INVOCATION

MEETING AGENDA

- Welcome & Introductions
- Presentation: Eric Baksin (KC9ASC)
- 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 <u>PRINT</u> Legibly

- Introductions
  - <u>QUICKLY</u> Go Around the Room and Provide Your Name and Call Sign

Presentation

Eric Baksin (KC9ASC)

Introduction to Digital Mobile Radio (DMR)

Presented by: Eric Baksin KC9ASC

Digital Mobile Radio (DMR)

- Digital Mobile Radio is a technology that use 12.5 kHz channel spacing and Time Division Multiple Access (TDMA) which is allows more than one use to use a frequency.

- Similarly when you have a room of wireless devices everyone is still able to use the frequencies and traffic is routed to and from it's appropriate destination. Instead of using IP addresses your radio has an ID number associated with your call sign, this unique call sign will route all traffic you want to hear to your radio.

How does all this work?

- An RF signal from an HT or Mobile radio connects to an RF hotspot.
- The RF hotspot is connected to the internet and allows a radio to connect to a network of other radios.
- A unique radio ID lets the radios communicate with a group call or a private call. (The group call is is like talking to a group of people while a private call is point to point.)
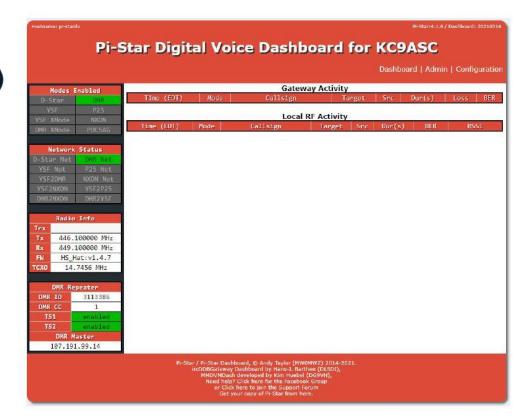
Raspberry Pi, MMDVM "Hotspot"

- Open Spot
- DV Mega
- RF Finder
- Raspberry Pi with an MMDVM board
- All different brands, different vendors, but they all serve the same purpose.

RadioID.net

- Before you begin to configure any of the hotspots or software make sure you register your call sign with the RadioID.net website so you can receive your DMR ID number.
- You will need this ID number in order for you to create your code plug for your radio.
- What's a code plug? That's the file that contains all of your talk groups and ID numbers you wish to communicate with.
- You'll want to register your call sign for all digital modes so your voice will be heard on all modes even if you don't plan to use them.
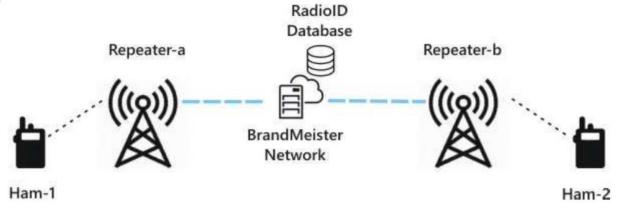
Multi-mode (MMDVM)

- D-Star
- DMR
- YSF
- P25
- NXDN
- Others

DMR Networks

- Brandmeister
- TGIF
- C-Bridge
- DMR Plus
- Many Others

Support Multiple Users & Multiple Digital Modes

Multiple ham radio operators can use the repeater at the same time by using different talkgroups.

Unlike on an analog repeater if one person is transmitting the frequency is in use and no one else will be able to talk. (You can use different talk groups on the same frequency.)

Think of public safety having multiple dispatchers on different talkgroups but everyone is using the same repeater.

Hotspots vs. Repeaters

- The goal of using a hotspot is not to replace a repeater, but to extend the coverage area.
- Your hotspot allows you to talk to people across the digital networks if you are out of the coverage area of a local repeater.

Why use the TGIF Network?

- Personally, I chose the TGIF Network over other networks because of popularity.
- I noticed the majority of TGIF talkgroups were english speaking.
- TGIF allowed multimode flexibility and linking of other modes to their talkgroups.

Talkgroup Description

This talk group is for DMR users in and around the Central Savannah River Area (CSRA) to connect, talk and share local information. All amateur radio operators are welcome.

Talkgroup Trustee

Callsign: KC9ASC

Contact Details: ebaksin@gmail.com

CSRA Multimode Tech Net
Every Saturday at 8PM ET

146.985 71.9 PL Tone K4KNS Repeater Analog FM or K4KNS-R via Echolink

145.350 156.7 PL Tone N2ZZ Repeater or N2ZZ via Echolink

N2ZZ Brandmeister DMR Repeater TG 314722 South East Link

Wrens DMR Repeater TG 3144722 South East Link

TGIF Network TG 43389

LMARC.NET

Look for our Facebook Group CSRA Multimode Tech Net & our TGIF TG 358 CSRA Talk

Presentation

Thank You Eric Baksin (KC9ASC)

UPCOMING EVENTS

- 08-12-2023   CSRA Ham Exams Session
- 08-14-2023   NABRC Meeting (Aiken Regional Hospital)
- 08-15-2023   ARCA General Meeting
- 08-19/20-2023   Huntsville Hamfest
- 09-02-2023   Shelby Hamfest
- 09-05-2023   ARCCC General Meeting
- 09-07-2023   ARCCC BOD Meeting
- 09-11-2023   NABRC Meeting (NA Public Safety Station #2)
- 09-14-2023   NABRC Exam Testing
- 09-19-2023   ARCA General Meeting
- 10-03-2023   ARCCC General Meeting
- 10-07-2023   Rockhill Hamfest
- 11-04-2023   Stone Mountain Hamfest

MEMBERSHIP APPLICATIONS

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

ARCCC, INC. MONTHLY REPORTS

Treasurer's Report

- Update from Treasurer

Secretary's Report for June 6th, 2023 meeting:

- [06-06-2023 Meeting Minutes](06-06-2023%20Meeting%20Minutes)

Amateur Radio Club of Columbia County

Printed on 7/29/2023
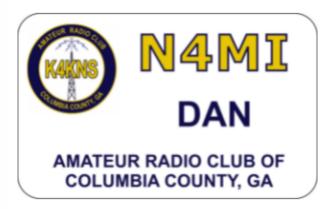
CHECKBOOK SUMMARY

ARCCC ACCOUNTS	AMOUNT
7513 - Main Account	$ 4,922.99
4913 - Pay Pal Account	$3,490.00
Pending Transfer from PayPal	$ 834.86
Petty Cash - Treasurer	$160.00
Petty Cash - Asset Committee	$0.00
Pending Deposit - Checks	$0.00
Pending Deposit - Cash	$0.00
TOTAL AMOUNT	**$9,407.85**
Less Commitments	
2023 Budget	($2,479.99)
HT Radio Purchase	($200.00)
TOTAL AVAILABLE FUNDING	**$6,727.86**

Club Callsign Badges

Amateur Radio Club of
Columbia County, Ga
Name Badge

N4MI

DAN

AMATEUR RADIO CLUB OF
COLUMBIA COUNTY, GA

ARC of Columbia County, Ga
Badge price $12.50

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.**

- **Groups.io**
  - **https://groups.io/g/arcccinc**

HamClubOnline - Club Self-Check (ARCCC)

Member Statistics:

Active Members	108
Expiring Soon Members	2
Inactive Members	20
Non-Members Affiliates	0
Total	**135**

Rank Statistics: (Active Members)

Member	104
Trustee	1
Officer	5
Total	**110**

Member Types Statistics: (Active Members)

Family Membership	13
Family Membership (Free)	1
Full Membership	69
Full Membership (Active Military)	2
Full Membership (Examination Waiver)	5
Full Membership (Free)	3
Honorary Membership	2
Life Membership	15
Total	**110**

Members Expiring Soon:

Name	Callsign	Expire Date
Stephen H Collins	W4WHS	2023-07-26
William G Holden	KM4LOZ	2023-07-25

New Members: (Last 90 Days)

Name	Callsign	Join Date
Keith A Conner	KQ4HDN	2023-05-02
MARC R WOODWORTH	KR4QT	2023-05-02
Michael R Girosky	KQ4IVE	2023-06-06
JAMES N KELLY	WX4JNK	2023-06-06

Inactivated Members: (Last 90 Days)

Name	Callsign	Remove Date	By
Charles R Dedrickson II	KO4LDT	2023-07-14	(HCOL SYSTEM)
DONALD E DRZEWOSZEWSKI	WB2WEO	2023-07-14	(HCOL SYSTEM)
Casper Fagerberg	KO4DQI	2023-07-14	(HCOL SYSTEM)
ROBERT E HUNTER	KC4KPN	2023-07-14	(HCOL SYSTEM)
YEVGENY KILMAN	NU2P	2023-07-14	(HCOL SYSTEM)
Angela E Nave	WA4HKE	2023-07-14	(HCOL SYSTEM)
Andrew J Owen	KO4WWF	2023-07-14	(HCOL SYSTEM)
Terrel J Spears	NW4G	2023-07-14	(HCOL SYSTEM)
Timothy Stein	KO4WWI	2023-07-14	(HCOL SYSTEM)
JOHN S TRANSUE SR	NV3U	2023-07-14	(HCOL SYSTEM)
HOWARD R WEEKS	K5JCP	2023-07-14	(HCOL SYSTEM)
Louis E West	K4HNH	2023-07-14	(HCOL SYSTEM)
Mark C Wilson	KO4OQL	2023-07-14	(HCOL SYSTEM)
Paul L Bennett	N4LXB	2023-07-22	(HCOL SYSTEM)
Corbin R Cooney	KO4OQD	2023-07-14	(HCOL SYSTEM)
James R Embry	KD4CK	2023-07-14	(HCOL SYSTEM)
Richard L Garbade	KO4ZXL	2023-07-14	(HCOL SYSTEM)

DENNIS P MORIARTY   K8AGB   2023-07-19   (HCOL SYSTEM)
Laura Robertson   KO4DFJ   2023-07-14   (HCOL SYSTEM)
Charles E Messick Sr   KN4EPG   2023-07-29   (HCOL SYSTEM)

New Memberships: (Last 90 Days)

Name	Callsign	Membership Type	Amount	Start Date	End Date	Poster	Post Date
Michael J McCoy	K4ECL	Full Membership	$25.00	2023-04-25	2024-04-23	Michael J McCoy	2023-05-21
JAMES N KELLY	WX4JNK	Full Membership	$25.00	2023-05-22	2024-05-21	JAMES N KELLY	2023-05-22
Cindy M Cunningham	KM4DBA	Family Membership	$25.00	2023-07-09	2024-07-07	Cindy M Cunningham	2023-05-30
Michael R Girosky	KQ4IVE	Full Membership	$25.00	2023-06-01	2024-05-31	Michael R Girosky	2023-06-01
JOHN FLOWERS JR	K4ZMR	Full Membership	$100.00	2023-07-26	2027-07-24	JOHN FLOWERS JR	2023-06-07
Mark T Sisson	KO4OQK	Family Membership	$25.00	2023-03-23	2024-03-21	Mark T Sisson	2023-06-07
Sean K Stanley	KM4NSG	Family Membership	$25.00	2023-05-26	2024-05-24	Sean K Stanley	2023-06-24
Walter A Brumbeloe	W4EFS	Full Membership	$25.00	2023-07-09	2024-07-07	Walter A Brumbeloe	2023-06-26
Robert L Reeder	KO4WWG	Full Membership	$25.00	2023-07-14	2024-07-13	Robert L Reeder	2023-07-14
Randy A Dunaway	KN4CAX	Full Membership	$25.00	2023-07-14	2024-07-13	Randy A Dunaway	2023-07-14
David E Reid	K2ECC	Full Membership	$25.00	2023-07-14	2024-07-13	David E Reid	2023-07-14
Camilla B Reid	K2CBR	Full Membership	$25.00	2023-07-14	2024-07-13	Camilla B Reid	2023-07-14
MICHAEL W SCHAEFER	NY3Y	Full Membership	$25.00	2023-07-14	2024-07-13	MICHAEL W SCHAEFER	2023-07-14
Richard S Sturgis	KR4XN	Full Membership	$25.00	2023-07-16	2024-07-14	Richard S Sturgis	2023-07-17

1. Club Menu
2. Main Menu
3. Logoff

COMMITTEE UPDATES

Directors provide <u>QUICK UPDATES</u> 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

COMMITTEE UPDATES

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

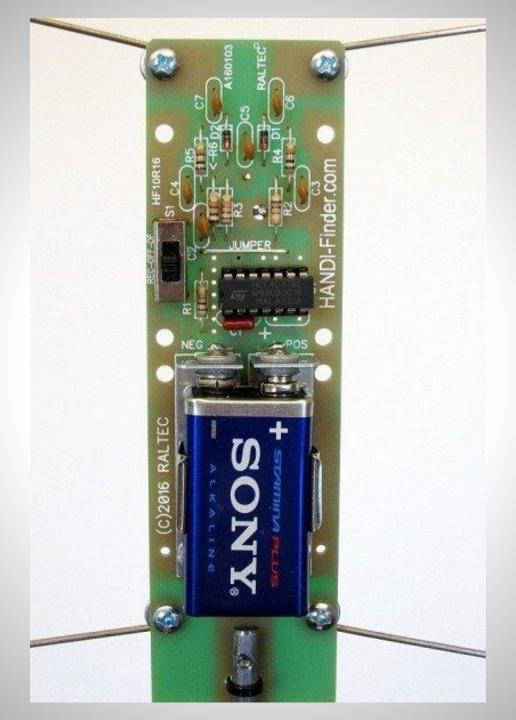# COMMITTEE UPDATES

- Mentoring Committee
  - CHIRP Programming Workshop (07-15-2023)
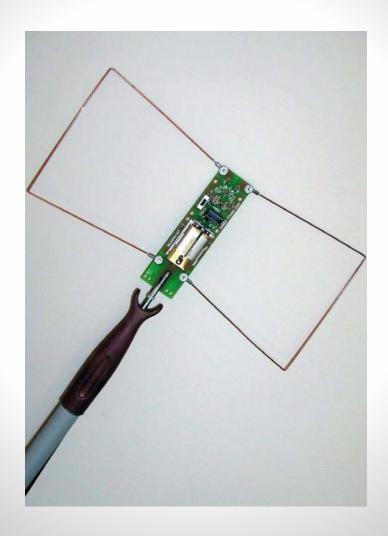 - HANDI-Finder Workshop Poll

COMMITTEE UPDATES

- Mentoring Committee
  - HANDI-Finder Workshop Poll
    - https://handi-finder.com/
    - $29.95 + S+H
    - Kit
    - 45-450 MHz
    - Soldering, general assembly skills, and patience ARE required
    - Estimated 2 Hours
    - Needs
      - Coat Hanger Wire or Similar
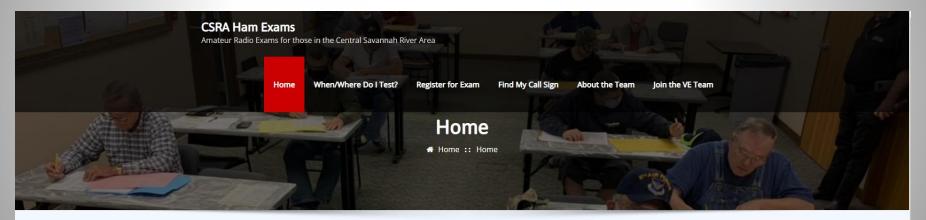   - 50 Ohm Coax
      - Handle

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COMMITTEE UPDATES

- Examinations

- CSRAHamExams.com

COMMITTEE UPDATES

- Bylaws Committee
  - Article IV VE SPONSORSHIP Removal

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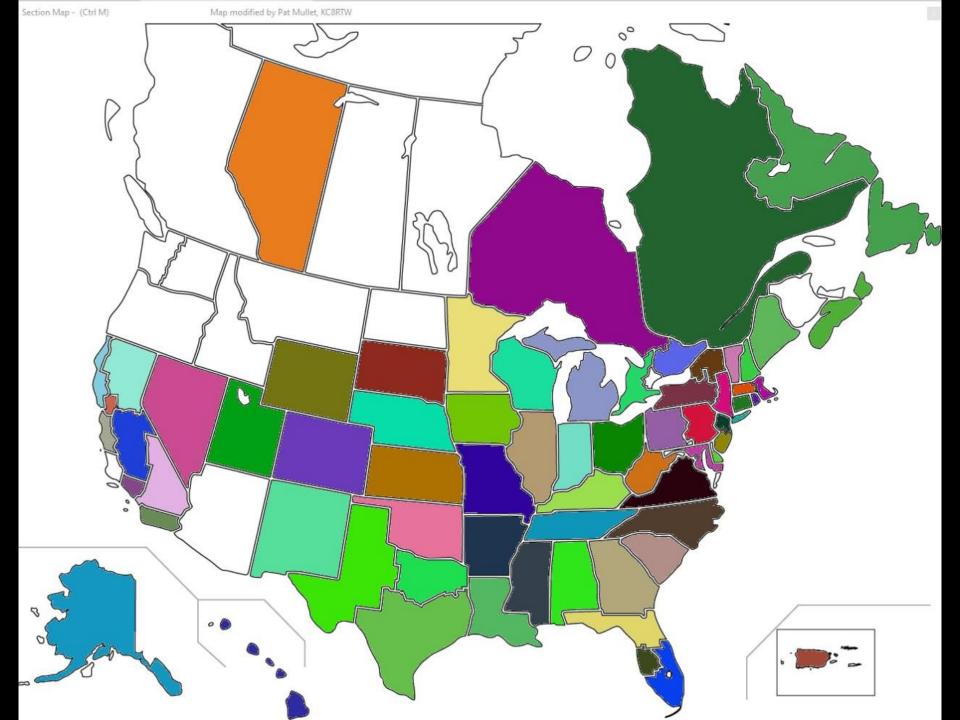
- Fund Raising Committee
  - Pull out your tickets!!!

COMMITTEE UPDATES

- Field Day After Action Review

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Total Contacts by Operator:

Operator        Total          %
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KK4MED            60           20
KM4DBB            55           19
KQ4AWB            39           13
KO4UWM            28           10
KR4QT             24            8
KN4FYG            16            5
KO4LDS            15            5
K1OYQ             14            5
KM4NSF            13            4
WK4F              13            4
KO4QLC             7            2
N4MI               6            2
KN4RVU             3            1
KO4WWG             1            0


Total = 14
```

12 V ⎓   🎧 1   🎧 2   🎧 3   🎧 4   INPUT

behringer

Micro AMP HA400

ULTRA-COMPACT 4-CHANNEL STEREO HEADPHONE AMPLIFIER

ON   LEVEL 1   LEVEL 2   LEVEL 3   LEVEL 4

0   10

12 V ⎓   🎧 1   🎧 2   🎧 3   🎧 4   INPUT

ON

behringer Micro AMP HA400

ULTRA-COMPACT 4-CHANNEL STEREO HEADPHONE AMPLIFIER

COMMITTEE UPDATES

- Would the ARCCC, Inc.
Members like to Participate in
Field Day for the year 2024?

COMMITTEE UPDATES

- 2 New Field Day Co-Directors
Need to be picked now

COMMITTEE UPDATES

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Amateur Radio Club of Augusta

ARCA July General Meeting
July 15, 2023 7:00 PM - 9:00 PM
POB-1 (formerly H2U) Building

W4DV.club

North Augusta - Belvedere Radio Club

NABRC August 2023 General Meeting
August 14, 2023 7:00 PM - 8:00 PM
Aiken Regional Medical Center
302 University Parkway, Aiken, SC 29801

K4NAB.org

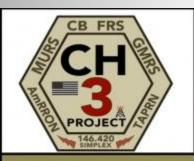# East Central/Columbia County ARES

Susan Messick, WA0B
Columbia County GA ARES EC

AmRRON

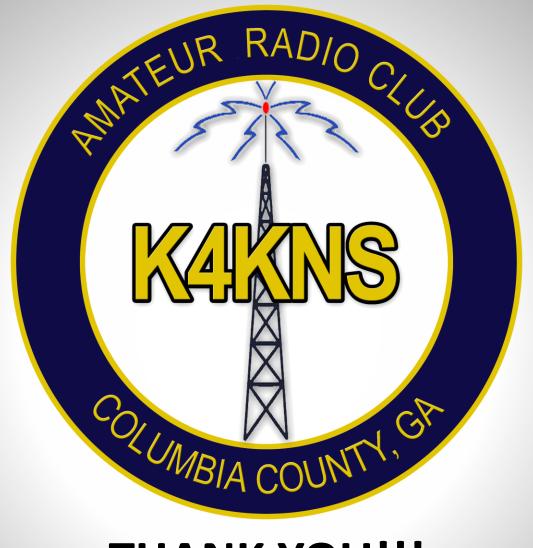The American Redoubt Radio Operators Network and The American Preparedness Radio Network (TAPRN)

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!!!