



News Beacon

Medina County Amateur Radio Club

Prez's Preface

"I am grateful for what I am and have. My thanksgiving is perpetual."

Henry David Thoreau

Many thanks to all of our members who express their enthusiasm for the Amateur Radio hobby. We have an active club that is evidenced by participation in our 2-Meter Net, monthly meetings, contests, EmCom, Elmering, and doing all things necessary in making this a viable, interesting Club.

Stepping down as President next year, I will remain on the Board as VP if elected, and will continue compiling the newsletter and websites. I just need some time off to finish some unwieldy projects. So please continue sending me information about your tinkering/ham shack/contesting to share.

I was diagnosed with Covid in an emergency room on October 19th. Although still suffering from its effects, I was told I am not now contagious and am planning on attending the next meeting, good Lord willing!

Happy Thanksgiving and 73,
Jane@K8JGR.radio

Notice of Annual Meeting of Members

As stated in the MCARC Code of Regulations, *"The Annual Meeting of Members shall be held in November each year ... The purpose of the Annual Meeting will be to elect Officers and Trustees to transact such other business as may come before the meeting."*

The current slate of nominees is found on the next page.

The meeting will be held at 7:30pm at the Medina County Career Center (JVS) on our regularly scheduled meeting date, November 14th.

See you there!

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Hmmmmmm...

If an electrical engineer is working in the forest, is he a power ranger?



MCARC 2023 Officer/Trustee Nominations

MCARC will again hold the election of Officers and Trustees at our November meeting. Here is the current list of nominees:

Position	Term	Name	Call Sign	Experience
President	One year	Ed Eyerdorn	K8NVR	Held multiple Trustee/Officer Positions over many years
Vice President	One year	Jane Reed	K8JGR	President last five years
Secretary	One Year	Dave Swancer	KE8APO	Current Secretary, past Trustee
Treasurer	One Year	Toby Kolman	WT8O	Current Treasurer, past Officer/Trustee
Trustee	Two Years	Doug McClure	KD8SST	Trustee past four years
Trustee	Two years	Steven Stein	KE8BJD	Leadership positions in other organizations
Trustee	Two Years	Ray Orobona	K2RWO	Trustee many years

Note that Amy Panchumarti K2KSU and Dave Oravec N8JNX are current Trustees whose positions will be open next year.

You can still nominate yourself or another person with their permission by submitting the Nomination Form to Diane KD8SSX by email to D.Snider@frontier.com. The form can be found in the September newsletter.



We really appreciate Gail Helwig KD8GGM's ongoing dedication to the Medina County Amateur Radio Club. She is "retiring" from serving many years on the Board, most recently as Vice President, but will remain active in supporting the Club in myriad ways. Thank you, Gail.



Frequency Doubling

Warmest congratulations to Ray Pick W8MFU and his lovely wife, Carol, who were wed in October. We wish them both an abundance of joy, love, and togetherness.

October In-Person General Meeting Minutes

The October 10, 2022 Member Meeting was held in-person at the Senior Center. The **meeting was called to order by Vice President, Gail KD8GGM** and the Pledge of Allegiance was recited at 7:35 pm . The following (14) paid members and (2) *guests* were present so quorum (9) was reached.

Gail KD8GGM	Fred K8FH	Ed K8NVR	<i>Mark Kollar</i>
Diane KD8SSX	Doug KE8BBI	Toby WT8O	<i>Elva Michel</i>
Doug KD8SST	Dave KE8APO	Gordon AI8Y	
Tamara WA8KGV	John K8JEK	Dave N8JNX	
Keith W0AHA	Steve KE8BJD		

Secretary's report: The September 12, 2022 General Meeting Minutes are to be approved at the November General Meeting.

Treasurer's report for September was read by Toby WT8O. Highlights were \$4000 spent to paint south tower in return for 15 year permission to use for club repeater. Motion to approve: Doug KD8SST, Second: Diane KD8SSX. Approved.

Vice President's Report: Reminder that Officer and Trustee elections are next month. Anyone interested in running for office needs to fill out application form and submit to Jane K8JGR or Diane KD8SSX.

Repeaters: Ed K8NVR reported that a large quantity of radio related equipment was donated to the club. There were some 440 MHZ spare repeater parts and a lot of coax and antenna items. There are seven 6 ft. tall metal rack mount equipment cabinets that are available free to club members on condition that they pick them up. Cabinets are currently stored at Fred K8FH's barn. Contact Fred or Ed if interested.

Venue: Our career center class/meeting room has been remodeled with tables and comfortable chairs as well as a large AV monitor for presentations.

Motion to Adjourn: Made by Diane KD8SSX and seconded by Dave KE8APO. The meeting was adjourned.

A technical presentation followed on BCI (Ohio Bureau of Criminal Investigation) by Mark Kollar.

Submitted by Dave KE8APO



Club Meetings

The Medina County Amateur Radio Club will be cautiously holding in-person meetings on the second Monday of each month while the threat of Coronavirus is under control.

In November the MCARC General Meeting will be held at the **Medina County Career Center (JVS) Room 246** at 7:30pm.

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

Member Birthdays

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

MCARC Calendar

- November 7** 7:30pm Monday Night 2M Net
- November 14** 7:30pm IN-PERSON MEETING at **Career Center**
(see pg 5)
- November 21** 7:30pm Monday Night 2M Net
- November 28** 7:30pm Monday Night 2M Net

ARRL Ohio Hamfests

None in November

November ARRL Contests

- 05-07** Nov. Sweepstakes—CW
- 12-13** EME—50 to 1296 MHz
- 19-21** Nov. Sweepstakes—Phone

Saturday 8am Breakfast

Join the members who are early risers at the Cracked Egg Restaurant at 1475 Pearl Rd in Brunswick, opposite the Middle school, Saturdays at 8am.





Hamatuer Antix



MCARC will be holding Technical Sessions during most of our in-person General Meetings on the 2nd Monday of each month. Since we are in need of a Program Chair, PLEASE CONSIDER VOLUNTEERING FOR THIS POSITION. Our Club is only as terrific as YOU make it!



November 14th IN-PERSON Annual Meeting

Come join us at our **November 14th Annual Meeting** at the **Medina County Career Center, Room 246**, at 7:30pm.

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

Note that the classroom has been remodeled and now has comfortable chairs and tables!

It is good to get together!



These rooftop solar vacuum tubes that make both electricity and heat are US-bound

UK-based solar tech developer Naked Energy's rooftop solar vacuum tubes, which produce both electricity and heat, will soon be sold in the United States.

Peoria, Illinois-headquartered ELM Companies, a US energy storage and microgrid specialist, is funding Naked Energy, along with banking giant Barclays and US venture capital firm Big Sky Partners.

ELM Solar, ELM Companies' new division, will distribute Naked Energy's solar thermal and PV thermal products, which are called Virtu (pronounced "virtue"). ELM Solar will also distribute Virtu products through ELM Companies' large dealer network and partnerships across the United States.

ELM has also announced, following the US Senate passing the Biden Administration's climate bill, the Inflation Reduction Act, a couple weeks ago, that it will build a factory in Texas to assemble Naked Energy's Virtu product line domestically. The Inflation Reduction Act has spurred on a race in the United States to manufacture renewables domestically.

Naked Energy's rooftop solar vacuum tubes

Solar vacuum tubes are made up of two layers of glass with a vacuum in between, kind of like a Thermos. Naked Energy claims that its Virtu products are three to four times more efficient than traditional PV solar panels, and ELM calls Naked Energy a developer of the "world's highest energy density solar technology" in its news announcement.

Naked Energy says its Virtu products' vacuum tube minimizes thermal losses to the atmosphere, resulting in high efficiency, even in cold weather. Absorber plates in the tubes are tilted to an optimum angle so that they can be used on flat or pitched roofs, and also vertical facades.

Virtu products are fully modular, so they have a low installation cost. They also have a low-profile design that reduces wind shear. Naked Energy says that its Virtu products are best suited to buildings with high heat demand, such as multi-dwelling residential, manufacturing plants, and hotels.

The VirtuHOT product heats water only, up to 90C (194F), from solar power. But the VirtuPVT product combines solar PV and solar thermal technology to generate both electricity and heat from a single solar collector. Of course, VirtuPVT's tubes require less space than if there were separate thermal and PV systems being used.

Lee C Graves, chairman and founder of ELM said:

We've seen a significant uptick in interest for renewable energy solutions across the United States. In the face of rising energy prices, we're pleased to be working with Naked Energy to provide the country with renewable alternatives.

When we were introduced to Naked Energy and the Virtu product range it was a no-brainer for us to work with them.

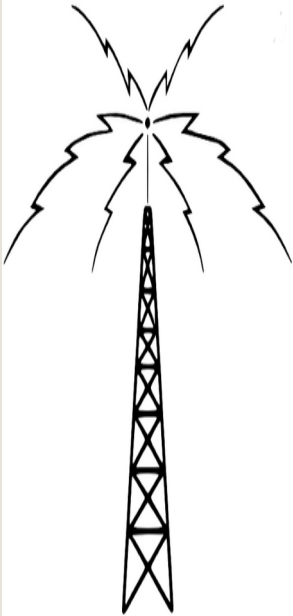
Electrek's Take

Naked Energy's Virtu products are versatile and efficient, and the VirtuPVT is especially attention grabbing. What's not to like about heat and electricity coming from a single tube?

Solar vacuum tubes have always been more efficient than solar panels, but they were also more expensive. But solar manufacturing costs and new manufacturing innovations have brought the cost of solar vacuum tubes down. Naked Energy's spec sheets don't state the cost of these, and I suspect they're still a bit too pricey for individual households. But these could be a real game changer for bigger properties like hotels and hospitals, and maybe in the future, with further innovation and price drops, they'll become the default choice for household solar.

Electrek by Michelle Lewis - Sept. 2, 2022

MCARC Repeaters



Call	Location	Function	Repeater Input	Repeater Out	CTCSS (PL)	Band
W8EOC	Medina (Main Site)	Repeater TX & RX	147.630	147.030	141.3 One Beep	2 Meter
W8EOC	Brunswick (North)	Receive only	147.630	From Main Site	131.8 Two Beeps	2 Meter
W8EOC	Lafayette (South)	Receive only	147.630	From Main Site	88.5 Three Beeps	2 Meter
W8EOC	Lafayette (South)	Split Site Repeater	51.160	51.660	N/A	6 Meter
	Brunswick Hills					
W8HN	Medina Main Site)	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	Medina (Main Site)	Repeater TX & RX	223.260	224.860	-	1.25 Meter
W8EOC	Lafayette (South)	Repeater TX & RX	449.925	444.925	131.8	70 CM

TRAVELING? Check out <https://repeaterbook.com/> for a free, worldwide repeater reference. It supports GMRS as well.

2-Meter Net

Remember to join us on the 2-Meter Net on 147.030 Monday evenings at 7:30pm except for 2nd Monday of each month when we have our **In-person** meetings. **On-Air** meetings will be held on those dates when Covid chases us to the airwaves. You do not have to be a member of MCARC to participate.

MCARC Monday Night 2-Meter Net Control

07-Nov-2022	K8NVR	14-Nov-2022	Meeting
21-Nov-2022	WT8O	28-Nov-2022	K2KSU

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

NCO openings can be found at:
<https://b.link/MCARC-NCO-2022>

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:

Jane Reed K8JGR
jane@K8JGR.radio
216-570-8500

VP: Gail Helwig KD8GGM

Treasurer:

Toby Kolman WT8O

Secretary:

Dave Swancer KE8APO

W8EOC Repeaters:

Ed Eyerdom K8NVR
Ken Koyan K8TV

Trustees:

Doug McClure KD8SST
Dave Oravec N8JNX
Ray Orobona K2RWO
Amy Panchumarti K2KSU
Ed Eyerdom K8NVR

Sunshine:

Diane Snider KD8SSX

Newsletter:

Jane Reed K8JGR

Field Day:

Fred Helwig K8FH

Membership:

Diane Snider KD8SSX

Websites:

Jane Reed K8JGR

Net Scheduling:

Baji Panchumarti K8IIT

Social Events:

Gail Helwig KD8GGM

Skywarn:

Tracey Liston W8TWL

ARES:

Bob Mueller K8MD

RACES:

Dave Rickon NF8O

Program:

Open



MCARC on the World Wide Web

www.W8EOC.org

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

**www.facebook.com/
MedinaCountyAmateur
RadioClub**

Also,
Check out our **YouTube
Channel for Medina County
Amateur Radio Club**
Technical Session Videos

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 community events such as bicycle and foot races.

We usually meet on the second Monday of each month at either the Medina County Senior Center (Sr) or the Medina County Career (JVS) Center.



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

1254 Hadcock Road
Brunswick, Ohio 44212

Admin@W8EOC.org

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TO: