

AMATEUR RADIO CLUB OF COLUMBIA COUNTY, INC.



THE ARCCC, INC. WELCOMES YOU!

The meeting will begin at 7 PM

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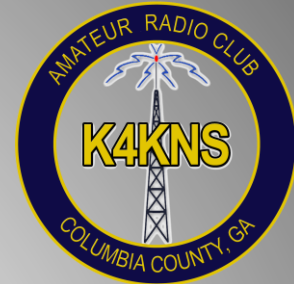
AMATEUR RADIO CLUB OF COLUMBIA COUNTY, INC.



GENERAL MEETING
MEETING #153
Tuesday, April 1, 2025
7 PM

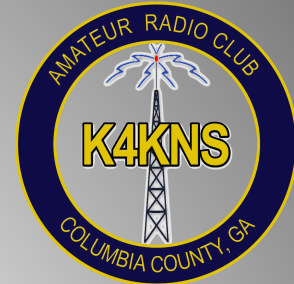


INVOCATION



MEETING AGENDA

- Welcome & Introductions
- Presentation: Meshtastic – Daniel Nelms (KK4CNM)
- Membership Applications
- Monthly Reports
- Upcoming Events
- Business Items
- Committee Updates
- Amateur Radio Club of Augusta
- North Augusta Belvedere Radio Club
- East Central/Columbia County ARES
- AmRRON
- Review Motions and Assignments
- Adjourn



SWAP TABLE

Now at

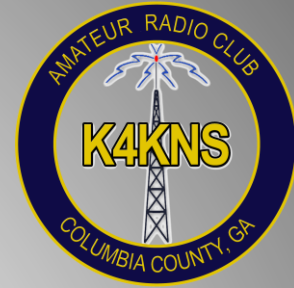
<https://arcccinc.groups.io/g/swapsellortrade/topics>





Welcome and Introductions

- Please Sign In on the Attendance Log
 - Please PRINT Legibly
- Introductions
 - QUICKLY Go Around the Room and Provide Your Name and Call Sign



Presentation

Meshtastic

Daniel Nelms (KK4CNM)



How to get started using Meshtastic

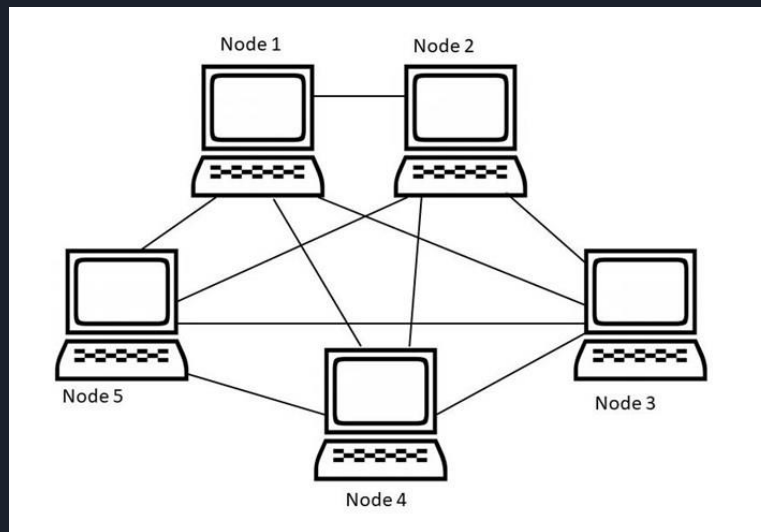
An overview of the Meshtastic
Project

Meshtastic® is a registered trademark of
Meshtastic LLC.

What is a Mesh-Network?



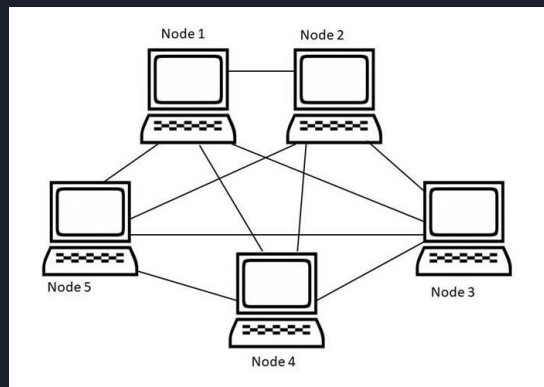
- Meshtastic is a point-to-point network rather than a centralized network. “Think simplex.”



What is a Mesh-Network?

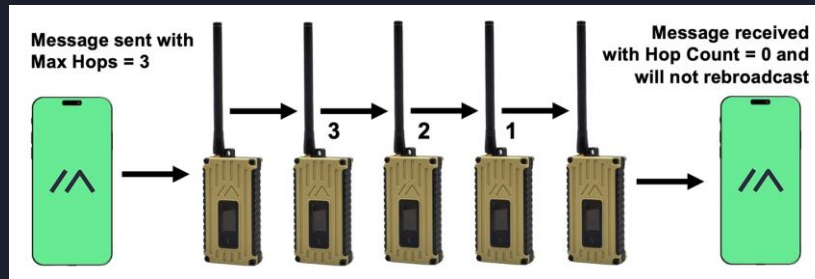


- A MESH network is a decentralized system where each device (or node) connects with nearby nodes to pass data along multiple paths. Unlike traditional networks with a central hub, MESH networks are self-healing—if one node fails, data reroutes through others, improving reliability and coverage.



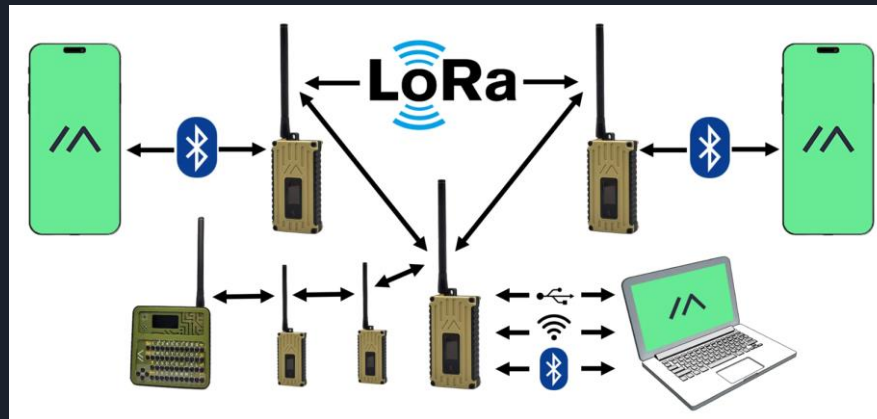
What is Meshtastic?

- Meshtastic is an open source, off-grid, decentralized, mesh texting platform built to run on affordable, low-power devices.
- Meshtastic is a project that enables you to use inexpensive LoRa radios as a long range off-grid communication platform in areas without existing or reliable communications infrastructure. This project is 100% community driven and open source!



Metastatic uses LoRa Radios

- Uses Low-Power, Long-Range Radio (LoRa) 915 Mhz Radios.
- LoRa was invented in the around the mid 2010's and competes with other internet of things (IOT) protocols.





How is this different from WiFi?

- With a traditional WiFi network you have a router that devices connect to and all traffic goes through a centralized location.
- With Meshtastic nodes, the traffic is decentralized and is routed through a nearby node to its destination. No changes in confirmation need to be made and device is able to see what nodes are nearby to route traffic through.
- Think of Meshtastic as a self-healing network that people can join and leave at anytime without the need to do any configuration changes.

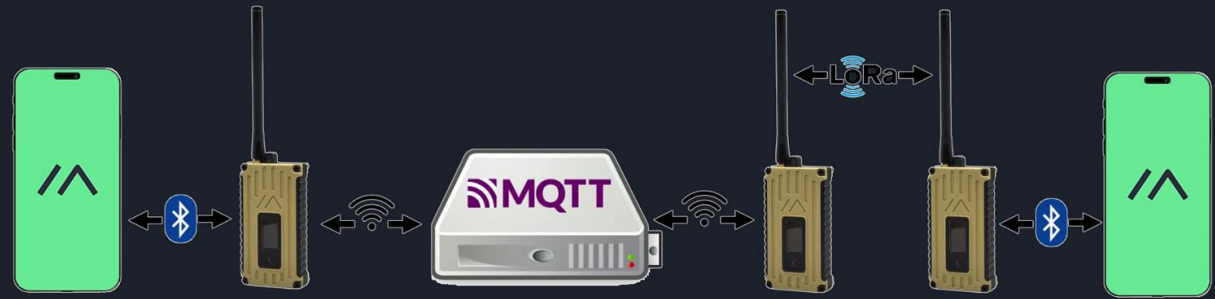




What can I do with Meshtastic?

- You can send and receive text based messages wirelessly without the need for internet or mobile data.
- You can send and receive location information and view node locations on a map on a mobile device.
- You can connect a node to the internet that is out of wireless RF range to a MQTT Server that allows the messages to be routed from the internet back to the remote wireless meshtastic nodes.

Why use MQTT (Message Queuing Telemetry Transport)MQTT?



Integrating MQTT with Meshtastic extends off-grid communication by bridging distant networks. This provides a backup when mesh signals are weak, and ensures message delivery via the internet.

Target audience

- Anyone!
- You do not have to have a ham license to operate a Meshtastic node.



