

Our new mailing address is:
Greenwood Amateur Radio
Society
P.O. Box 49591
Greenwood, SC, 29649

The Signal Report

A Publication of the Greenwood Amateur Radio Society (GARS)

VOLUME 21 ISSUE 4

APRIL 2023

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

W4GWD@ARRL.NET

2023 CLUB

OFFICERS

President

Russell Myrick, KN4TUI

Vice President

Kevan Nason, N4XL

Secretary

George Crane, W3RXF

Treasurer

Mitch Litwer, KJ4JGP

Repeater Trustee

Buddy Willis, W4DEW

Activities Manager

Di Litwer, N4DLL

Editor in Chief

Michael Wills, KA4CSM

Librarian

Jack Witt, KN4SIK

The W4GWD Repeater Network

147.165+ t107.2

Echo link: 584003

443.900+ t107.2

W4GWM/R

145.420- DV

W4DEW/R

146.910- t123.0



The 2m (147.165) and 440 (443.900) Analog Repeaters are both up.

The GARS D-Star repeater is back up but without an amp.

Repeater Linking: our 2m and 440 repeaters are not linked during nets and but will be during special occasions

April 2023

The next GARS monthly meeting will be held at the Westminster Presbyterian Church, 2330 Cokesbury Rd, Greenwood on April 11, 2023 beginning at 7:30 pm. The doors will be open at 7:00 pm for members to have a time of fellowship and setup for the meeting. Hope to see you all there



Greenwood Amateur Society Recurring Events:



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Chat 'N' Chews

Begin gathering at 1115 at different locations each week. Kin KJ4BAK will announce locations on both the Monday and Thursday night nets. Dutch treat.

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 nets. If you would like to become a net controller or a backup please contact [Kevan Nason, N4XL](#).

VE Exam Session

The next VE testing session is on April 4, 2023 at 7 p.m.. It will be held in the same room as our regular meetings at the Westminster Presbyterian church, 2330 Cokesbury Rd, Greenwood SC. Please contact [Buddy Willis, W4DEW](#) with any questions. No walk-ins, please preregister with Buddy W4DEW.

Congratulations!!

Happy Birthday!

Happy Anniversary!

Ken Trapnell	KQ4RB	Apr 4	None reported
David Davenport	KY4GM	Apr 22	
Tedd Davison	AI4WN	Apr 26	
Mike Willis	KN4SU	Apr 28	

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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Presidents QSO



The 2023-24 club officers are working in many areas of the community and amateur radio at large. When the dust settles, applications processed, checks deposited and all membership renewals are in, hopefully we will have a net gain of members. The input, interest and efforts put forth by longstanding members as well as newer members makes for a strong and vibrant club. I personally look forward to another year of learning and doing new things, in some instances doing things differently. The old phrase 'Change is Constant' is certainly exhibited in the technology of the radios, antennas, batteries, solar panels, generators and other components we use. "Any change, even a change for the better, is always accompanied by drawbacks and discomforts." -*Arnold Bennett*

One of the more recent changes was to the Membership Application Form. Hopefully, it will reduce confusion and expedite processing thus enabling a smoother process for voting on new members. Coupled with the new application form and the transition to a new Treasurer our club now has POB 49591 for receiving mail. There is some expense to that change which we will adapt to. The application form and PO Box are listed on the W4GWD website. We always appreciate W4DEW Buddy (and others behind the scenes) for timely revisions/updates to the site.

Again, many thanks the members that have served and those that continue to serve in areas of leadership for the stability, organization and growth of the club and individual members

Another transition is the EC (Emergency Coordinator) for Greenwood County – Area 1. KY4GM David Davenport has been appointed to that position. He has established an interactive relationship with Jamie Parrish of Greenwood County.

Remember, W4DEW has a VE Session scheduled for Tuesday April 4th at 7:00pm at Westminster Presbyterian Church. Thankfully, we always have a fine turnout of committed VE's to support Buddy and encourage those taking exams. Hopefully, congratulations will be in order for successful candidates.



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Presidents QSO Continued

The following Tuesday April 11th is our monthly meeting also at the church with doors open at 7:00pm and meeting starting at 7:30pm. We had an excellent turnout in March so we looking for good showing in April. Daylight a little later and hopefully good weather.

ARRL Field Day June 24-25th is rapidly approaching. Looking for a team to plan and coordinate. We have a history of fun and fellowship as we setup, configure and get on the air. Please [contact me](#) if you would be interested in organizing this

Our Hamfest Flyer for 2024 has been designed less Chairman. Never too early to begin planning and preparations for that Legacy Event. So everyone give strong consideration for the part you will play.

We have several members &/or family members experiencing health issues. Others have experienced recent deaths of a loved one. Just keep them in your thoughts and prayers along with reaching out to them as you can.

Our Nets are always handled timely and effectively thanks to the current team of Net Controllers. However, additional net controllers are always needed as regulars or alternates.

Be safe, be kind and enjoy life

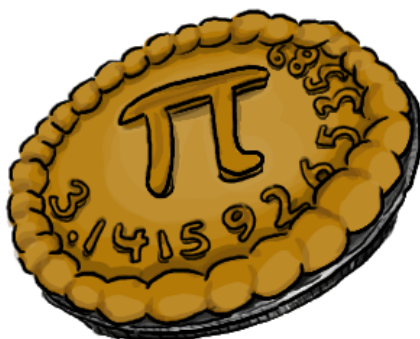
Russ – KN4TUI – 73





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Highlights of the 3.14 (PI day) GARS Monthly club meeting:

Di N4DLL brought several pies and hosted a contest to celebrate Pi day.

A former member William D. Strawhorne WT3M renewed his membership after a short absence.

Dave N8IFR & his wife Susan N4IEO applications for membership were received and they will be contacted concerning the requirement to attend a meeting.

A Committee was formed to review GARS bylaws consisting of Russell KN4TUI, Dave K4DWR, Kevan N4XL & Dave WT3M. If you have any suggestions/comments contact [Russ, KN4TUI](#).

It was voted and seconded to allocate up to \$150.00 for Buddy W4DEW to purchase and install a power interrupter on our 2m repeater which currently has back up power.

Mitch KJ4JGP is the new GARS treasurer and is arranging for a new P.O. box at the Cross creek Post Office in Greenwood.

Jamie Parrish, the Greenwood County Emergency Management Coordinator gave an informative presentation. She pointed out that poor communications is the #1 disaster response issue. She emphasized that this is where the role of amateur radio is critical to our community as when all else fails amateur radio still works. Over a thousand amateur radio operators provided assistance during Hurricane Katrina.

Kevan N4XL gave a presentation on his involvement in Voice on the Air (VOTA) ops. He will give a presentation on Crimping & waterproofing coax connectors at the April meeting. Kevan is the new Net manager.

Two guests attended: Aubrey KO4UGN & Ryan KN4IIQ

Russ KN4TUI confirmed that both the 2m and 70cm repeaters will remain unlinked with the tone on. They may be linked for emergencies and special events.



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I am pleased to announce KY4GM David Davenport has been appointed as our club representative for Emergency Communications (EC) for Greenwood County. Jamie Parrish reviewed the requirements and responsibilities of the position and sought input from people in Greenwood and other counties. She and David are coordinating time for an initial planning session to establish a sequence and priority of steps to address immediate and long term objectives. My congratulations to David on this appointment and his willingness to serve.

Russ Myrick KN4TUI

Extracted from Facebook Group, "Ham Radio Operators"
posted by Howard Young

Tip for the newbie's on HF. Don't be afraid to try and work the weak stations.

I have a totally unimpressive station consisting of an IC-718 and a fan dipole hanging from a tree limb in Missouri. Yesterday, French Polynesia was spotted on 10m phone on the DX listing. I dialed in the frequency. There was no discernible signal strength, only faint audio, but also no pileup. I figured he would be unlikely to hear me, especially if he was running any power. I put out my call and he came back to me with a 4x1 report. I gave him his report and he confirmed it. Later in the day he confirmed the contact in both QRZ LoTW. Boom! Over the years I have had this type of experience many times and have worked some rare DX in a similar fashion.

Listen to [ARRL Audio News](#), available every Friday. ARRL Audio News is a summary of the week's top news stories in the world of amateur radio and ARRL, along with interviews and other features. You must be an ARRL member to access this.

The On the Air podcast is available on iTunes (iOS) and Stitcher (Android). The On the Air podcast and ARRL Audio News are also on blubrry -- [On the Air](#) | [ARRL Audio News](#).



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Tornado Season and Amateur Radio, taken from March 16 ARRL letter, shared by Di, N4DLL

Tornado season is fast approaching, and amateur radio operators will again play a key role in helping the National Weather Service (NWS) issue accurate and timely warnings. In fact, March through May is considered the most active period for tornadoes to develop.

The NWS reports there have already been 255 preliminary filtered reported tornadoes and 213 confirmed tornadoes in the United States in 2023. Worldwide, nine tornado-related deaths have been confirmed, all of them in the United States.

January saw the third-highest number of tornado watches and confirmed tornadoes of any January on record in the United States. Additionally, the first two months of the year saw the fourth-highest number of confirmed tornadoes for the first 59 days of any year on record.

[The SKYWARN® \(weather.gov\)](https://www.weather.gov) Storm Spotter Program is available to anyone interested in helping the NWS track and report potentially dangerous weather. Anyone can become a SKYWARN weather spotter, and the information is available at the SKYWARN website. Most states have amateur radio networks that are activated during severe weather. Trained volunteers use their radios to report rapidly changing activity and share the information with local weather offices. A list of the states that have scheduled special weather awareness activities can be found at the [NWS Awareness and Preparedness Calendar \(weather.gov\)](https://www.weather.gov).

The NWS Forecast office in Norman, Oklahoma, uses amateur radio as one method of communicating with spotter groups and emergency management organizations. For decades, amateur radio operators have provided invaluable service in support of the SKYWARN storm spotter program by using their unique communications capabilities to share critical information between the NWS, the local emergency management officials, and storm spotter networks.

In 1999, the NWS, along with ARRL, founded SKYWARN Recognition Day to honor the voluntary contributions of thousands of amateur radio operators who play a critical role in keeping the public safe and informed about severe weather conditions. The day is celebrated on the first Saturday in December, and amateur radio spotters can earn awards for participating.

The 2022 NWS Spotter of the Year Award was given to Bryan Loper, WX5CSS, of Atlanta, Texas. The award noted that Loper is very active with the amateur radio network and weather community within the Arkansas/Louisiana/Texas region, and is always reliably providing weather reports. Loper is an ARRL member.

To learn more about amateur radio licensing and SKYWARN visit [ARRL.org](https://www.arrrl.org).

Crimp vs. Solder vs. Compression: Pros & Cons courtesy of Darrell, AF4E



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Back



front

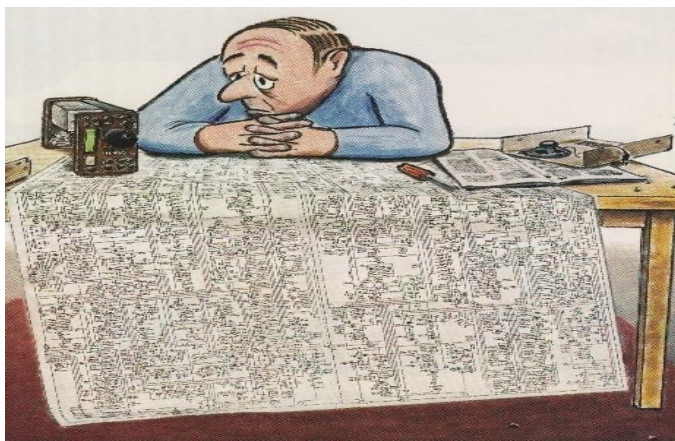
Order t-shirts at the April meeting! **Please pay by check when ordering**, shipping fee & tax is included in price. We must order a minimum of 12 shirts.

The t-shirts are dark green. The club logo/radio tower on the back is light tan. Your call sign on the front is also in light tan. The shirts are a cotton/polyester blend. Hats can also purchased for \$10 but they will not embroider. Just Right Embroidery, a local company, will embroider them for approximately \$10 per hat. The cost per shirt is:

- \$26.25 for sizes Small to X-large
- \$28.25 for size 2X
- \$30.25 for size 3X

There is a one time set up fee of \$30.00 which the club will pay. Since we are new customers, the club must pay a 50% deposit up front. The turn around time for the shirts is 3 – 4 weeks.

Email me if you have any questions Di, N4DLL





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Provided courtesy of Kevan, N4XL

Ham Radio operators, we're calling you! Members of the Ham Radio Science Citizen Investigation (HamSCI) will be making radio contacts during the 2023 and 2024 North American eclipses, probing the Earth's ionosphere. It will be a fun, friendly event with a competitive element—and you're invited to participate.

