 2M Net / 154 / 16 / 4 / KU5N
 CSN / 167 / 25 / 31 / KV4WN
 Florence ARC 2 Meter Net / 67 / 9 / 7 / N4AAK
 Grand Strand ARC 2M Net / 387 / 29 / 29 / N4AJK
 Greater Pee Dee 2 Meter Net / 716 / 52 / 31 / KK4KSZ
 Greenwood ARC 2 Meter Net / 97 / 4 / 4 / AI4WN
 Greenwood ARC 70CM Net / 49 / 5 / 5 / AI4WN
 Kershaw ARC 2 Meter Net / 56 / 5 / 4 / KK4RUI
 Lancaster County 2M Net / 26 / 1 / 5 / N4WMB
 PALS Net / 933 / 46 / 31 / KN4AGJ
 SC SSB Net / 2032 / 90 / 31 / WF2Y
 Sumter County EC Net / 50 / 7 / 5 / KF4ARD
 Trident ARC 2M Net / 92 / 6 / 5 / W4DAX

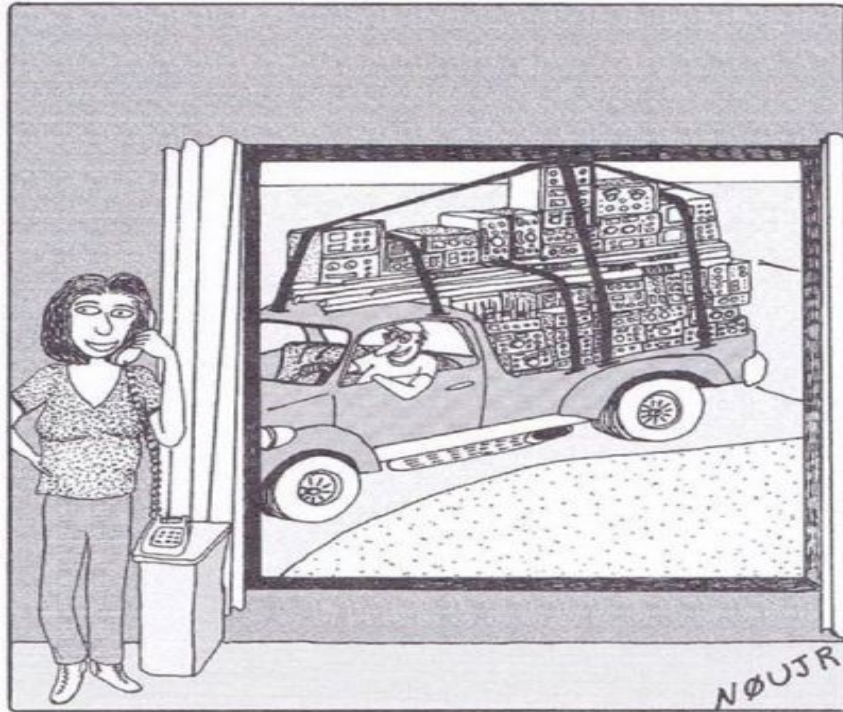
Fortners Hardware store in 96 has these containers for sale. May make good "Go Box's."
 Courtesy of Teddy, AE4TJ



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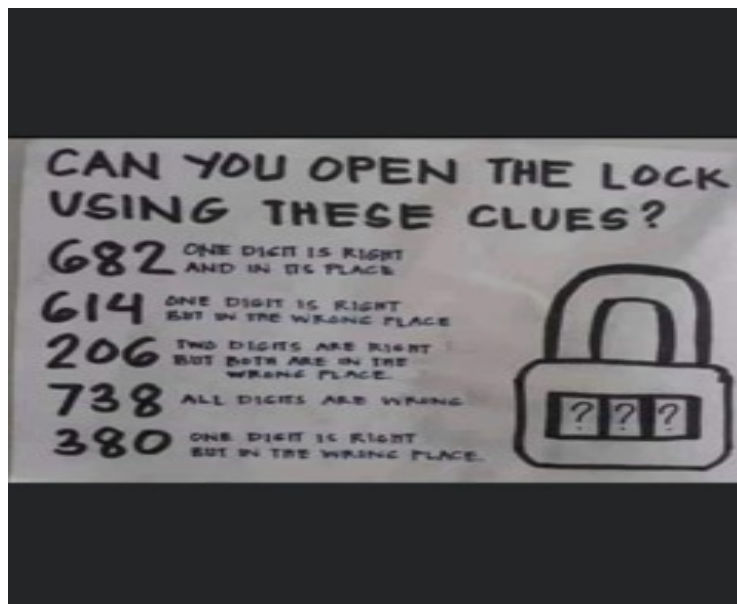
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"No, Greg went to the ham auction today to get rid of a couple old radios that were cluttering up the place...Oh I think I hear him pulling in now..."

Congratulations to **Al West KB4RA, John Fradella N4FJ, Thomas Keadle KN4IXH, Buddy Willis W4DEW & Teddy Johnson AE4TJ** in that order for submitting the correct answer which was 042.



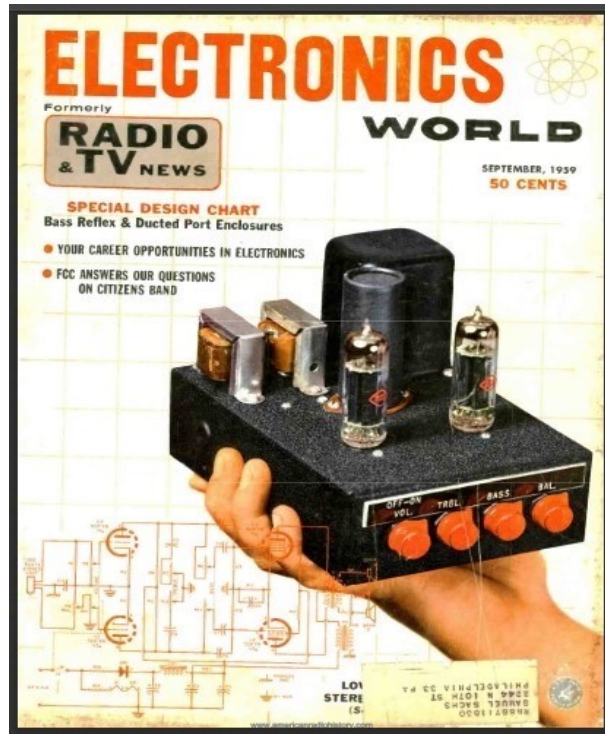


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For Anyone either learning CW or keeping current the below link may be helpful.

<https://morsecode.ninja/practice/index.html>



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Field Day is fast approaching. Providing the virus is behind us and restrictions lifted it will be held on the 27th of June 2020 at the Coronaca Baptist Church in Coronaca. Details to follow. **Tedd AI4WN**, shared his thoughts on Field Day: It is all about amateur radio operators participation in the legacy era of Amateur Radio. You must remember that from 1916 to 1933 the evolution of AM radio was a gigantic leap in engineering pioneered by unpaid hobbyists. Field day was a way to demonstrate that with short notice amateur radio operators could set up and communicate with other operators from across the county. The first Field Day in 1933 was governed by rules that evolved every year to encourage the maximum participation of USA licensed operators. During a few years of World War II, amateur radio was embargoed and field day did not happen.

HAMFESTS & EVENTS

Greenwood Amateur Radio Society (GARS) Field Day, June 27, 2020, details to follow

[Shelby Hamfest](#), 4-6 September 2020

[Blue Ridge Amateur Radio Society](#) Upstate Hamfest,, 12 September 2020

[W4DXCC DX and Contest Convention](#), Pigeon Forge Tn, 25 & 26 September 2020

Lake Hartwell Hamfest, Darwin Wright Park, Anderson, October 17, 2020 8 a.m. until

Greenwood Amateur Radio Society Hamfest (GARS) January 9, 2021

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- * The American Radio Relay League protects our rights as Amateur Radio Operators <http://www.arrl.org>
 - * Support for SERA supports proper coordination! <http://www.sera.org>
 - * Remember your local and regional interest clubs!
 - * Southeast DX Club <http://www.sedxc.org>
 - * Spread the word GARS weekly nets: 147.165 2m Net Thursdays 9 p.m.
443.900 70cm Net Mondays 8 p.m.
 - * Callsign info <http://www.ae7q.com>*
 - * Track us on APRS: <http://aprs.fi>,
 - * Swamp Fox Contest Group <http://swampfoxcontestgroup.com>

Classifieds:

Classifieds will be run for 3 consecutive months then removed. They may be may be posted again after a 3 month period. 3 on then 3 off.

I hope you have enjoyed reading our newsletter. Please contact me at Mike31406@gmail.com with any ideas/comments/suggestions etc. or to place a classified ad.

Mike