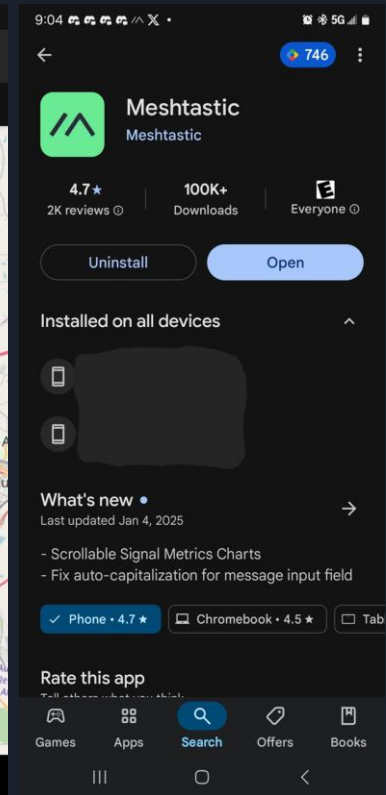
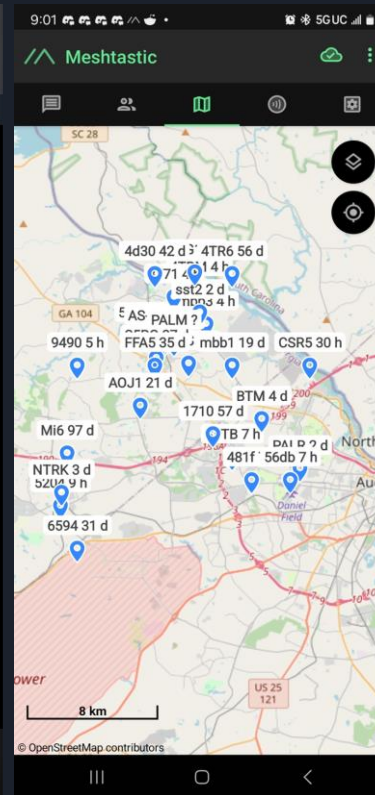
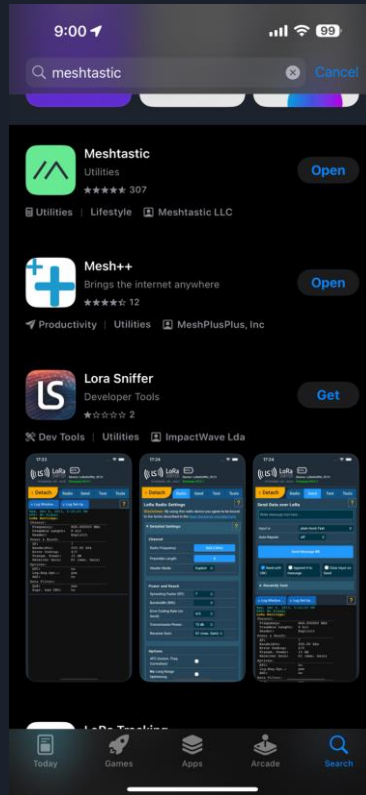
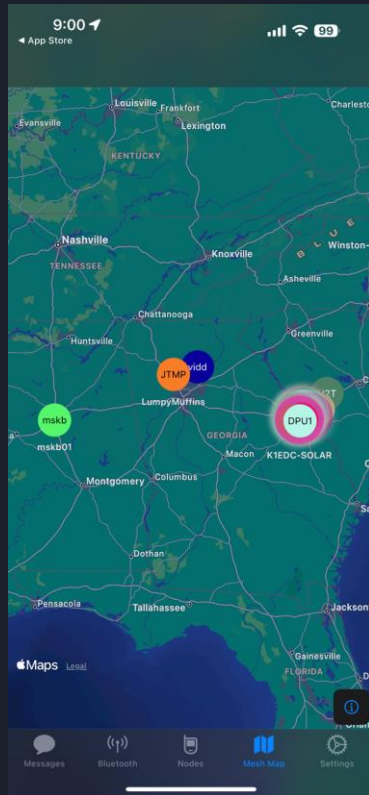
Where do I get it?

- Build your own?
 - RAKWireless
 - Amazon
 - SeeedStudio
- Pre-made?
 - Spec5
 - LilyGo
 - RAKWireless
 - SeeedStudio
 - Etsy



*In the US we use the 915 Mhz band

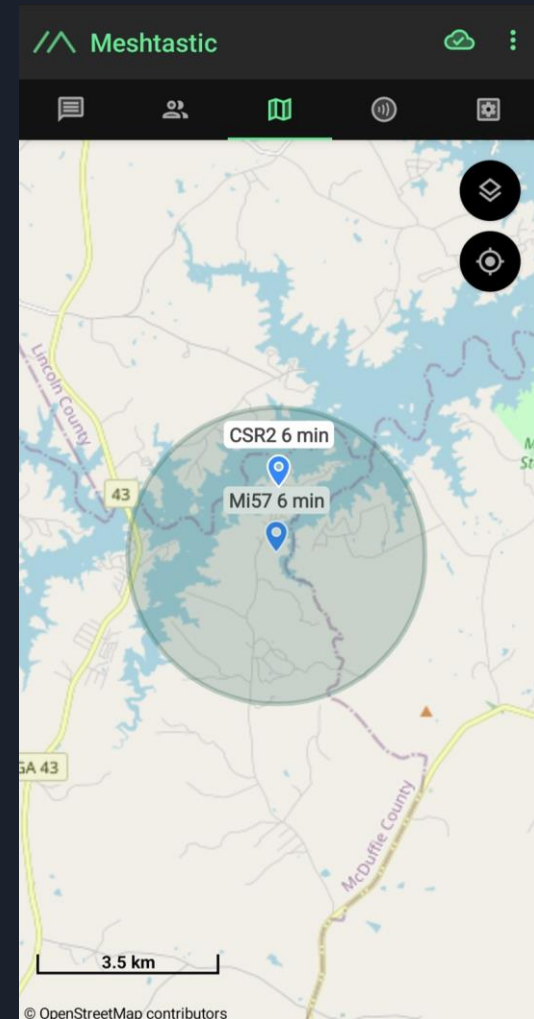
Meshtastic on Your Mobile Device



Using Meshtastic

- Send messages like APRS
 - No fixed repeater needed
 - Point-to-Point or Multi-Point
 - Send to a group “Channel”
- Exact location or approximate using Dilution of Position (DOP).

*DOP is on by default.








CSRA Meshtastic Community

- Discord
- Facebook
- www.csramesh.org











https://meshtastic.org/

 [Blog](#) [Docs](#) [Downloads](#) [About](#)    Search 


/^ESHT^ST/C


An open source, off-grid, decentralized, mesh network built to run on affordable, low-power devices


[Learn More](#) [Get Started](#) [Donate](#)

Getting Started


 **Step 1**
[Choose a Device →](#)
Meshtastic devices are available in a variety of configurations to suit your needs.


 **Step 2**
[Flash and Configure your Device →](#)
Flash your device with the latest version of Meshtastic and configure it to your liking.


 **Step 3**
[Connect to your Device →](#)
Connect to your device via any of our clients to start sending and receiving messages!

Get Connected

Connect and control your Meshtastic devices through various platforms. Choose the client that best fits your needs and device ecosystem.

iOS App 
Manage your Meshtastic network on-the-go with our iOS application.

Android App 
Connect and control your Meshtastic devices using our Android application.

Web Client 
Access your Meshtastic network from any device with our web-based client.



Presentation

Meshtastic

THANK YOU!!!

Daniel Nelms (KK4CNM)



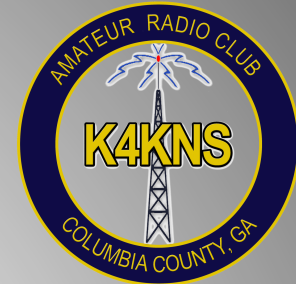
UPCOMING EVENTS (1)

- ~~01-07-2025~~ ~~ARCCC, Inc. General Meeting~~
- ~~01-09-2025~~ ~~ARCCC, Inc. BOD Meeting~~
- ~~01-11-2025~~ ~~Greenwood Hamfest~~
- ~~01-11-2025~~ ~~CSRAHamExams Exam Session (Last one till March)~~
- ~~01-25/26-2025~~ ~~Winter Field Day~~
- ~~02-04-2025~~ ~~ARCCC, Inc. General Meeting~~
- ~~02-07/09-2025~~ ~~Orlando Hamcation~~
- ~~02-15-2025~~ ~~ARCA Swapmeet~~
- ~~02-22-2025~~ ~~Dalton, GA Hamfest~~
- ~~03-04-2025~~ ~~ARCCC, Inc. General Meeting (Battery Care)~~
- ~~03-07/08-2025~~ ~~Charlotte, SC Hamfest~~
- ~~03-08-2025~~ ~~CSRAHamExams Exam Session~~
- ~~03-15-2025~~ ~~Sevier County, TN Hamfest~~



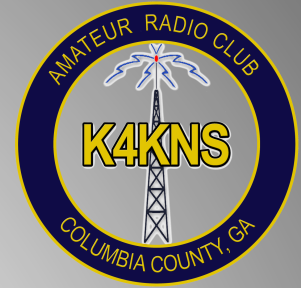
UPCOMING EVENTS (2)

- 04-01-2025 ARCCC, Inc. General Meeting (Meshtastic)
- 04-05-2025 Ridge Amateur Radio Club Tailgate Batesburg-Leesville
- 04-05-2025 Raleigh, NC Hamfest
- 04-12-2025 CSRAHamExams Exam Session
- 04-19-2025 W4RTO Ham Tailgate (American Legion 26)
- 05-03-2025 Columbia County Public Safety and Preparedness Fair
- 05-06-2025 ARCCC, Inc. General Meeting (RTSystems)
- 05-10-2025 CSRAHamExams Exam Session
- 05-16/18-2025 Hamvention
- 06-03-2025 ARCCC, Inc. General Meeting (Rocket Machine Worx)
- 06-07-2025 Atlanta Hamfest
- 06-14-2025 CSRAHamExams Exam Session
- 06-28/29-2025 ARRL Field Day



UPCOMING EVENTS (3)

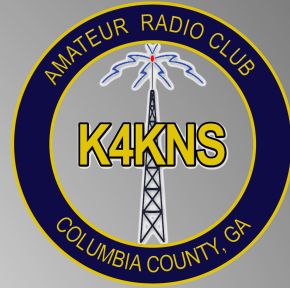
- 07-01-2025 ARCCC, Inc. General Meeting (Logic/Ctrl)
- 07-12-2025 CSRAHamExams Exam Session
- 08-05-2025 ARCCC, Inc. General Meeting
- 08-09-2025 CSRAHamExams Exam Session
- 08-16/17-2025 Huntsville, AL Hamfest
- 08-29/31-2025 Shelby, NC Hamfest
- 09-02-2025 ARCCC, Inc. General Meeting (MRC)
- 09-13-2025 CSRAHamExams Exam Session



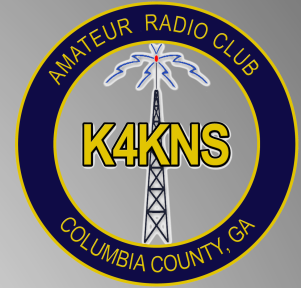
UPCOMING EVENTS (4)

- 10-07-2025 ARCCC, Inc. General Meeting
- 10-11-2025 CSRAHamExams Exam Session
- 10-17/19-2025 Jamboree-on-the-Air (JOTA)
- 11-01/02-2025 Stone Mountain Hamfest
- 11-04-2025 ARCCC, Inc. General Meeting
- 11-08-2025 CSRAHamExams Exam Session
- 12-02-2025 ARCCC, Inc. Annual Awards and Holiday Party
- 12-13-2025 CSRAHamExams Exam Session

ARCCC, Inc. Upcoming Presentations



- 04-01-2025 – Meshtastic
- 05-06-2025 – RTSystems
- 06-03-2025 - Rocket Machine Worx
- 07-01-2025 – Logic/Control
- 09-02-2025 – Medical Reserve Corps
- 10-07-2025 - Geochron
- Ropes and Knots



MEMBERSHIP APPLICATIONS

Are there any ARCCC, Inc. Membership Applications for consideration?



ARCCC, INC. MONTHLY REPORTS

Treasurer's Report

- Update from Treasurer
 - March 2025 Update

Secretary's Report for March 4th, 2025 meeting:

- [03-04-2025 Meeting Minutes](#)

ARCCC Monthly Financial Summary	
March 2025	
ARCCC Accounts	Amount
South State Bank	\$1,921.98
PayPal	\$2,156.39
Petty Cash - Treasurer	\$185.00
Balance as of 3/1/25	\$4,263.37
Expenditures	\$188.30
Membership Renewals	\$243.07
Other Receipts / Deposits	\$0.00
Balance as of 3/31/25	\$4,318.14
Less Commitments	
2025 Approved Budget	-\$3,247.00
Actuals - Budget thru 3/31/25	\$298.72
TOTAL AVAILABLE FUNDING	\$1,369.86



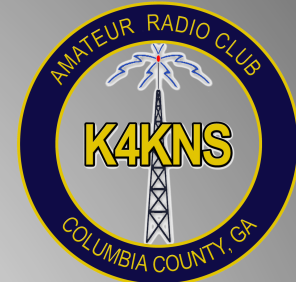
KROGER COMMUNITY REWARDS

- Simply visit www.KrogerCommunityRewards.com
- Login to your existing account or create an account
- Click on Community
- Enter “**DF873**” and **Amateur Radio Club of Columbia County, Inc.** should appear.
- Select our organization and donate!



\$24.28 Received!!!





Club Callsign Badges

**Amateur Radio Club of
Columbia County, Ga
Name Badge**



ARC of Columbia County, Ga
Badge price \$13.50

☐ **MEGA-STRONG Magnetic Bar** \$3.75

The SignMan *of Baton Rouge*

Order at this link:

<https://thesignman.com/clubs/columbiacogacart.html>



Business Items

- **HamClubOnline.com**
 - ****NOTE: Membership Expiration Notices are sent 60 Days prior to the date of expiration.**
 - ****NOTE: There is a 7 Day Grace period where you can pay and not have to reapply for membership.**
 - **ARRL Email Addresses are not valid, please update your email address within HamClubOnline**
 - **ARRL Forwarding Email System is unreliable**
- **Groups.io**
 - <https://groups.io/g/arccinc>
- **Please email all monthly meeting presentation items to the President no less than 7 days prior to the General Meeting.**



HamClubOnline - Club Self-Check (ARCCC)

Member Statistics:

Active Members [97](#)
 Expiring Soon Members [2](#)
 Inactive Members [50](#)
 Non-Members Affiliates [0](#)

Rank Statistics: (Active Members)

Member [92](#)
 Trustee [2](#)
 Officer [5](#)
Total [99](#)

Member Types Statistics: (Active Memberships)

Family Membership [8](#)
 Family Membership (Free) [4](#)
 Full Membership [70](#)
 Full Membership (Active Military) [1](#)
 Honorary Membership [1](#)
 Life Membership [15](#)
Total [99](#)

Pending Applications:

Name	Status	Application Date
Rick A Klemenz KR4CEU	Pending Membership	2025-03-17 19:27:45

Members Expiring Soon:

Name	Callsign	Expire Date
Jim C Pruitt	KN4LCJ	2025-03-24
Harold L Aaron	KO4TWX	2025-03-24

Members with Invalid E-Mail Addresses:

Name	Callsign	E-Mail
JOHN T CARTER II	KJ4MC	kj4mc@arrl.net
CHARLES A PENNINGTON JR	K4GK	k4gk@arrl.net

Members with Expired Licenses:

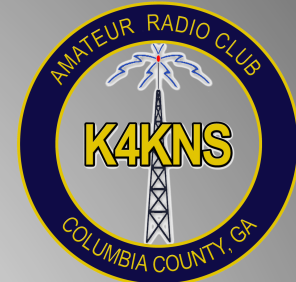
Name	Callsign	Lic Exp Date
LINDA P ANTPOLSKY	N4LDH	2024-12-22

New Members: (Last 90 Days)

Name	Callsign	Join Date
Steve M Burinsky	K3SMB	2025-01-08
Hans Van Loenen	KQ4MTX	2025-01-08
CANNON B TAYLOR	N4CBT	2025-02-05
Rodney B Crawford	KQ4YMT	2025-02-05
LISA M WELSH	KI6HHY	2025-02-05

Inactivated Members: (Last 90 Days)

Name	Callsign	Remove Date	By
ROBERT A GARN	KG4EDH	2025-03-30	(HCOL SYSTEM)
DEVON Z HARRIS	KM4PHT	2025-02-26	(HCOL SYSTEM)
MICHAEL C MURPHEY	KI4WWG	2025-01-09	(HCOL SYSTEM)
Mark T Sisson	KO4OQK	2025-03-28	(HCOL SYSTEM)



Tami King	KE5QLY	2025-03-03	(HCOL SYSTEM)
James R Embry		2025-01-18	Russell B Welsh KG4HIR
Thomas W Hardin Jr	KO4FFA	2025-01-09	(HCOL SYSTEM)
SHAWN D KING	KI4JDO	2025-03-03	(HCOL SYSTEM)
BRANDON M RAMIREZ	KQ4NTK	2025-02-13	(HCOL SYSTEM)

New Memberships: (Last 90 Days)

Name	Callsign	Membership Type	Amount	Start Date	End Date	Poster	Post Date
Hans Van Loenen	KQ4MTX	Full Membership	\$25.00	2024-12-31	2025-12-31	Hans Van Loenen	2024-12-31
Stephen C Martin	KO4CVU	Full Membership	\$25.00	2025-01-27	2026-01-26	Stephen C Martin	2025-01-01
William W Byrne	KO4TLS	Full Membership	\$25.00	2025-01-01	2025-12-31	William W Byrne	2025-01-02
Randall L Blumberg	KN4FYG	Full Membership	\$25.00	2025-02-25	2026-02-24	Randall L Blumberg	2025-01-08
Richard M McKnight	NO3K	Full Membership	\$25.00	2025-01-08	2026-01-08	Richard M McKnight	2025-01-08
David D Slabodnick	KO4LDS	Full Membership	\$25.00	2025-01-25	2026-01-24	David D Slabodnick	2025-01-10
THOMAS J JACKSON	KM4LLO	Full Membership	\$200.00	2025-09-19	2033-09-16	THOMAS J JACKSON	2025-01-17
Steven L Clayborn	KJ4FSX	Full Membership	\$50.00	2025-01-15	2027-01-14	Russell B Welsh	2025-01-18
Samantha M Lytich	KM4NSF	Full Membership	\$50.00	2025-01-18	2027-01-17	Russell B Welsh	2025-01-18
Allen D Marshall Jr	N4MI	Full Membership	\$25.00	2025-03-21	2026-03-20	Allen D Marshall Jr	2025-01-19
Joseph D Dodgens	KO4UWM	Full Membership	\$25.00	2025-02-06	2026-02-05	Joseph D Dodgens	2025-01-22
Robert W McManus	KN4KQJ	Full Membership	\$25.00	2025-03-25	2026-03-24	Robert W McManus	2025-01-23
Rodney B Crawford	KQ4YMT	Full Membership	\$25.00	2025-01-25	2026-01-25	Rodney B Crawford	2025-01-25
Gary L Burdette	K4ISG	Full Membership	\$50.00	2025-02-06	2027-02-05	Gary L Burdette	2025-01-31
RICHARD W BELL JR	WD4KQG	Full Membership	\$25.00	2025-04-04	2026-04-03	RICHARD W BELL JR	2025-02-02
Mary K Morris	KQ4JKG	Full Membership	\$25.00	2025-03-07	2026-03-06	Mary K Morris	2025-02-05
CANNON B TAYLOR	N4CBT	Full Membership	\$25.00	2025-02-05	2026-02-05	CANNON B TAYLOR	2025-02-05
Shannon M Welsh	KK4MED	Full Membership	\$25.00	2025-02-22	2026-02-21	Shannon M Welsh	2025-02-21
WILLIAM D CLARK JR	WK4F	Full Membership	\$100.00	2025-02-24	2029-02-22	WILLIAM D CLARK JR	2025-02-23
Steven D Kitchings II	KN4RVU	Full Membership	\$25.00	2025-02-24	2026-02-23	Steven D Kitchings II	2025-02-23
JOHN M CRAWFORD	W4QK	Full Membership	\$25.00	2025-02-25	2026-02-24	JOHN M CRAWFORD	2025-02-26
David A McGahee	W4DEA	Full Membership	\$25.00	2025-03-25	2026-03-24	David A McGahee	2025-03-01
DAVID R CORSIGLIA	WA6TWF	Full Membership	\$25.00	2025-02-25	2026-02-24	Steven D Kitchings II	2025-03-05
Mary K Kitchings	KN4UYQ	Family Membership	\$25.00	2025-03-06	2026-03-05	Mary K Kitchings	2025-03-05
Russell B Welsh	KG4HIR	Full Membership	\$25.00	2025-03-09	2026-03-08	Russell B Welsh	2025-03-05
Keith A Conner	KQ4HDN	Full Membership	\$25.00	2025-05-03	2026-05-02	Keith A Conner	2025-03-18
URBAN W J Welsh	KC2CIX	Full Membership	\$25.00	2025-03-23	2026-03-22	URBAN W J Welsh	2025-03-24
Marion B Butler Jr.	KO4NSY	Full Membership	\$25.00	2025-03-28	2026-03-28	Marion B Butler Jr.	2025-03-28
Aparna Vijayan	KO4OQH	Full Membership	\$25.00	2025-03-29	2026-03-29	Aparna Vijayan	2025-03-29

- 1.
- 2.
- 3.

[Club Menu](#)
[Main Menu](#)
[Logoff](#)



ARCCC, INC.
MEMBERS

The diagram is an inverted pyramid divided into three horizontal sections. The top section is the largest, the middle section is smaller, and the bottom section is the smallest, forming a triangular shape. All sections are light blue with black text.

COMMITTEES

BOD



COMMITTEE UPDATES

Directors provide QUICK UPDATES on their committees

- IT
- Repeater
- Net Control
- Volunteer Examiner
- Constitution and Bylaws
- Field Day
- Asset/Inventory
- Nomination

- Chaplain and Visitation
- Fundraising
- Mentoring
- Outreach

Appointed Positions:

- K4KNS Trustee
- Public Information Officer
- QSL Manager





2025-2026 APPOINTMENTS

- K4KNS Trustee
 - Randall Blumberg (KN4FYG)
- QSL Manager
 - Dan Marshall (N4MI)
- Net Manager
 - Bill Clark (WK4F)
- Presentations
 - Eric Cagle (KK4ZHT)



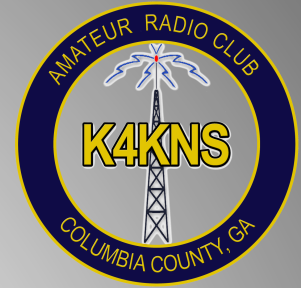
COMMITTEE UPDATES

- Fund Raising Committee
 - Pull out your tickets!!!
- Fund Raising Ideas are Welcome!



COMMITTEE UPDATES

- Fund Raising Committee
 - Potential Fundraising Opportunities
 - Tempest
 - Dairy Queen
 - Bridgecom



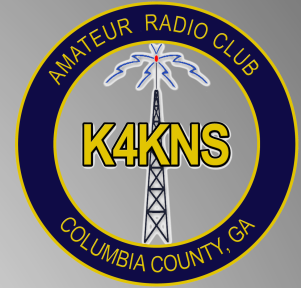
COMMITTEE UPDATES

- Bylaws/Nominations Committee
 - Jim Cunningham (KV4YA) – Co-Director
 - Randall Blumberg (KN4FYG) – Co-Director
- Recently approved Constitution and Bylaws have been posted on the website



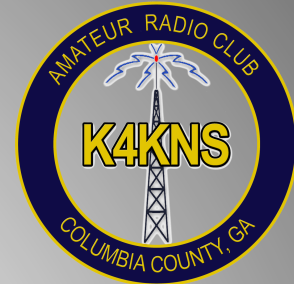
COMMITTEE UPDATES

- Finance Committee
 - Randall Blumberg (KN4FYG)
 - David Slabodnick (KO4LDS)



COMMITTEE UPDATES

- Outreach Committee
 - Dan Marshall (N4MI)
 - Randall Blumberg (KN4FYG)
- May 3, 2025 from 9 AM until 1 PM
 - ARCCC, Inc. has been invited again to participate in the Columbia County Annual Public Safety and Preparedness Fair at Evans Towne Center Park



COMMITTEE UPDATES

- IT Committee
 - Rusty Welsh (KG4HIR)
 - Randall Blumberg (KN4FYG)
 - Eric Cagle (KK4ZHT)



COMMITTEE UPDATES

- Examinations
- CSRAHamExams.com

CSRA Ham Exams

Amateur Radio Exams for those in the Central Savannah River Area

Home

When/Where Do I Test?

Register for Exam

Find My Call Sign

About the Team

Join the VE Team

Home

🏠 Home :: Home

Welcome to CSRA Ham Exams.com!

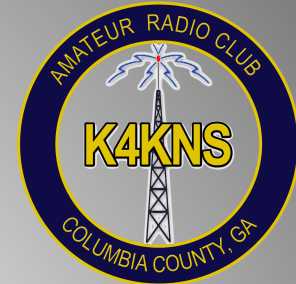
Are you looking to take an Amateur Radio Exam within the Central Savannah River Area? Centered in Columbia County/Richmond County, Georgia, the CSRA Ham Exams Team is excited to help you get started in the Amateur Radio Hobby or to help you advance to the next level License Class. Either way we look forward to helping you achieve your goals!

To ensure you are prepared to take an exam with the CSRA Ham Exams Team please follow the instructions on the <https://www.csrahamexams.com/when-where-do-i-test/> webpage.



COMMITTEE UPDATES

- Repeater Committee
 - Randall Blumberg (KN4FYG) – Co-Director
 - Walter Brumbeloe (W4EFS) – Co-Director



COMMITTEE UPDATES

- Field Day Committee
 - Edwin Davis (KQ4SRF) – 2025-2026 Co-Director
 - Sam Reeder (WW4ZT) – 2024-2025 Co-Director
 - To Join the Field Day Committee
 - You must join via Groups.io
 - <https://arcccinc.groups.io/g/fieldday/topics>



Edwin (KQ4SRF)



Sam (WW4ZT)

01-25-2025 ARCCC, INC. WINTER FIELD DAY



EUBANK BLANCHARD
COMMUNITY CENTER

ARCCC, INC.





DID YOU KNOW...

Your Logbook WAS Account (K4KNS)

Account Status

WAS Award	New LoTW QSLs	LoTW QSLs in Process	WAS Credits Awarded	Total
Mixed	48	0	0	48
80M	29	0	0	29
40M	42	0	0	42
20M	42	0	0	42
15M	32	0	0	32
10M	19	0	0	19
CW	33	0	0	33
Phone	48	0	0	48
Digital	36	0	0	36
FT8	23	0	0	23
PSK31	24	0	0	24
80M Phone	27	0	0	27
80M CW	3	0	0	3
80M Digital	8	0	0	8
80M PSK31	4	0	0	4
40M Phone	38	0	0	38
40M CW	18	0	0	18
40M Digital	28	0	0	28
40M PSK31	21	0	0	21
20M Phone	40	0	0	40
20M CW	20	0	0	20
20M Digital	19	0	0	19
20M PSK31	9	0	0	9
15M Phone	27	0	0	27
15M CW	11	0	0	11
15M Digital	7	0	0	7
10M Phone	7	0	0	7
10M CW	9	0	0	9
10M Digital	12	0	0	12
Triple Play	117	0	0	117
5-Band	164	0	0	164

* = Award has been issued

- The ARCCC, Inc. is only 2 States Away from WORKING ALL STATES!
- ALASKA
- NEW MEXICO

Amateur Radio Club of Augusta



ARCA General Meeting

April 15, 2025 7:00 PM - 8:00 PM
POB-1 (formerly H2U) Building

W4DV.club

North Augusta - Belvedere Radio Club



NABRC General Meeting

April 14, 2025 7:00 PM - 8:00 PM

Aiken Regional Medical Center

302 University Pkwy, Aiken, SC 29801

Floor 6, Classroom A

K4NAB.org



East Central/Columbia County ARES



Susan Messick, WA0B

East Central District Emergency Coordinator
Columbia County GA ARES Emergency Coordinator

David Corsiglia, WA6TWF

Columbia County GA ARES Assistant Emergency Coordinator



AmRRON

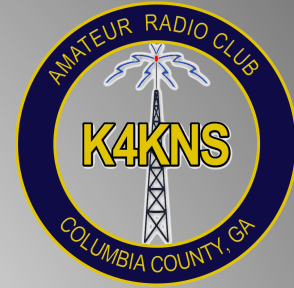


AmRRON



**The American Redoubt Radio Operators Network
and The American Preparedness Radio Network (TAPRN)**

Steven Kitchings, KN4RVU



REVIEW

- Review motions and assignments
- We would welcome your presentations and ideas for presentations.
- Is there a motion to adjourn the meeting?



THANK YOU!!!