Both amateur and professional broadcasters have been sending and receiving radio signals around the Earth for over a century. Such communication is possible due to interactions between our Sun and the ionosphere, the ionized region of the Earth's atmosphere located roughly 80 to 1000 km overhead. The upcoming eclipses (October 14, 2023, and April 8, 2024) provide unique opportunities to study these interactions. As you and other HamSCI members transmit, receive, and record signals across the radio spectrum during the eclipse, you will create valuable data to test computer models of the ionosphere.

For more information, go to <https://hamsci.org/festivals-eclipse-ionospheric-science>

More about solar eclipses:

<https://solarsystem.nasa.gov/eclipses/home/>

Radio Apparatus, 1921

<https://worldradiohistory.com/Archive-Early-Radio-Assorted/Radio-Corporation-of-America-Aparatus-Catalog-1921.pdf>



Please contact [Jack](#) Witt KN4SIK if you would like to use our library or have any comments or suggestions about it.



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Annual dues for the Greenwood Amateur Radio Society (GARS) are due to [Tedd Davison AI4WN](#), by today April 1, 2023. \$25.00 per individual membership, plus \$2.00 for spouse, plus \$2.00 more per student. Please mail to 116 Mountain Shore Drive, Greenwood, SC 29649. Although Mitch, KJ4JGP is the new Treasurer it was decided to have Tedd finish collecting this years dues.

OHM



OHM ON THE RANGE

Thank you Mitch, KJ4JGP for updating the GARS mailing address. It will remain permanently on the front page of the newsletter. Please send all correspondence to:

Greenwood Amateur Radio Society
P.O. Box 49591
Greenwood, SC 29649



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Taken from Facebook group, "Ham Radio Operators." by Jeff Padell

Looking for an answer to a question that got several different answers in a recent radio club get together. It is regarding Technicians working as guest operators with a General or Extra class licensee in the General or Extra bands. I searched google and unfortunately I gave my Tech book to my brother.

The question is - how would the Technician id themselves, i.e. would they use their own call sign or have to give the General or Extra's call sign?

Two of they guys said that a Tech working with a General on their station has to use the Generals call sign.

I made a POTA contact the other day and one of the operators is listed in the ARRL database as a Tech, they were not an upgrade as they weren't saying /AG or /AE, they were only giving their own sign. They were operating as the second operator under the other hams General License.

Several responses to this and their perspectives are listed below

Posted by John Thacker

Use the call of the higher class license because your Technician license doesn't give you phone privileges on HF. The higher class licensee must be present and in control of the station while you operate.

Posted by John Crilly

A tech operating a station under control of a higher class operator and using the higher class privileges is in precisely the same position as an unlicensed person operating a station under control of a licensed operator. The callsign of the control operator is used. If it were otherwise, an unlicensed operator would never have to ID at all. This too basic to be a point of confusion.

Posted by Steve Richey

I've worked field day in public parks, getting the public on the air including a congress person's children. They all used my callsign as I was the controller operator. Same thing would apply to a technician licensee outside their privileges.

Posted by Page Graham

Your License doesn't give you HF privileges, so you have to use the General's callsign. And the General must "maintain control" of the station at all times. That's basically what the rules say.

HAMFESTS & EVENTS

Raleigh Hamfest, April 8, 2023 [RARSfest - The NC Capital City Hamfest](#)

The [Georgia QSO Party](#), 8 & 9 April

Ridge Amateur Radio Club [Tailgate Party](#) Batesburg/Leeville, April 15, 2023

Augusta Swapmeet, April 22 preview.mailerlite.com

Atlanta Hamfest June 3, 2023

WCARS Hamfest, Waynesville, NC July 29, 2023,

Greenwood Amateur Radio Society (GARS) Hamfest, January 13, 2024

CLASSIFIEDS

Nothing submitted



- * The American Radio Relay League protects our rights as Amateur Radio Operators <http://www.arri.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>



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

Mike



Greenwood Amateur Radio Society Silent Key Memorial

Established in Memory of all Greenwood Amateur Radio Society (GARS) Radio Operators who were club members and are now Silent Keys. They were friends, family, & fellow hams and all are missed. Page 1 of 2

<u>Callsign</u>	<u>Name</u>		<u>Silent Key</u>
WA4DLB	Harry	Davis	Thursday, November 11, 2010
KF4Y	Jim	Long	Thursday, November 10, 2011
KD4BKV	Margaret	Fort	Monday, September 16, 2013
KD4YPI	Todd	Hendrix	Saturday, March 8, 2014
W4PY	Warren	Wise *	Saturday, February 14, 2015
KC4KZ	Don	Henderson *	Friday, April 3, 2015
K4FPF	Paul	Valentino	Saturday, May 23, 2015
KC4JWM	Alice	Taylor *	Friday, December 11, 2015
KV4IAV	Marion	Elledge *	Sunday, December 27, 2015
K4GBH	Joe	Mimms *	Tuesday, December 29, 2015
KN4D	Max	Sisson	Saturday, November 12, 2016
N4IDL	Jack	Wheless	Tuesday, January 17, 2017
KG4WRC	Don	Finlayson	Monday, March 13, 2017
AD4XA	Charles	Pruitt	Saturday, October 6, 2018
KJ4VJ	Bert	Keck *	Tuesday, October 23, 2018
WW4I	Phil	Henry *	Tuesday, January 1, 2019
KC4UU	Jo	Henry *	Sunday, October 6, 2019
WB4MLU	Homer	Banks	Sunday, June 7, 2020
AK4EK	Jim	Gresham *	Tuesday, July 7, 2020
KI4WJO	Jewell	Mimms	Tuesday, July 14, 2020
KC4JUC	John	Marchi	Tuesday, June 22, 2021
W3COX	Jim	Cox *	Friday, July 16, 2021
KE4NL	Bill	Sargent	Sunday, August 29, 2021
WD4BWK	Franklin	Mitchell	Saturday, September 25, 2021
KB4YON	Eldora	Keck	Thursday, October 14, 2021
AJ4PU	David	Haynes *	Friday, November 26, 2021
N2OEE	Bob	Wiener *	Tuesday, April 12, 2022
WB4KXE	Harvey	Hill	Friday, October 7, 2022



<u>Callsign</u>	<u>Name</u>		<u>Silent Key</u>
N4LTL	James	Wellmaker	Tuesday, February 5, 1991
W8MID	Jack	Mc Guffee	Monday, September 7, 1992
KD4EHP	Anne	Miller	Thursday, March 24, 1994
WA4TME	Brenda	Fort	Tuesday, October 25, 1994
KC4LSN	JR Labron	Jones *	Thursday, March 21, 1996
KC4JWL	James	Taylor *	Monday, January 13, 1997
K4VIA	Earle	Gillian *	Monday, January 12, 1998
WV4B	Glen	Jennings	Friday, January 14, 2000
WA4JOS	Robert	Buffington	Saturday, August 12, 2000
KC4ZJP	Cecil	Sutton *	Thursday, January 25, 2001
K4QMY	Dan	Hammett	Friday, September 28, 2001
KC4CMF	Fred	McKinney *	Thursday, April 4, 2002
KB4BUR	Nell	Spearman *	Sunday, November 17, 2002
KC4MQA	Elbert	Shirley	Sunday, January 12, 2003
W4WQM	Margaret	Duchett	Thursday, June 19, 2003
WD4JOU	Walt	Spearman *	Monday, June 30, 2003
WA9FWO	Franklin	Kolar Jr *	Saturday, August 9, 2003
KA4PQA	Odel	Lyda *	Thursday, September 25, 2003
KC4GZV	Walter	Davis	Sunday, May 16, 2004
KG4LEZ	James	Shiles *	Sunday, January 1, 2006
K4HIH	Richard	Addison	Saturday, April 15, 2006
KB4CK	Guy	Copland *	Monday, April 17, 2006
K4HAN	Ancel	Ouzts	Wednesday, June 21, 2006
KD4BBZ	Richard	Gillian *	Friday, February 2, 2007
KA4OPC	Paul	Savage *	Thursday, January 10, 2008
WA4TNO	George	Fort	Tuesday, June 10, 2008
KE4QQS	Stanley	Green	Saturday, September 27, 2008
KC4IEL	Brenton	Bailey	Friday, May 15, 2009
W4JAK	Allen	Kennemore	Monday, June 29, 2009
W4LS	DR.George	Miller	Thursday, August 13, 2009
K4DOK	Morton	Sanders	Tuesday, June 15, 2010
W4GSW	Gay	Willis *	Wednesday, August 11, 2010