

News Beacon

Medina County Amateur Radio Club

Prez's Preface

*"May peace and plenty bless your world with a joy that long endures,
and may all life's passing seasons bring the best to you and yours."*

Anonymous Irish Blessing

There is something to be said for such a heartwarming wish for family and friends and acquaintances; a pleasantry evoking a kindness and respect for others, and a hint about how we wish others felt about us.

I still naively believe there are more nice people in this world than jerks. And of course, our Club is comprised of only the nicest people.

To single out one member in particular, at the risk of embarrassing him, Dave Swancer KE8APO kindly stepped up to temporarily take on the responsibilities of *both* Secretary and Treasurer when the shuffling of Officers caught others off-guard. However, we promised Dave that we'd be actively looking for a replacement Secretary to document our meetings, since he has quite a bit on his plate right now.

Even though it is mid-way through our election cycle, the Board will make allowances to accept any literate member who can attend and write up the minutes of our monthly meetings and infrequent Board meetings. Use of a recorder is encouraged but not mandatory. Any paid member, regardless of length of membership will be considered. It really will be helping Dave out.

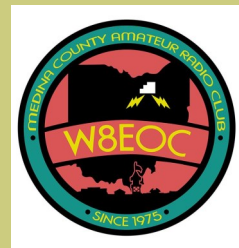
Please let me know if you are willing to take over as scribe, or can suggest someone who might be interested. Thank you very much.

Happy St Patrick's Day and 73,
Jane@K8JGR.radio



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Hmmmmmm...

"Why do transformers hum?"

...Because they don't know the words."



February General Meeting Minutes

The monthly General Meeting, was held February 12, 2024 in-person at the Medina County Career Center (JVS). The meeting was called to order by President, Jane K8JGR. The Pledge of Allegiance was recited at 7:00 pm. The following Sixteen (16) paid members attended, so quorum (9) was reached. All members stated their names and call signs.

ED K8NVR	Chuck K8KMA	Rick KE8CSW	Jane K8JGR
Diane KD8SSX	Dave NK0K	Doug KD8SST	Dave KE8APO
Amy K2KSU	Dudley WA1X	John K8JEK	<i>Brian KA8CNI</i>
Gail KD8GGM	Fred K8FH	Gordon A18Y	<i>Frankie</i>

Minutes of previous meeting: Motion to suspend reading: Dave NK0K, Second: Gail KD8GGM. November Minutes as published in the February News Beacon newsletter were approved.

Treasurer's Report: December report read by: Dave KE8APO. Motion to approve: Amy K2KSU, second: Rick KE8CSW. Approved.

President's Report: Jane K8JGR stated that we received the official notice from ARRL of our Club's ARRL Special Service designation. *NOARS is having their winter Hamfest March 10th. *The Livonia Michigan club is having a Swap and Shop on Feb 17th. *Toby WT8O has been absent due to recent surgeries but plans on attending next month. Toby, president of the Cuyahoga County Amateur Radio Society, sent a reminder that the CARS club is hosting license training classes in Seven Hills. Details on their website. *Our March technical presentation will be by Ken K8TV about low frequency band antennas. *Tracey W8TWL has reminded us that a Skywarn training class will be held on March 14th. Register online at the NWS Cleveland website.

Repeater status: Ed K8NVR stated All repeaters are working. 220 coverage should improve when replacement antenna is mounted on the north side of the tower. There is also discussion of improving 2m coverage in the northern part of the county. Bob K8MD is working on this.

Announcements & Comments: *Dudley WA1X reported that January DX coverage was very good Ed K8NVR and Dudley discussed the recent Clipperton Island DX Expedition. *A discussion also took place regarding some kind of recognition and invitation to the JVS teacher for the use of his classroom every month for our club meetings.

Adjournment: Motion to adjourn: Amy K2KSU, Second: Dave NK0K. Approved. Meeting adjourned at 7:25.

A technical video presentation was provided by Ed K8NVR about the history of telephone and circuit/packet switching.

Respectfully submitted by Dave KE8APO

DXpedition: 8R7X GUYANA – SOUTH AMERICA

Submitted by Ed Eyerdom K8NVR



Every year, various groups of Amateur Radio adventure seekers plan trips to remote parts of the world, to transport and set up temporary radio stations. These groups usually consist of an international team of amateur operators that are experienced in the construction and operation of these systems. Many operations occur in hostile environments that involve extreme hot or cold temperatures, monsoons, long sea voyages on small ships, or other adverse living conditions. These expeditions usually operate for one to two weeks, and the average age of the operators is in the 50's or 60's.

On February 14th of this year, four young guys in their 20's from Europe began an operation in the country of Guyana located in northern South America. They essentially conducted a "Field Day" style operation for twelve days, operating four stations on amateur bands 160 through 6 meters. This was an unusually small crew for such an operation, and they set out with a goal of making 30,000 contacts to amateur radio stations around the world. Their main purpose was to give the Amateur Radio world a chance to log one or more contacts with Guyana, a country which has very few active Amateur Radio stations.

Band	Contacts By Band/Continent										Total	Total %
	6	10	12	15	17	30	160	80	40	20		
	1	1	1	2	3	1	0	0	0	0	9	0.00%
AF	23	93	82	70	76	31	11	23	37	76	522	0.70%
AN	0	0	0	0	1	0	0	0	0	0	1	0.00%
AS	0	1461	998	1162	982	1127	24	131	992	1209	8086	11.00%
EU	5	6627	6009	4990	5470	3129	1566	2274	3350	6032	39452	53.70%
NA	97	4260	2624	3553	2797	1609	1145	1547	2140	3277	23049	31.40%
OC	2	72	36	113	102	89	2	31	113	117	677	0.90%
SA	172	278	193	171	229	155	57	91	141	143	1630	2.20%
Totals	300	12792	9943	10061	9660	6141	2805	4097	6773	10854	73426	

This group was able to construct their antenna systems in a favorable outdoor location, and they were able to operate their equipment in a comfortable indoor location. Since they did not have to contend with a difficult environment, they were able to spend most of their time operating their stations. With an aggressive operating schedule running around the clock, they were able to complete about 6,000 contacts per day using SSB (Voice), CW (Morse Code), FT8 & RTTY (Digital Modes), and even one afternoon of 10 meter FM (Voice). When all the dust had settled, they managed to complete a total of **73,426** contacts in twelve days, which is a huge number for just four guys.

Continued next page...

DXpedition: 8R7X ...Cont'd

The team included M0SDV, Jamie from England, DK6SP, Philipp from Germany, DJ4MX, Sven from Germany, and HA8RT, Tomi from Hungary. These guys did a great job and made many of us "DX Chasers" happy with new contacts from Guyana. We hope to see them in future expeditions.



Contacts By Band/Mode							
Band	SSB	CW	RTTY	FT8	FM	Total	Total %
160	121	1425	13	1246	0	2805	3.80%
80	229	1779	108	1981	0	4097	5.60%
40	1529	2645	70	2529	0	6773	9.20%
30	0	2243	63	3835	0	6141	8.40%
20	1877	4048	392	4537	0	10854	14.80%
17	2099	3497	671	3393	0	9660	13.20%
15	3719	3908	363	2071	0	10061	13.70%
12	3216	3357	724	2646	0	9943	13.50%
10	4150	4159	166	4108	209	12792	17.40%
6	26	27	0	247	0	300	0.40%
Totals	16966	27088	2570	26593	209	73426	

All photos and charts are courtesy of <https://www.dx-world.net/8r7x-guyana-dxpedition-2024/> and the 8R7X Facebook page.

Call to Action

While none of the following concerns are unusual for this time of the year since many of you prefer to schedule at the very-last-minute, which increases numbers dramatically. But tardiness/absence in your response makes it difficult to plan and execute meaningful events. *Please, please* consider proactive involvement in the following:

Annual Dinner Reservations are down...

Concern: Gail KD8GGM would like to remind all members that the Club's **Annual Dinner Party** is being held on March 9th at the Perk Cup Café and Grille in Berea. Cost is \$35/person. Don't forget to bring your white elephant gift and cash for raffles.

Clarification: Gail and Fred K8FH absorb much of their time and cost of the dinner, servers, venue, prizes and raffle gifts to provide us with a fun evening with friends. Yet, historically, *two-thirds of those attending wait until the last minute* to notify Gail of their intentions to attend.

Consider: The dinner invitation that you have received states that reservations are due by **March 3rd** by contacting gail0452@windstream.net. Payment can be made at the dinner. Please let Gail know of your attendance.

2024 Membership is down...

Concern: Only 63% of last years members have renewed for 2024.

Clarification: Many members pay throughout the year, at the Dinner, at the Picnic, at Field Day or at monthly meetings. We really need to set a deadline for current year dues-paying, since it affects the invitations sent out to members for the Annual Dinner and Summer Picnic. Also, you lose your right to vote at meetings and participate in Club on-air contests if you have not paid for current year membership.

Consider: Please Send in your membership dues to Diane Snider, 8311 Norwalk Rd, Litchfield, OH 44253. Membership/dues renewal form is found at www.w8eoc.org/membership.

Net attendance is down...

Concern: Baji K8IIT schedules and announces our **MCARC 2M Net** that is held every Monday night (except for the 2nd Monday of the month when our In-Person General Meeting is held). The last two nets had only 8 and 11 check-ins respectively.

Clarification: There have been **major changes to repeater locations and the PL tones** of the MCARC repeaters in the last six months which may account for the downturn.

Consider: Please check **page twelve** to ensure that you are using the correct input and PL Tones. Also, Many NCOs are now announcing a trivia question to stimulate fun conversations on the net.

Monthly General Meeting attendance is down...

Concern: Of our usual membership of 65 members, only 16 attended the last Monthly General Meeting.

Clarification: Room 246 at the Medina County Career Center has been completely remodeled. The hard student desks have been replaced with comfortable office chairs and the audio-visual equipment has been replaced with a really cool smart board for ease in internet connecting, computer hookups and clear audio. An elevator is 20 feet away for convenience.

Consider: We have been focusing on having more interactive presentations by members and visiting speakers, with invitations to the community at large. Please support our presenters by your attendance. Suggestions for topics are always welcome.



Club Meetings

Monthly, MCARC General Meetings are held at 7:00pm on the second Monday of each month 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

Member Birthdays

Tom Kenski WA8ICH	03/01
Dave Rickon NF8O	03/04
Doug Daniels KE8BBI	03/13
Dave Hibbard NK0K	03/14
Kevin Reed	03/18
Lou Mesavage WA8DBP	03/19
Jim Reinhart WD8EKH	03/21
Steve Fisher KB8SCI	03/21
Steven Stein KE8BJD	03/26
Bob Bordeaux K2BBX	03/28



MCARC Calendar

- March 4** 7:30pm Monday Night 2M Net
March 11 7:00pm IN-PERSON GENERAL MEETING at MEDINA COUNTY CAREER CENTER (JVS) (see pg 7)
March 18 7:30pm Monday Night 2M Net
March 25 7:30pm Monday Night 2M Net

Ohio ARRL Hamfests

- 03/10/2024** NOARS Winter Hamfest
Location: Elyria, OH
Sponsor: Northern Ohio Amateur Radio Society
Website: <http://winterhamfest@noars.net>
- 03/17/2024** Toledo Mobile Radio Association Hamfest and Computer Fair
Location: Perrysburg, OH
Sponsor: Toledo Mobile Radio Association
Website: <http://www:w8hhf.org>

Radiosport Contests

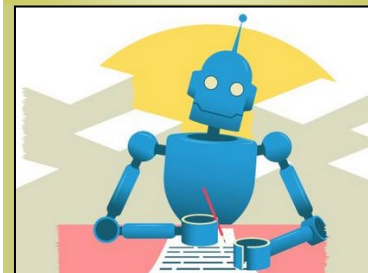
- March 2-3** International DX– Phone
March 30-31 CQ WW SSB WPX

“Old Timer’s” Lunch

Ray Pick W8MFU wants to remind us that the “Old Timers” (and not so old) meet monthly for lunch and natter on the third Tuesday at 12:00 noon, at Royal Buffet, 3835 Pearl Rd, Medina, OH 44256. It is at the SE corner of SR-42 and Fenn Road. You do not have to be a MCARC member.

Un-Edited AI Generated Paper

I asked ChatGPT 3.5 to write a 500 word paper on “near vertical incidence skywave.” this was its response...



Near Vertical Incidence Skywave (NVIS) is a propagation technique used in radio communications, particularly in the High Frequency (HF) band, to enable short-range communication over distances typically ranging from 0 to 400 miles (0 to 650 kilometers). Unlike traditional HF communication, which relies on long-distance skip propagation, NVIS utilizes high-angle radiation to reflect signals off the ionosphere back down to Earth, allowing for reliable communication over shorter distances.

NVIS communication is particularly useful in situations where traditional forms of communication may be unavailable or unreliable, such as in remote areas, during emergencies, or in military operations. By utilizing NVIS, radio operators can establish communication networks over relatively short distances without the need for repeaters or extensive infrastructure.

One of the key characteristics of NVIS is its use of high-angle radiation. Traditional HF communication relies on low-angle radiation to achieve long-distance communication through skip propagation, where the radio waves are refracted back to Earth at a distant location. In contrast, NVIS antennas are designed to radiate signals at high angles (60 to 90 degrees) to maximize the reflection off the ionosphere and ensure that the signal is returned to Earth within a relatively short distance.

To achieve NVIS propagation, several factors must be considered, including antenna height, frequency selection, and ionospheric conditions. Antenna height plays a crucial role in NVIS propagation, as the radiation angle is determined by the height of the antenna above ground. For optimal NVIS performance, antennas should typically be between 0.1 and 0.25 wavelengths above ground.

Frequency selection is also critical in NVIS communication. Lower frequencies (such as 3-5 MHz) are typically used for NVIS communication, as they provide better penetration through obstacles such as trees and buildings and are less affected by ionospheric conditions. However, higher frequencies (such as 7-10 MHz) can also be used for NVIS communication under certain conditions.

Ionospheric conditions can significantly impact NVIS propagation. NVIS communication is most effective during periods of high solar activity, as the increased ionization of the ionosphere allows for better reflection of radio waves. Conversely, during periods of low solar activity, NVIS communication may be less reliable due to reduced ionization of the ionosphere.

In conclusion, Near Vertical Incidence Skywave (NVIS) is a propagation technique used in radio communications to enable short-range communication over distances ranging from 0 to 400 miles. By utilizing high-angle radiation and reflecting signals off the ionosphere, NVIS allows for reliable communication over shorter distances without the need for repeaters or extensive infrastructure. While NVIS communication is most effective at lower frequencies and during periods of high solar activity, it remains a valuable tool for establishing communication networks in remote areas, during emergencies, and in military operations.

ChatGPT responses vary greatly on how many parameters are included, how the request is phrased, e.g., “NVIS vs. NVIS in Amateur Radio,” and even the day it is asked, since the answer is culled from then existing references on the internet.

I would like to hear from **you** about errors, improvements, and comments about this AI generated article. Do you find Artificial Intelligence (AI) intelligent or not? Do you think AI is helpful or a detriment to learning? Send to jane@K8JGR.radio . Responses will be published in next month’s newsletter.

Northern Ohio Amateur Radio Society



NOARS

Winter Hamfest

Annual Hamfest and Computer Show

Sunday, March 10, 2024

9 AM - 12 PM EDST

Lorain County Community College

John A. Spitzer Conference Center

Reaser Grand Room

1005 N. Abbe Rd.

Elyria, OH



===== TIME CHANGES to Daylight Savings at 2 AM Sunday =====
Setup at 7:00 AM EDST Doors open at 9:00 AM EDST

Air-conditioned indoor vendor sales

Free Parking - Handicap Accessible

ARRL APPROVED HAMFEST

On-site VE Testing – Pre-registration preferred; walk-ins welcome.

To register, contact Elaine, KC8FOS, at ewilkinson1951@gmail.com or 216-337-4235

Testing begins at 9 AM; entry stops at 11 AM.

Just \$7.00 General Admission - under 12 free

6 ft. indoor vendor tables - \$10.00

Vendor Discount: 20% discount for 6 or more tables Non-refundable Prepayment due by February 1, 2023

PRIZES

Hourly Prizes starting at 10 AM

Need not be present for Main Prizes but must be present for all other prizes.

Mobile check-ins and directions on **146.70- (PL 110.9) NOARS** repeater

For table reservation, contact:

Carl Rimmer W8KRF at 216-256-9624 (before 9PM)

or

Email: winterhamfest@noars.net

To find out more, go to the NOARS website: http://www.NOARS.net/?page_id=1062

Dits and Dahs

- **Monthly Meeting**

Our **March 11th 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, 44256

- **Club Annual Dinner**

Gail KD8GGM would like to remind all members that the Club's Annual Dinner Party is being held on March 9th at the Perk Cup Café and Grille in Berea. Cost is \$35/person. Don't forget to bring your white elephant gift and cash for raffles. The dinner invitation that you have received states that reservations are due by March 3rd by contacting gail0452@windstream.net. Payment can be made at the dinner. Please let Gail know of your attendance.

- **2024 Dues**

Diane KD8SSX, reminds us that dues for 2024 can be paid to her at a meeting or mailed to Diane Snider, 8311 Norwalk Road, Litchfield, Ohio 44253. Fill in Membership/Renewal form at <https://w8eoc.org/membership>. Make checks payable to the Medina Two Meter Group Inc. Dues are \$15.00 for regular membership, \$22.50 for family membership which allows one vote, and for \geq age 60: \$150.00 for life membership. Get a start on 2023 by paying your dues! d.snider19@yahoo.com

- **Skywarn**

Tracey W8TWL reminds us that the Skywarn Training schedule has been posted at https://docs.google.com/forms/d/e/1FAIpQLSfastjbTTkcPb_ncAkkD7Svy6OubA0ykY8qwo8ip60u_tubbw/viewform Medina City is listed as a planned live location on March 14th. So sign up and attend if able. Location - University of Akron-Medina, 6300 Technology Ln, Medina 44256

- **NCARC Tech Net: Info from Wayne NC8F**

The North Coast Amateur Radio Club will be hosting a "Technical Net" starting this coming Wednesday, February 21. Net, early Check-in, starts at 6:45 PM (1845 ELT) . Net starts at 7:00PM (1900 ELT) with a technical subject to be talked about during the net. The net will be on the NCARC 2M repeater, N8NC, operating frequency of 145.290 MHz with CTCSS of 110.9 Hz. This will be a Directed and Controlled net for check-ins and all net traffic. All amateurs are welcome to join and subjects will change from week to week. If you have technical questions to be addressed then the Net Control Station, Wayne, NC8F will be taking them down as a possible subject for some upcoming net as the subject list grows.

- **NOARS Winter Hamfest**

March 10th, Lorain County Community College. Information found on page 8.

- **Tax Info**

Just a reminder that when the Medina Two Meter Group (M2M), Inc was formed in 1975, it was set up as an IRS 501 (C)(7) entity. (We recently rebranded the organization as DBA: the "Medina County Amateur Radio Club.") As a 501(C)(7), social club, any donations made to the Club are NOT tax deductible.





Hamatuer Antix



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

March 11th General Meeting

Our next monthly **In-Person General Meeting** is on **March 11th**, 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

Ken K8TV will be giving a talk on the low frequency bands antenna project that he and **Fred K8FH** worked on. Fred's loop antenna is roughly 1200' long and only 60' high. Ken designed an antenna tuner to put at the base of the loop, and also designed and built a transverter that takes a 160 meter input signal, and converts it to a 2200 meter signal. Stations all over the world are using a mode similar to FT8, called WSPR. The challenge is getting a signal to be heard across the pond from here. Although Fred and Ken's ERP is only one-watt, the first weekend they had their station on the air they were heard in England and France!

Come join us for a very interesting presentation.

ARRL Paper on Low Frequency Operation

Great news! We now have the 2200M band, subject to sharing with utility companies...
2200 & 630 Meter PLC Database Amateur Notification US Amateurs must register with Utilities Telecom Council in order to obtain permission to transmit on these bands. <https://utc.org/plc-database-amateur-notification-process/>

Most experimenters use short, inefficient antennas with very large loading coils. Propagation in this RF region is by surface wave, using vertically polarized antennas.

In ITU region 1 and 3, broadcasters use the 150 to 280 kHz region to cover entire countries. European broadcasters in this spectrum can be heard on the East Coast of the US occasionally just after sunset. An outside antenna away from noise sources is recommended for reception of long wave broadcasters.

Another LF band does exist in the US. A lot of "lowfer" (Low Frequency Experimental Radio) activity occurs in the 160 to 190-kHz region--the so-called 1750-meter band, authorized under Part 15 of the FCC regulations. You don't need a license to operate on 1750 meters, but there are severe legal restrictions on what you can put on the air there. For starters, you can't run more than 1 W input to the transmitter's final stage, and the entire length of the transmission line and antenna combined cannot exceed 15 meters (approximately 50 feet). That's not much antenna for a band where a half-wavelength antenna would be more than one-half mile long! Hams that operate on 1750 meters use just their call sign suffix as an ID as the FCC frowns on using call signs there.

Right now, a few hundred experimenters occupy the band in the US, and several of them have set up CW beacons on 1750 meters (many between 180 and 190 kHz), so you might take a listen if you have a receiver that tunes those nether regions. A lot of equipment for the band is homebrew, but commercial equipment is becoming more available.

Several HF/VHF transceivers have general coverage receivers which tune down to 100 kHz or lower, Recent QST Product Reviews now include sensitivity performance at 137 kHz.

Articles:

Lowfing on 1750 Meters QST October 1993, p.67-68An introduction to an experimental band below the AM Broadcast band.

Mother Nature's Radio QST January 1994, pp. 49-51This is an introduction to the Earth's natural VLF radio emissions.

Build Your Own Lowfer Transceiver QST April 1994, pp. 26-31This article includes construction of the antenna.

Exploring 136 kHz QST November 1998

The Monster Loop QST September 2000, pp. 38-40Build a high performance VLF receiving antenna

The AMRAD Active LF Antenna QST September 2001, pp. 31-37This small state-of-the-art active receiving antenna works well on the MF and HF bands also.[The CP-666 JFET is still available in the TO-37 package from Crystalonics in Long Island, New York (631-981-6140). They are very happy to sell small quantities to hobbyists at \$17.50 each (April 2009 prices). A J310 or U310 will work if a sacrifice in dynamic range is acceptable.]

AMRAD Low Frequency Upconverter QST April 2002, pp. 34-39 This project will allow you to use your HF transceiver to listen to activity below 500 kHz.Feedback: QST October 2002, p. 39

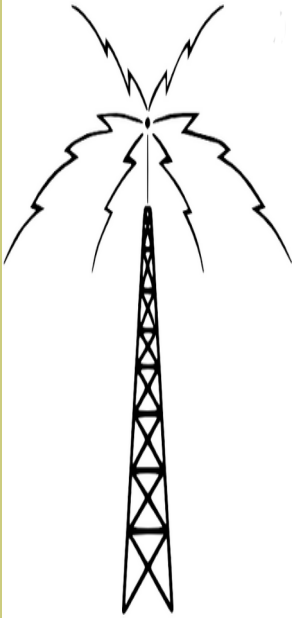
The Transatlantic on 2200 Meters—this article has a schematic of Joe Craig VO1NA's 136kHz class E transmitter.QST July 2005 pp 42-46.

Reprinted from <http://www.arrl.org/lf-low-frequency> 09/15/2017



Photo: N1BUG.com

MCARC Repeaters—UPDATE 11/13/2023



Call	Location	Function	Repeater Input	Repeater Output	CTCSS (PL)	Band
W8EOC RX ONLY	Brunswick (North Tower)	RX	147.63	147.03	131.8 two beeps	2 Meter
W8EOC MAIN SITE	Lafayette (South Tower)	TX & RX	147.63	147.03	88.5 one beep	2 Meter
W8EOC	Lafayette (South Tower)	RX	51.16		N/A	6 Meter
	Brunswick Hills (Pearl Rd)	TX & RX		51.66		
W8HN	Medina (MCCC)	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 Tower)	Repeater TX & RX	223.26	224.86	Open & 77.0	1.25 Meter
W8EOC	Lafayette (South Tower)	Repeater TX & RX	449.925	444.925	131.8	70 CM

Note: You can get into our W8EOC 2-meter repeaters from either the Brunswick input (**PL 131.8**) or the South (Lafayette) input (**PL 88.5**). The PREVIOUSLY MOST USED PL tone of 141.3 NO LONGER WORKS.

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

26-Feb-2024		04-Mar-2024	K8NVR
11-Mar-2024	Meeting	18-Mar-2024	KD8SSX
25-Mar-2024		01-Apr-2024	K8TV

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

NCO openings can be found at:
<https://rebrand.ly/2024-net-control>

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 d.snider19@yahoo.com or at <https://w8eoc.org/membership/>. Mail your dues to Diane Snider, 8311 Norwalk Rd, Litchfield, OH 44253.

Please consider volunteering. We really would enjoy seeing fresh faces and hearing new ideas to keep the MCARC relevant and viable in 2023. 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: Jane Reed K8JGR
jane@K8JGR.radio

VP: Ed Eyerdom K8NVR
eyerdom@gmail.com

Secretary/Treasurer:
Dave Swancer KE8APO

W8EOC Repeaters:
Ed Eyerdom K8NVR
Ken Koyan K8TV

Sunshine:
Diane Snider KD8SSX

Trustees:
Doug McClure KD8SST
Dave Oravec N8JNX
Diane Snider KD8SSX
Amy Panchumarti K2KSU
Steven Stein KE8BJD

Newsletter:
Jane Reed K8JGR

Field Day:
Fred Helwig K8FH

Membership:
Diane Snider KD8SSX

Program:
Open

Website:
Jane Reed K8JGR

Net Scheduling:
Baji Panchumarti K8IIT

Social Events:
Gail Helwig KD8GGM

Skywarn:
Tracey Liston W8TWL

ARES:
Bob Mueller K8MD

RACES:
Dave Rickon NF80



MCARC on the World Wide Web

www.W8EOC.org

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. Our roots go back to 1932 in Medina County.

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

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TO: