

News Beacon

Medina County Amateur Radio Club

Editor's Preface

"I propose that, as of today, do not keep anything for a special occasion, because every day that you live is a special occasion. Search for knowledge, read more, sit on your front porch and admire the view without paying attention to the needs. Pass more time with your family, eat your favorite food, visit the places that you love. Life is a chain of moments of enjoyment; it isn't only survival."

Anonymous, as printed in *Farm and Dairy*
by Judith Sutherland 10/26/2023

In my Mom's later years, every time I visited, I extracted a lovely antique figurine or piece of glassware from the back of a dusty cupboard, and displayed it prominently in her living room for her to enjoy. Being a product of the Great Depression and stormy fate, she squirreled away small things purchased at times when money was not so tight. But lest they break, she lovingly tucked them away for a special occasion that never came.

We sometimes tuck relationships in the back of our minds, intending to call a distant family member, or write a note of thanks, or invite a friend to dinner "when we have more time." These forgotten thoughts often surface when writing out Christmas cards, as we vow to connect "after the holidays are over."

Perhaps you plan on becoming more involved in MCARC when your schedule permits. There is no better time than the present.

May the abundance of the season shower you and your family with blessings.

73 & Happy Thanksgiving,

Jane@K8JGR.radio



Inside this issue

- October 9th Minutes2
- Nominations3
- Ping Pong Balls4
- Calendar5
- Keith Michal WOAHA(SK)....6
- November 13th Meeting7
- Dits & Dahs8
- Final Repeater Chart.....9
- Who We Are.....10
- What We Do.....11



Hmmmmmm...

How does a Ham Radio buff send a break-up message?

...Remorse Code



October In-Person General Meeting Minutes

The monthly General Meeting, was held October 9th, 2023, in-person at the Medina County Senior Center. The meeting was called to order by President.

The Pledge of Allegiance was recited at 7:02 pm. The following fifteen (15) paid members attended, so quorum (9) was reached. All members stated their names and call signs.

Secretary's report: Ed asked if there were corrections or comments about the previous month's minutes as published, and as none were heard, the September minutes were accepted as presented.

Treasurer's Report: September report was read by Ed K8NVR. Motion to accept was made by Diane KD8SSX, seconded by John K8JEK . Approved.

ED K8NVR	Fred K8FH	Steve KE8BJD	John K8JEK
Diane KD8SSX	Doug KD8SST	Gail KD8GGM	Dave KE8APO
Amy K2KSU	Baji K8IIT	Jane K8JGR	Jim KD8FHY
Dave NK0K	Tamara WA8KGV	Lou WA8DBP	

President's Report: *Ed K8NVR stated that the Club received a couple donations of equipment: FT817 and Astron RS-12A which will be sent out on the Club email distribution for bid.

*Newsletter articles are always needed. Send to Jane K8JGR. *Elections are next month.

We have candidates for all positions except Treasurer. Dave (KE8APO and current Secretary) stated that he would be willing to run as Treasurer if someone else would run for secretary. *Ed mentioned that 10m (daytime) is very active right now as well as 12m and 15m. There are a couple DX expeditions right now. Dxworld is a good source for info on these as well as QST magazine. *The Career Center (JVS) has been reserved for all of 2024, although we will still use the Senior Center during summer months. JVS has been very accommodating and we can always book the room for extra training sessions.

Repeaters: Ed K8NVR reported the south input (Lafayette tone 88.5) is now the main repeater. Brunswick (tone 131.8) is now input only. Plan is to arrange tower work to replace 2m antenna and add 220 antenna and have a spare antenna available. Battery backup and duplexer mount will be installed shortly. Long term we may convert the JVS site to another linked input to ensure best county coverage.

Vice President's Report: *Jane K8JGR asked if any members attended the Cleveland Hamfest. Ed and a few others attended and said there was a lot of equipment and attendees. Ken K8TV won the grand prize (IC7300). *Jane referred to a newsletter article (also on ARRL website) regarding the Oct 14 Eclipse QSO party. *At our November Annual Meeting she will go over our Club financials. *The Club Facebook page has been hacked, however the W8EOC.org website is working fine. *A long time club member with mobility issues was looking for help with an antenna installation. However it would need to be stealth and a discussion took place that options would be very limited. *Jane also shared that she reconnected her Kio Hex antenna cabling, has used her 6m element for the first time, and installed the Solar and UV modules on her weather station.

Announcements & Comments: Baji K8IIT asked if the location of the antenna on the tower can affect performance on the opposite side of the tower. Ed explained that would be some loss, but likely not significant, as long as the antenna itself is spaced a few feet from the tower.

Adjournment: The meeting was adjourned at 7:35pm and was followed by two videos explaining the basics of antenna theory.

Respectfully submitted by Dave KE8APO

2024 Nominations/ Election

Here are the nominations for the 2023 MCARC Trustees/Officers to date. Remember, you may nominate yourself, or another member up to the time of the **election**, held at the **November 13 Annual Meeting**.

Please consider filling in the open positions. Contact Diane KD8SSX, our Elections Chair, d.snider19@yahoo.com, with your intention.

NOMINATIONS:

For President (one-year term): Toby Kolman WT8O

Withdrew

For President (one-year term): Jane Reed K8JGR

President of MCARC from 2019-2022

Vice president MCARC 2023

Newsletter Editor MCARC from 2018 to present

Website designer and maintenance from Sept 2018 to present

For Vice President (one-year term): Ed Eyerdom K8NVR

Spent many, many terms as President, Vice President, Trustee, and Repeater Guru of MCARC.

For Treasurer (one-year term): OPEN

For Secretary (one-year term): Dave Swancer KE8APO

Secretary of MCARC 2021 to present

Trustee of MCARC 2019

For Trustee (two-year term): Dave Oravec N8JNX

Trustee of MCARC 2020 to present.

For Trustee (one-year term): Steve Stein KE8BJD

Experience cofounding chapters and leading several other organizations including international groups. Retired Lieutenant Colonel, Civil Air Patrol, 25 years service including teaching Basic and Advanced Radio Operator training. BA in Mass Communications. Retired from 30 years in video communications. Licensed ham in 2015. Serves in Medina County EMS's Comms Unit. Trustee of MCARC from Would like to help MCARC grow by encouraging young blood to enter the hobby.

For Trustee (two-year term): Diane Snider KD8SSX

Vice President of MCARC 2020

Membership Chair & Sunshine Chair of MCARC 2021 to present

For Trustee (two-year term): Amy Panchumarti K2KSU

Master's degree in Leadership, 40 years teaching, Jennings scholar, Walmart Teacher of the Year, Miss America Teacher of the Year finalist, General Amateur radio license, Rotary Youth Exchange Student (Most Outstanding) to India, KSU Honors College Graduate. Trustee of MCARC from 2020 to present.



Scientists Find an Awesome Practical Use For Ping Pong Balls

If you find yourself bothered by low-frequency urban sounds – think traffic, aircraft, and the other rumbles of the city – then the humble ping pong ball offers a low-cost way of blocking it out, a new study proves.

Low-frequency noise is known to be bad for our health, but it's also difficult to block out. It's often coming from multiple directions, and isn't blocked by walls and structures in the same way that high-frequency noise is.

To combat low-frequency noise, researchers from the University of Lille in France and the National Technical University of Athens in Greece used ping pong balls as Helmholtz resonators; containers specially designed to absorb certain sound frequencies.

Named after the German physicist who made the original Helmholtz resonator, Hermann von Helmholtz, the devices consist of an empty chamber, like a ping pong ball, with a small opening.

"Ping pong balls are well-known, everyday objects, present in large numbers all over the world," says physicist Robine Sabat from the University of Lille.

"Our motivation was to use these easily accessible objects to create a low-frequency insulating panel structure. Ping pong balls therefore present an economical alternative to acoustic insulators for both low cost and potential recycling."

As the name suggests, Helmholtz resonators work through resonance, matching the oscillations of sound waves in order to absorb them. The volume of the container and the size of the opening determine the frequency of sound the resonator can absorb.

While Helmholtz resonators have been extensively studied before, the researchers wanted to look at how they might work and interact when they were combined to form an acoustic metasurface; materials specially engineered to manipulate sound waves in different ways.

This combining or coupling was shown to increase the number of resonance frequencies absorbed by the ping pong ball acoustic metasurface. In other words, more sound could be blocked by using multiple Helmholtz resonators together.

"The Helmholtz resonator has the unique ability to capture ambient sound waves precisely at its natural frequency and can be represented as cavities connected to their environment via a narrow neck," says Sabat.

"The originality of the work was to consider the effect of the coupling between two resonators, leading to the occurrence of two resonance frequencies."

Using a combination of mathematical modeling and actual experimentation, the researchers showed the way multiple HRs interact with each other can be manipulated to control the sound frequencies that get blocked.

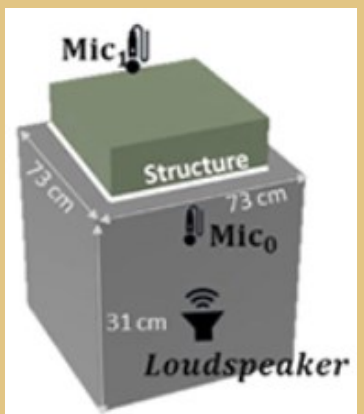
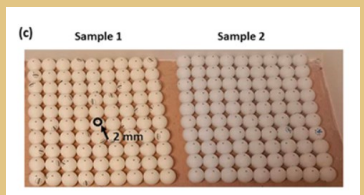
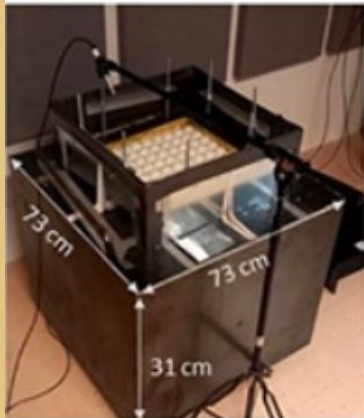
And while there wasn't any extensive field testing of ping pong balls blocking specific noises, there is potential for these ubiquitous and affordable objects to be used in protecting against noise pollution – and more.

"The potential of this metasurface extends beyond sound insulation," says Sabat. "It can be broadened to achieve various functions similar to other metasurfaces."

"These functionalities encompass sound focusing, unconventional sound reflection, sound transmission manipulation, and more."

The research has been published in the *Journal of Applied Physics*.

ScienceAlert.com, October 13, 2023, By David Nield



The team experimented with different arrays of ping pong balls. (Sabat et al., *Journal of Applied Physics*, 2023)

Club Meetings

The MCARC General Meeting for November will be held in at the Medina County Career Center (JVS), Room 246.

The Medina County Career Center (JVS), is located at: 1101 W Liberty Street, Medina, Ohio 44256

MCARC Calendar

- November 6** 7:30pm Monday Night 2M Net
November 13 7:00pm IN-PERSON GENERAL MEETING at MEDINA COUNTY CAREER CENTER (JVS) (see pg 7)
November 20 7:30pm Monday Night 2M Net
November 27 7:30pm Monday Night 2M Net

ARRL Ohio Hamfests

None

Radiosport Contests

- November 4-6** ARRL Nov Sweepstakes—CW
November 18-20 ARRL Nov SSB Sweepstakes—Phone
November 25-26 ARRL EME - 50 to 1296 MHz
CQ WW CW DX Contest

Member Birthdays

Dave Swancer KE8APO 11-12
Adam Nilson KE8LUX 11/12
Roger Fowler W8WTR 11/13
Bob Mueller K8MD 11/21

Saturday 8am Breakfast

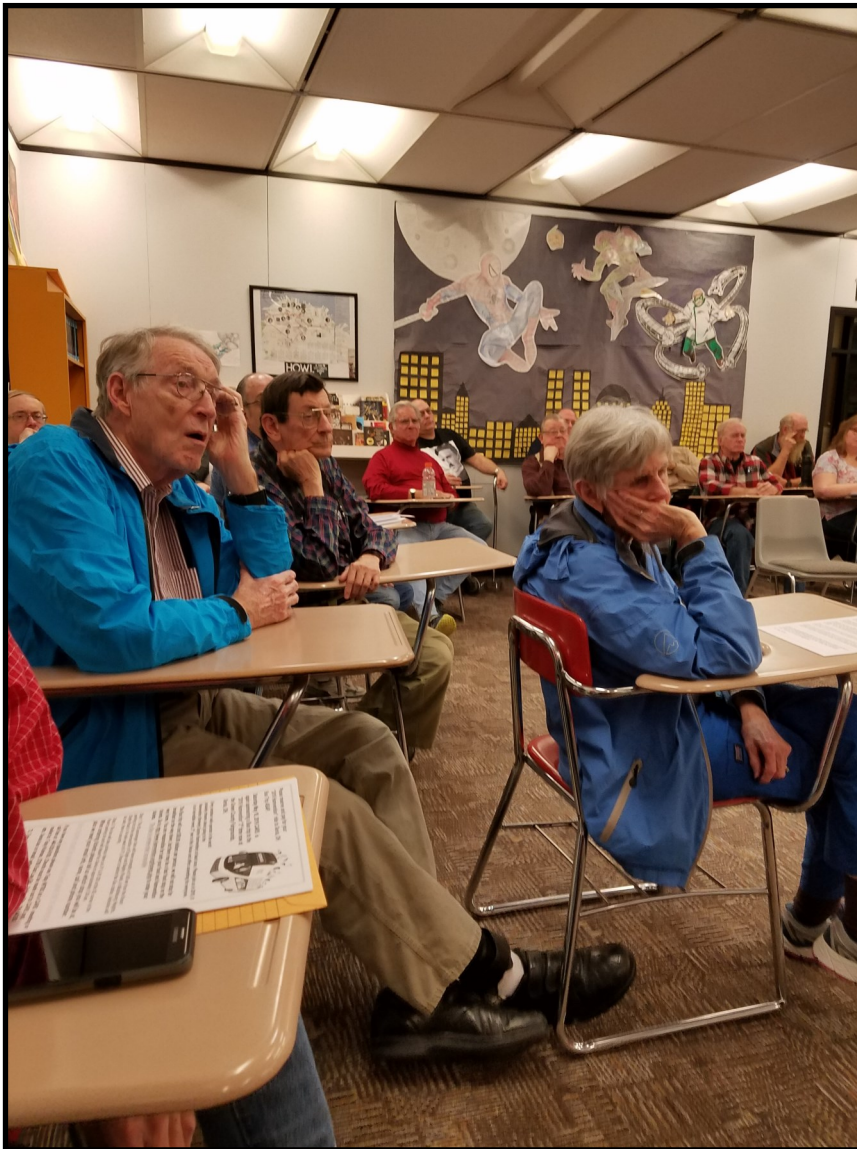
Check with your friends to see if they will be joining you at the **Cracked Egg Restaurant** at 1475 Pearl Rd in Brunswick, opposite the Middle School, Saturdays at 8am.



Keith Michal W0AHA (SK)

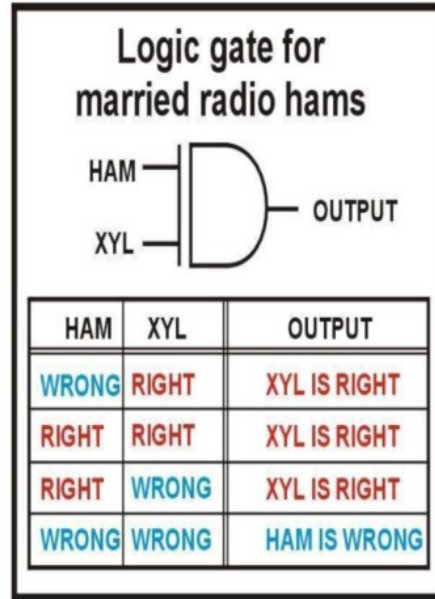
Scott Michal KE8HOZ, sadly announced that his Father, “Keith Michal W0AHA, passed away October 8, 2023, after an unsuccessful treatment for two brain tumors. His wife Elva has been sick for the last two years and isn’t expected to live the rest of this month. It has been a difficult time, but all four of us children haste been able to be here to spend lots of time with them remembering two incredible lives!”

The Medina County Amateur Radio Club extend our deepest condolences to the Michal family, and with heavy hearts mourn the passing of Keith. He will be missed. No memorial service has been planned at this time.





Hamatuer Antix



Submitted by Dave KE8APO

Logic Gate For Married Hams.

MCARC will be holding Technical Sessions during most of our in-person General Meetings on the 2nd Monday of each month.

November 13th Annual Meeting

Come join us at our **In-Person General Meeting on November 13th**, to be held at **7:00pm**, at the **Medina County Career Center (JVS)**, Room 246.

The Medina County Career Center (JVS), is located at: 1101 W Liberty Street, Medina, Ohio 44256

President, **Ed K8NVR** will present the November program on FCC Radio Law Enforcement.



Dits and Dahs

Our **November 13th General Meeting** will be held at **7:00pm**, at the **Medina County Career Center (JVS), Room 246**. The Medina County Career Center (JVS), is located at: 1101 W Liberty Street, Medina, Ohio 44256

- **MCARC 2-Meter repeater—Update**

Ed announced: "We installed our main repeater at the South Tower. It is fully operational so you will now hear courtesy tones and controller messages like before. The South Tower is still accessed using tone 88.5. You will hear the old "Main" courtesy tone, not three beeps when it is in use. If all goes well, this will become our new "Main" site. The Brunswick site has been changed from a full repeater, back to its original use as the North Input via tone 131.8 and ~~three~~ [two] short courtesy beeps. So we now have a North Input & South Input, with the transmitter being located at the South Tower."

Please set your radios as indicated on page nine to enjoy our 7:30pm camaraderie.

- **MCARC Facebook Page**

The Club Facebook page has been hacked, and still, cannot be updated. No corrective action has yet been received from the gods at Facebook.

- **Newsletter Contributions**

Please send any material about your projects, Amateur Radio news, technical articles, DXing, or radio cartoons to our newsletter editor—Jane@K8JGR.radio. Thank you.

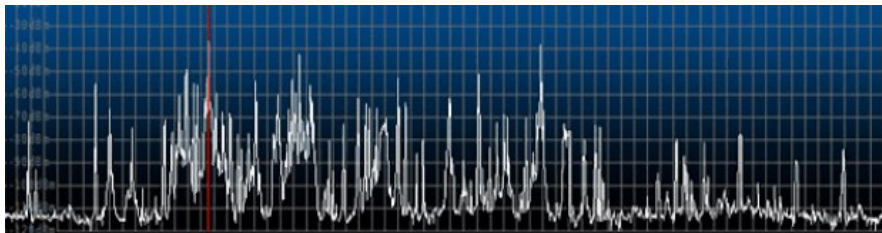
- **URLs**

Our Club now has registered domain names of W8EOC.org, W8EOC.com, MedinaCountyAmateurRadioClub.org. All will bring you to our Club website.

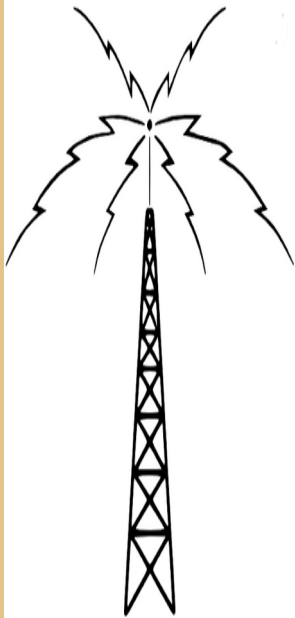
- **ARRL Audio News**

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.

The On the Air podcast is available on iTunes. The On the Air podcast and ARRL Audio News are also on blubrry -- On the Air | ARRL Audio News.



MCARC Repeaters—UPDATE



M2M Repeaters
10/27/2023

Call	Location	Function	Repeater Input	Repeater Output	CTCSS (PL)	Band
W8EOC	Brunswick (North)	Receive only	147.630	Main Site South Tower	131.8 Two Beeps	2 Meter
W8EOC	Lafayette (South)	Main Site Transmit & Receive	147.630	147.030	88.5 Single Beep	2 Meter
W8EOC	Lafayette (South)	Split Site Repeater	51.160		107.2	6 Meter
	Brunswick Hills			51.660		
W8HN	Medina (JVS)	Digital C4FM TX & RX Repeater	147.885	147.285	(0)	2 Meter
		Analog TX & RX Repeater	147.885	147.285	110.9	2 Meter
W8EOC	Lafayette (South)	Repeater TX & RX	449.925	444.925	131.8	70 CM

NOTE REPEATER UPDATE: Please set your radios as indicated above to enjoy our 7:30pm MCARC weekly Monday Net (except for 2nd Monday of month).

2-Meter Net

MCARC 2-METER REPEATER

Remember to join our 2-Meter nets on 147.030 Monday evenings at 7:30pm, except for the 2nd Monday of each month when we have our **In-person** meetings.

You do not have to be a member of MCARC to participate.

MCARC Monday Night 2-Meter Net Control

06-Nov-2023	KD8SST	13-Nov-2023	<i>Meeting</i>
20-Nov-2023	K2KSU	27-Nov-2023	K8TV

Contact Baji K8IIT, ohiobaji@gmail.com, if you would like to serve as NCO.

NCO openings can be found at:

<https://b.link/2023-nco>

MCARC Membership

Please become a member or renew your **Medina County Amateur Radio Club** membership. Dues are our primary source of income and are used to pay for the administrative costs of liability insurance, website domain registration fees, web hosting for www.W8EOC.org., maintenance costs of repeater and towers along with passing on fun perks to you, our members. Our new/renewal Membership Form and information can be found on our website <http://w8eoc.org/membership>.

ARRL Membership

Consider paying your dues for **ARRL membership** through our club Membership Chair, Diane KD8SSX. MCARC will retain \$15.00 for each NEW membership and \$2.00 for each renewal. A copy of the ARRL Membership Application/Renewal form can be obtained from Diane. Email her at d.snider@frontier.com.

Please consider volunteering. We really would enjoy seeing fresh faces and hearing new ideas to keep the MCARC relevant and viable in 2022. Do you like designing or maintaining websites, organizing speakers for technical sessions, writing for the newsletter or teaching members new skills? Please let Jane K8JGR know. Thank you.

Who's Who

President:

Ed Eyerdom K8NVR
eyerdom@gmail.com

VP: Jane Reed K8JGR
jane@K8JGR.radio

Treasurer:
Toby Kolman WT8O

Secretary:
Dave Swancer KE8APO

W8EOC Repeaters:
Ed Eyerdom K8NVR
Ken Koyan K8TV

Sunshine:
Diane Snider KD8SSX

Trustees:

Doug McClure KD8SST
Dave Oravec N8JNX
Ray Orobona K2RWO
Amy Panchumarti K2KSU
Steven Stein KE8BJD

Newsletter:
Jane Reed K8JGR

Field Day:
Fred Helwig K8FH

Membership:
Diane Snider KD8SSX

Program:
Open

Websites:

Jane Reed K8JGR
Jeff Crow KE8UUF

Net Scheduling:
Baji Panchumarti K8IIT

Social Events:
Gail Helwig KD8GGM

Skywarn:
Tracey Liston W8TWL

ARES:
Bob Mueller K8MD

RACES:
Dave Rickon NF8O



MCARC on the World Wide Web

www.W8EOC.org

Also,
"Like Us" on **Facebook**

[www.facebook.com/
MedinaCountyAmateur
RadioClub](http://www.facebook.com/MedinaCountyAmateurRadioClub)

About Our Organization

The Medina Two Meter Group (M2M) Inc. DBA: the **Medina County Amateur Radio Club** is a nonprofit, ARRL Special Service registered, Amateur Radio organization based in Medina County, Ohio dedicated to communication, public service, education and fellowship.

Many of our members are also involved with Skywarn, ARES, RACES, and assist with emergency communication or community events such as bicycle and foot races.

We usually meet on the second Monday of each month at the Medina County Career (JVS) Center, upstairs Room 246.



Medina Two Meter Group (M2M) Inc.
DBA:
Medina County Amateur Radio Club

1254 Hadcock Road
Brunswick, Ohio 44212

Admin@W8EOC.org

PLEASE
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TO: