AMATEUR RADIO CLUB OF COLUMBIA COUNTY, INC.



THE ARCCC, INC. WELCOMES YOU!

The meeting will begin at 7 PM

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GENERAL MEETING

MEETING #162

Tuesday, October 7, 2025

7 PM



INVOCATION

MEETING AGENDA



- Welcome & Introductions
- Presentation: Hamclock Dan Marshall (N4MI)
- Upcoming Events
- Membership Applications
- Monthly Reports
- 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

KAKINS

COLUMBIA COUNTY OF

Now at

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





Welcome and Introductions



- Please Sign In on the Attendance Log
 - Please <u>PRINT</u> Legibly

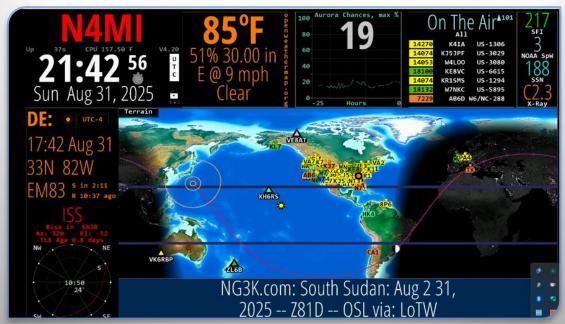
- Introductions
 - QUICKLY Go Around the Room and Provide Your Name and Call Sign

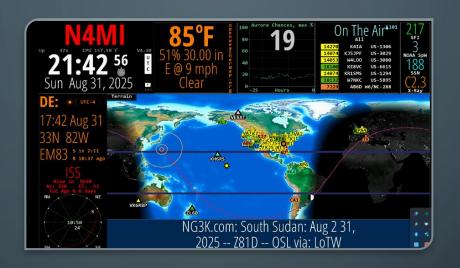




Hamclock

Dan Marshall (N4MI)





HAMCLOCK

MORE THAN JUST A CLOCK

Dan Marshall N4Ml

What is HamClock?

- An open-source software project
- Runs on a Raspberry Pi (or other SBC, such as Inovato Quadra)
- Designed specifically for Ham Radio operators
- A "station information dashboard"

Visualizing the world of Ham Radio

- A world map with several projections and overlays
- Grayline visualization
- Great Circle path calculator
- Customizable data panes with useful information

The "DIY" Aspect

- You build it yourself, giving you flexibility in hardware
- It's cost-effective compared to other commercial displays
- The satisfaction of a building a fun, useful electronics project

Customization

- Highly configurable through a web interface
- Choose what information is displayed and where
- Regular software updates with new features
- The developer and user community is active and supportive

What Can it Do??

Accurate Timekeeping

- Displays UTC prominently for logging and contest operations
- Shows local time and sunrise/sunset times
- Automatic time synchronization via the internet (NTP)

DX and Propagation Information

- Live propagation data: Sunspots, K-index, Solar Flux Index, A-index
- Grayline map
- Moon phase and position
- Real-time spots from RBN, DX Cluster, WSPRnet

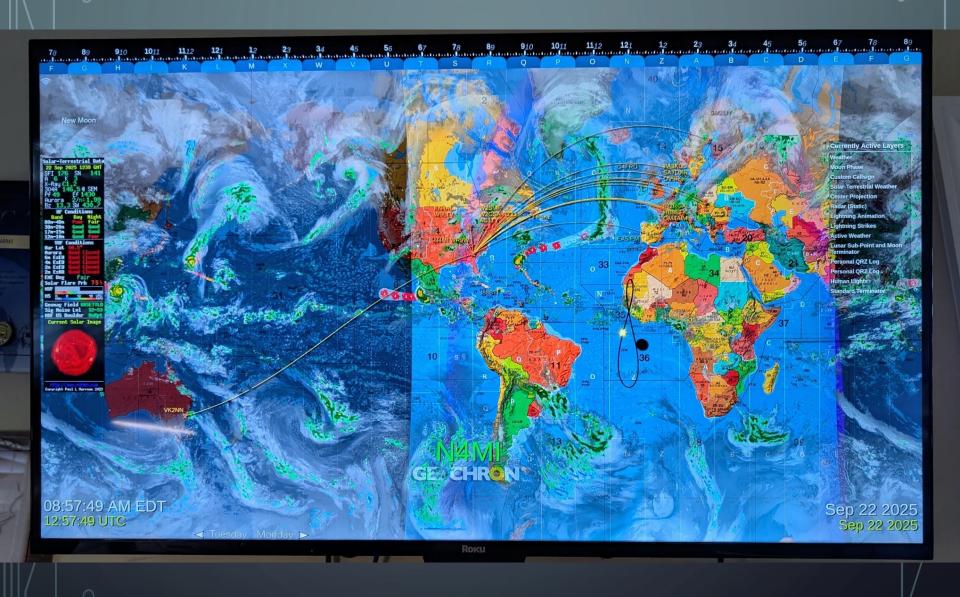
Weather and Space Weather

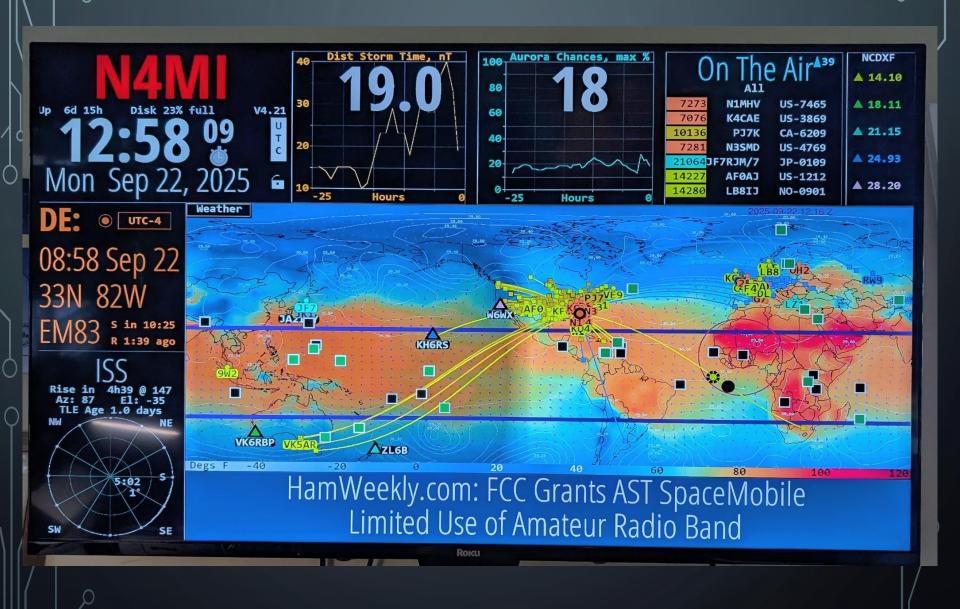
- Local and DX weather
- Satellite tracking: shows pass times and paths for sats
- Space weather (geomagnetic storms, etc.)

HamClock vs. GeoChron

Feature	HamClock	GeoChron
Cost	Low-cost hardware + free software	Significant hardware cost + annual subscription for ham overlays
Hardware	DIY project (Raspberry Pi, display) or low-cost hardware	Plug-and-play computer for a 4K TV
Features	Essential ham-specific data, maps & UTC clock	Extensive, high-resolution maps and overlays
Audience	DIY-minded operators	Operators wanting a turnkey solution

Both HamClock and Geochron require Internet access for overlays and live information panes





Lots of options for map customization

Projections:

Mercator

Azimuthal

Robinson

Globe

Styles:

DRAP

Aurora

Maximum Usable Frequency

Weather

Countries

Terrain

Night/Grayline

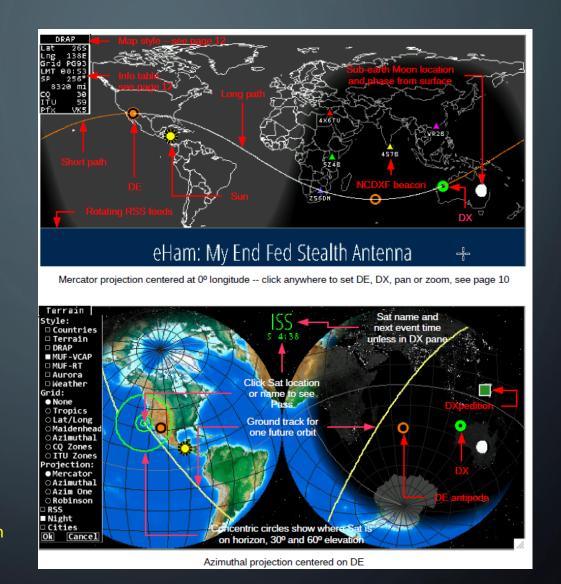
Overlays:

Maidenhead grid

CQ zones

ITU zones

Latitude and longitude lines
Tropics of Cancer and Capricorn
City lights



Hamclock Data Panes:

Operating Aids

DX Cluster

Dxpeditions (current and upcoming)

Contests (current and upcoming)

On the Air (POTA, SOTA, WWFF)

Live Spots (WSPRnet.org, PSKReporter.info, ReverseBeacon.net)

DXPeds DXNews NG3K	▼ 34
Tanzania	5H3DX
Rwanda	9X2AW
Palau	T88DF
Greenland	OX3LX
Micronesia	V63SC
Guam	KH2
Crete	SV9
Montserrat	VP2MAA

Live Spots of EM83 - PSK 15 mins						
160m	0	17m	0			
80m	0	15m	0			
60m	0	12m	0			
40m	40m 0 10m 0					
30m	1	6m	0			
20m	400	2m	0			
Counts						

Propagation Tools

Sunspot number

Solar Flux

Solar Wind

Aurora

Planetary K

X-Ray

DRAP (D-Region Absorption Prediction)

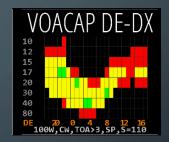
VOACAP

NOAA Space WX

Moon Phase

And there are several more!

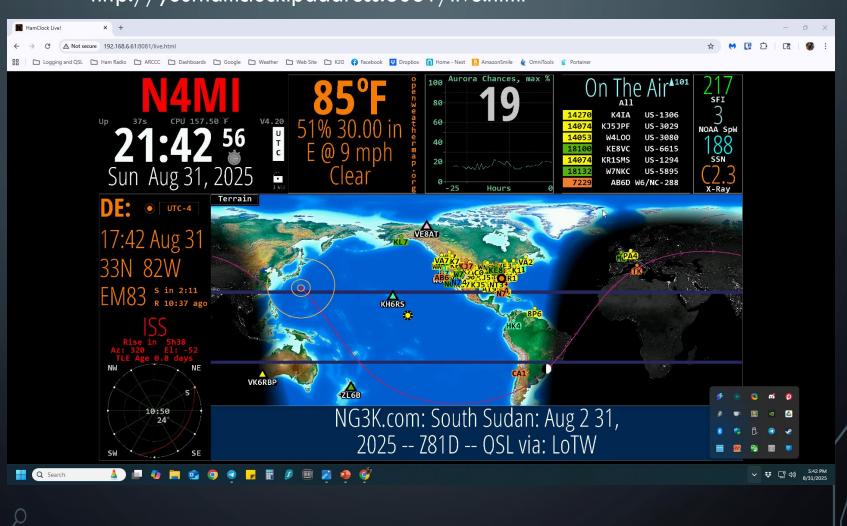






On The Air					
7205	N3LOU	US-10674			
7074	VE1NR	CA-0042			
7048	WR4P	US-2198			
14064	AF5DM	US-9805			
14044	VA3DXQ/V	CA-0464			
7006	JJ5GTF/5	JP-2051			
14074	K7CAR	US-4575			

HamClock Live! in a browser window (must be on the same network) http://yourhamclockipaddress:8081/live.html



Getting Started with a Raspberry Pi

Hardware: Raspberry Pi, display (monitor, TV, touchscreen), MicroSD card, power supply, HDMl cable, mouse/keyboard

- Ensure you have the correct peripherals and cables for your Pi version!
- A Raspberry Pi Zero 2W will work, but a Raspberry Pi 4 will be more responsive
- Read the User Guide on the HamClock web page before beginning!

Process:

- Download Raspberry Pi image and flash it to a SD card
- Assemble the hardware and ensure the Pi is running correctly
- Open a terminal, and follow the instructions located under the "desktop" tab here: https://clearskyinstitute.com/ham/HamClock/

It's that simple but read the FAQs and User Guide. There is a lot of customization available!

In addition to HamClock, you can use the Raspberry Pi to run other ham radio applications.







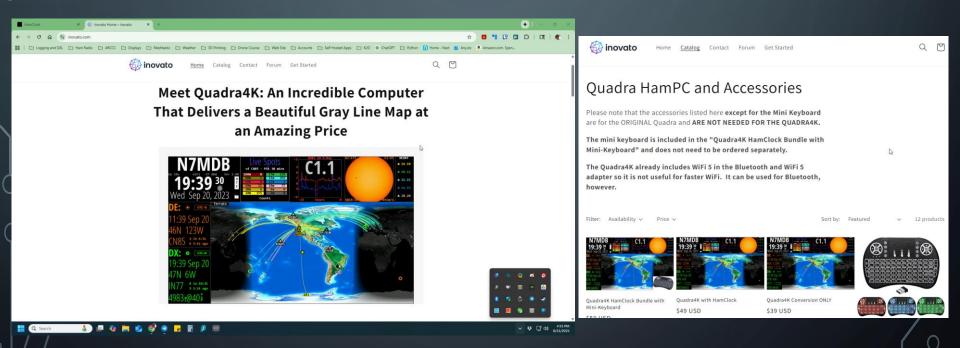






The (Slightly) Easier Way!

Inovato Quadra 4K



Mostly "plug and play" but requires some initial configuration



"Turnkey" <u>Inovato Quadra 4K</u> available for \$50-60

Software and documentation to "roll your own" on a Raspberry Pi at ClearSky Institute





Presentation



Hamclock

THANK YOU!!!
Dan Marshall (N4MI)

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 (DCC)
•	07-10-2025	ARCCC, Inc. BOD Meeting
•	07-12-2025	CSRAHamExams Exam Session
•	08-05-2025	ARCCC, Inc. General Meeting (East TN)
•	08-09-2025	CSRAHamExams Exam Session
•	08-09-2025	Florence, SC Tailgate (W4ULH)
•	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
•	09-20-2025	Ham & GMRS Radio Swap Meet & Tailgate
		1077 Union Hill Road, Salley, SC

UPCOMING EVENTS (4)



• 10-07-2025	ARCCC, Inc. General Meeting
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10-11-2025 CSRAHamExams Exam Session

• 10-11-2025 DFARG Hamfest/Swap Meet

(Dutch Fork Amateur Radio Group)

10-18-2025 ARCA Fall Tailgate

• 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

01-06-2026 ARCCC, Inc. General Meeting

• 01-10-2026 Greenwood Hamfest

02-03-2026 ARCCC, Inc. General Meeting

ARCCC, Inc. Upcoming Presentations



- 10-07-2025 Hamclock
- 11-04-2025 AR | DC (Amateur Radio Digital Communications)
- 02-03-2026 Ropes and Knots

MEMBERSHIP APPLICATIONS



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

ARCCC, INC. MONTHLY REPORTS



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Treasurer's Report

- Update from Treasurer
 - October 2025 Update

Secretary's Report for September 2nd, 2025 meeting:

<u>09-02-2025 Meeting Minutes</u>

ARCCC Monthly Financial Summary			
September 2025			
ARCCC Accounts	Amount		
South State Bank	\$2,058.25		
PayPal	\$1,602.71		
Petty Cash - Treasurer	\$0.00		
Balance as of 9/1/25	\$3,660.96		
Expenditures	\$11.99		
Membership Renewals	\$72.52		
Other Receipts / Deposits	\$0.00		
Balance as of 9/30/25	\$3,721.49		
Less Commitments			
2025 Approved Budget as amended	-\$3,347.00		
Expenditures thru 9/30/25	\$2,161.47		
TOTAL AVAILABLE FUNDING	\$2 525 06		

KROGER COMMUNITY REWARDS



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

\$10.22 Received!!!









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/arcccinc
- 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:

Rank Statistics: (Active Members)

Member 91 Trustee 1 Officer 5 Total 97

Member Types Statistics: (Active Memberships)

 Family Membership
 3

 Family Membership (Free)
 5

 Full Membership (Examination Waiver)
 1

 Full Membership (Examination Waiver)
 1

 Full Membership (Free)
 2

 Honorary Membership
 1

 Life Membership
 14

 Total
 96

Pending Applications:

 Name
 Status
 Application Date

 Kevin White KQ4FQN
 Pending Membership 2025-09-13 21:00:50

 Tanner H Beveridge KK4KYT
 Pending Membership 2025-09-16 23:35:02

 Gary N Forberg KR4GUA
 Pending Membership 2025-10-04 19:32:25

Members Expiring Soon:

Name Callsign Expire Date
DONALD E DRZEWOSZEWSKI WB2WEO 2025-10-04

Members with Invalid E-Mail Addresses:

 Name
 Callsign
 E-Mail

 JOHN T CARTER II
 KJ4MC
 kj4mc@arrl.net

 DONALD DRAWDY
 NOFBV
 n0fbv@knology.net

Members with Expired Licenses:

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

Members without a Membership:

Name Callsign Join Date Gilberto Fernandez Carrillo W7NCO 2025-06-03

New Members: (Last 90 Days)

Name Callsign Join Date
Rebecca E Key KO4KVG 2025-08-06



 Benjamin K Greve
 KO4KVH
 2025-08-06

 Gregory K Moffatt
 KR4FJF
 2025-08-06

 WILLIAM J TREZZA
 K4KBT
 2025-09-02

Inactivated Members: (Last 90 Days)

Name	Callsign	Remove Date	By
Randy A Dunaway	KN4CAX	2025-07-20	(HCOL SYSTEM)
Camilla B Reid	K2CBR	2025-07-27	(HCOL SYSTEM)
David E Reid	K2ECC	2025-07-27	(HCOL SYSTEM)
Robert L Reeder	KO4WWG	2025-07-20	(HCOL SYSTEM)
RYAN T REEDER	KQ4AWB	2025-07-21	(HCOL SYSTEM)
Stacey M Sharp Jr	KK4RFL	2025-07-23	(HCOL SYSTEM)
JOHN S TRANSUE SR	NV3U	2025-09-13	(HCOL SYSTEM)
Charles E Messick Sr	KN4EPG	2025-07-28	(HCOL SYSTEM)
JAMES N KELLY	WX4JNK	2025-09-10	(HCOL SYSTEM)

New Memberships: (Last 90 Days)

Name	Callsign	Membership Type	Amount	Start Date	End Date	Poster	Post Date
Cindy M Cunningham	KM4DBA	Family Membership	\$50.00	2025-07-08	2027-07-07	Cindy M Cunningham	2025-07-09
LEROY W FREEMAN JR	WA4YJD	Full Membership	\$25.00	2025-07-29	2026-07-28	LEROY W FREEMAN JR	2025-07-28
RAYMOND C GANNAWAY	KJ4HZ	Family Membership	\$25.00	2025-09-25	2026-09-24	RAYMOND C GANNAWAY	2025-07-31
Stephen H Collins	W4WHS	Full Membership	\$25.00	2025-08-02	2026-08-01	Stephen H Collins	2025-08-02
Rebecca E Key	KO4KVG	Full Membership	\$25.00	2025-08-04	2026-08-04	Rebecca E Key	2025-08-04
Benjamin K Greve	KO4KVH	Full Membership	\$25.00	2025-08-05	2026-08-05	Benjamin K Greve	2025-08-05
Richard S Sturgis	KR4XN	Full Membership	\$25.00	2025-07-15	2026-07-14	Shannon M Welsh	2025-08-05
Robert S Reeder	WW4ZT	Full Membership	\$25.00	2025-08-06	2026-08-06	Robert S Reeder	2025-08-06
WILLIAM J TREZZA	K4KBT	Full Membership	\$25.00	2025-08-07	2026-08-07	WILLIAM J TREZZA	2025-08-07
ERIC J CAGLE	KK4ZHT	Full Membership	\$50.00	2026-03-08	2028-03-06	ERIC J CAGLE	2025-09-03
RICHARD 'TERRY' T BURTON	W4ALK	Full Membership	\$25.00	2025-09-25	2026-09-25	RICHARD 'TERRY' T BURTON	2025-09-25
ANDREW H BREJDA	KA5VLY	Full Membership	\$25.00	2025-10-04	2026-10-03	ANDREW H BREJDA	2025-10-03

<u>Club</u> <u>Mair</u>

Club Menu Main Menu Logoff



Business Items



- Annual Awards and Holiday Party in December
 - Tuesday, December 2, 2025 confirmed on 08-05-2025
 - We have had a suggestion to have the 2025 ARCCC, Inc.
 Annual Awards Dinner and Holiday Party at
 - 2 Boys Pizza & Grill

3851 Evans to Locks Road, Martinez, GA 30907







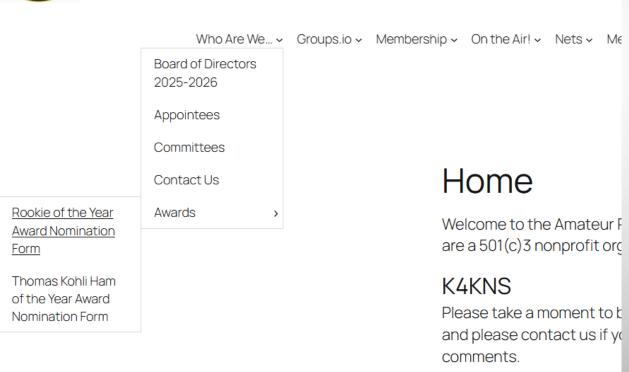
- Nomination Committee
 - Responsibilities
 - Rookie Ham of the Year Award
 - Thomas Kholi Ham of the Year Award
 - Elections

- Jim Cunningham (KV4YA) Co-Director
- Randall Blumberg (KN4FYG) Co-Director



Rookie Ham of the Year Award

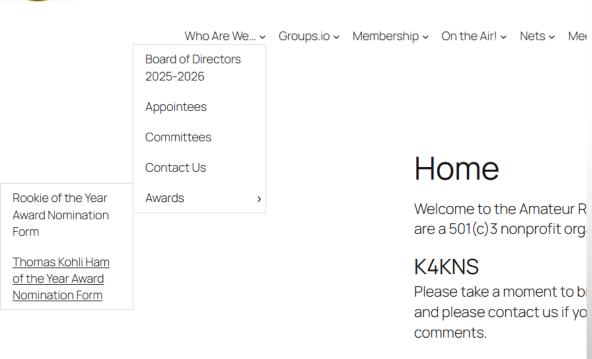






Thomas Kholi Ham of the Year Award





ARCCC, INC. MEMBERS

COMMITTEES

BOD



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)



- Fund Raising Committee
 - Pull out your tickets!!!

Fund Raising Ideas are Welcome!



- Bylaws/Nominations Committee
 - Jim Cunningham (KV4YA) Co-Director
 - Randall Blumberg (KN4FYG) Co-Director



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



- Outreach Committee
 - Dan Marshall (N4MI) Co-Director
 - Randall Blumberg (KN4FYG) Co-Director



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



- IT Committee
 - Rusty Welsh (KG4HIR) Co-Director
 - Randall Blumberg (KN4FYG) Co-Director
 - Eric Cagle (KK4ZHT)
 - ARCCC, Inc. Phone System
 - Request approval for \$35.82 in 2025 to cover the Phone
 System End Point Manager Updates
 - » \$35.82 will be added to the annual budget for future approval

HAMSHACK HOTLINE



Hamshack Hotline – Sunset as of 08-29-2025

Hamshack Hotline Public Announcement – A Fond Farewell

To our valued Hamshack Hotline community,



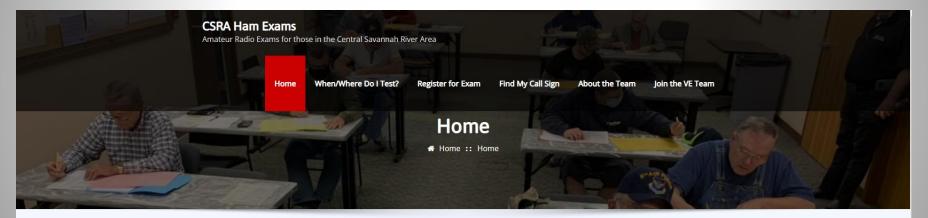
It is with a heavy heart that we announce the sunset of the Hamshack Hotline project, effective **August 29th**, **2025**.

What began in 2018 as a simple idea in the humble closet of K1WIZ quickly grew into something none of us could have imagined—an expansive, global communications network built by and for amateur radio operators. From those early beginnings, Hamshack Hotline evolved into a robust VoIP system supported by multiple servers around the world, with **over 7,000 interconnections** at its peak.

This incredible journey was made possible by the generosity of donors worldwide and the tireless



- Examinations
- CSRAHamExams.com



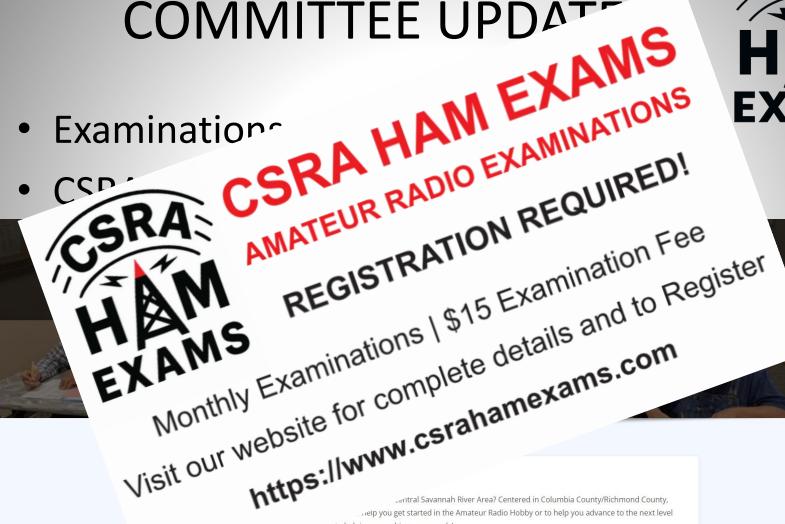
Welcome to CSRA Ham Exams.com!

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.



Examinations



https://www.csrahamexams.com

a to helping you achieve your goals!

epared to take an exam with the CSRA Ham Exams Team please follow the instructions on .../www.csrahamexams.com/when-where-do-i-test/ webpage.



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



- Field Day Committee
 - Edwin Davis (KQ4SRF) 2025-2026 Sr. Co-Director
 - Dan Marshall (N4MI) 2026-2027 Jr. Co-Director
 - To Join the Field Day Committee
 - You must join via Groups.io
 - https://arcccinc.groups.io/g/fieldday/topics



Edwin (KQ4SRF)



Dan (N4MI)

DID YOU KNOW...



Your Logbook WAS Account (K4KNS)

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
<u>20M</u>	42	0	0	42
<u>15M</u>	32	0	0	32
<u>10M</u>	19	0	0	19
CW	33	0	0	33
Phone	48	0	0	48
<u>Digital</u>	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

- The ARCCC, Inc. is only 1
 State Away from WORKING
 ALL STATES!
- ALASKA
- NEW MEXICO 06-29-2025!





ARCA General Meeting

October 21, 2025 7:00 PM - 8:00 PM POB-1 Building 1305 Interstate Parkway Augusta, GA 30906

North Augusta - Belvedere Radio Club



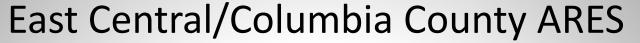
NABRC General Meeting

October 13, 2025 7:00 PM - 8:00 PM

Aiken Regional Medical Center 302 University Pkwy, Aiken, SC 29801 Floor 6, Classroom A

North Augusta Public Safety Station 2 501 W Five Notch Road North Augusta, SC 29860

K4NAB.org







Susan Messick, WA0B

East Central District Emergency Coordinator
Columbia County GA ARES Emergency Coordinator

David Slabodnick, KO4LDS

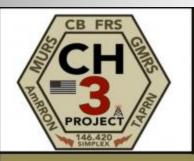
Columbia County GA ARES Assistant Emergency Coordinator

David Corsiglia, WA6TWF

Columbia County GA ARES Assistant Emergency Coordinator







AmRRON



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

REVIEW



Review motions and assignments

 We would welcome your presentations and ideas for presentations.

Is there a motion to adjourn the meeting?



THANK YOU!!!