

M2M News Beacon

Member to Member News Beacon



Prez's Preface

"December's wintery breath is already clouding the pond, frosting the pane, obscuring summer's memory..."

— John Geddes

As we prepare for winter's modern-day hibernation, we stock up on Ham magazines and equipment catalogs, straighten up the ham shack, tinker with workbench electronics and warm up the radio to entertain us through the early darkness and snowy weather. Our hobby truly is for all seasons.

December is also the time to drop hints to the family for gear that you hope Santa will bring! But, how will he get that tri-bander down the chimney?

Our Fall Technician Licensing Classes will conclude on the December 4th exam night. Anyone wishing to take the Tech, General or Extra Exam at 6:30pm at the Medina County Career Center,

Room 246, should contact Fred K8FH or me, so we have enough exam material available. There is a \$15.00 fee.

A complimentary membership in MCARC will again be offered to any newly minted Technician licensee who attends a Club General Meeting within three months and submits a Membership Form to the Treasurer.

In addition to anticipating new members, we also welcome two *new* Trustees, Dave Oravec N8JNX and Amy Panchumarti K2KSU as a result of November's election. Getting fresh ideas will be of great benefit to the MCARC Board.

A Founding Member, Ken Koyan K8TV decided not to seek reelection but will remain our repeater guru. Don Duman W8DD also stepped down as Trustee. We thank them both for their past and current service to our Club.

So, as the Medina County Amateur Radio Club is about to celebrate 45 years of serving Amateur Radio operators and the community, we will strive to learn from the past and continue to build on the enthusiasm and talent of our members. With your help we will enhance our dedication to communication, public service, education and fellowship.

Happy Holidays!

73,

Jane K8JGR
216-570-8500 (mobile)



Inside this issue:

Election Results	2
Calendar	3
Dave N8JNX	4
Robotic Mayflower	5
M2M Repeaters	6
Who We Are	7
ARRL Membership	8

MCARC November 11, 2019 Meeting Minutes

The Secretary's Minutes for November will be passed around for review at the December General Meeting.



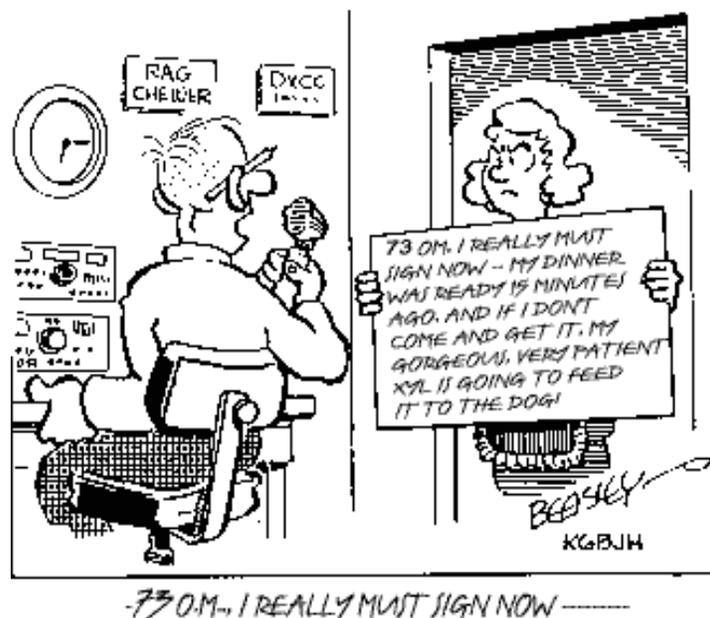
November MCARC Election Results

Congratulations to newly elected and current leaders!

Board of Trustees...

President - Jane Reed K8JGR (Term Expires 2020) Re-elected
 Vice President – Diane Snider KD8SSX (Term Expires 2020) Re-elected
 Treasurer – Gail Helwig KD8GGM (Term Expires 2020) Re-elected
 Secretary (one Year Term) – Ray Orobana K2RWO (Term Expires 2020) Re-elected
 Trustee – Dave Oravec N8JNX (Term Expires 2021) ** New Participation
 Trustee – Amy Panchumarti K2KSU (Term expires 2021) ** New Participation
 Trustee - Ed Eyerdom K8NVR (Term expires 2021) Re-elected
 Trustee – Doug McClure KD8SST (Term expires 2020)
 Trustee - Dave Swancer KE8APO (Term Expires 2020)

Hamatuer Antix



December 9 General Meeting

Join us 7:30 pm for our Monthly Meeting on December 9 at the **Medina County Career Center (JVS)**, Room 246, 1101 West Liberty Street, Medina 44256.

The evening program will be presented by **Ed Eyerdom K8NVR** who will present "Backup Power" to explain:

- Portable gasoline standby generators
- Permanently installed natural gas/propane generators
- Generator home connections and transfer switches
- Deep Cycle battery systems, charging methods, and pure sine wave inverters
- Solar panels and Deep Cycle battery applications
- 13.8 Volt DC voltage boosters

Meetings are open to anyone interested in Amateur Radio or electronics.

General Meeting Venues:

JVS = Medina County Career Center
Room 246
1101 West Liberty Street
Medina 44256

Sr = Medina County Senior Center (Basement)
aka: Medina County Office for Older Adults
246 Northland Drive
Medina 44256

Meetings start at 7:30pm

MCARC (M2M) Calendar

December 9, 2019	General Meeting	JVS
January 13, 2020	General meeting	
February 10, 2020	General Meeting	

Ohio ARRL Hamfests

12/07/2019

Location: Memorial Hall

401 Main Street
Delta, OH 43515

Website: <http://k8bxq.org/hamfest>

Sponsor: Fulton County Amateur Radio Club

Talk-In: 147.195+ (PL 103.5)

Public Contact: Bryan Patterson KB8ELG
8202 County Road, 6-2 Delta, OH 43515

Phone: 419-250-6694

Email: kb8elg@hotmail.com

ARRL Contests December

Dec 6-8 160-Meter Contest

Dec 14-15 10-Meter Contest

Dec 22 Rookie Roundup - CW



Member of the Month – Dave Oravec N8JNX – Trustee

Name & Call Sign

My name is Dave Oravec N8JNX and I live in Medina Twp. I just picked up my General this past spring thanks in part to Toby, WT80 (my mentor and sometimes tormentor) and the CARS group class. My call sign was assigned, not a vanity call and just seemed to stick as I tell folks to think of "the jinx" when trying to remember my call.

How long have you been a ham?

Originally licensed as a novice in early 1988 as KB8DVG. I upgraded to technician the following year, receiving my current call for about 30 years. As with many folks, I was "radio dormant" for periods of time as life happened -- but I always kept an interest in radio.

How long have you been a member of M2M?

I've only been an active member of M2M for the past 3 years, though I had occasionally attended some meetings and a couple of Field Days prior to that. Before moving to Medina County 11.5 years ago, I lived in Brook Park and grew up in Berea. I'm a past member of North Coast, CARS and LEARA radio groups.

What/who got you interested in amateur radio?

Growing up in the 1970s I inherited an AM clock radio and set it up near my bed often listening at night. Call signs like WSM, WSB, KYW, KMOX, WWL, WBAP and WCCO would magically punch thru the noise. I would find their location and look them up on a map. In my teens I saved my lawn-cutting money and bought a 6-channel, battery

operated, crystal controlled scanner and some crystals from Radio Shack -- I still have that radio and it works -- I then bought a shortwave receiver and of course my dad had a CB in the car so that was my first 2-way radio experience.

What modes of operation do you like best?

I've mainly only operated FM on 6, 2, 220 and 440 and SSB on 10 and 6 meters. I recently picked up an Icom 7300 put up a 1/2 wave end-fed wire just before the weather changed, so am looking forward to playing with that through the winter. I have tinkered with DMR and want to try some of the HF digital modes in addition to phone.

Awards, activities, nets:

I'm active with the Medina County EMA Communications Unit / ARES group. I've also taken a number of (free) emergency management courses offered through the Ohio EMA and FEMA. I am also involved in several Slovak social groups (my nationality) as they have picnics, parties and cultural activities throughout the year. I was recently elected to be a Trustee of the MCARC group and look forward to helping out behind the scenes and learning more about the care and feeding of the repeaters. I finally made it to Dayton for the first time this year and loved it.

What line of work were/are you in?

CNC machining currently, although I have worked in aviation (civilian and military) and several facets of the medical field. I retired from the US Air Force Reserve (Youngstown OH) as a C-130



Dave with Diane KD8SSX at Field Day 2018

Engine mechanic after 22 years, and served 4 years active duty US Marine Corps attached to a helicopter group stationed at Camp Pendleton, CA and Okinawa.

Other Hobbies?

I enjoy taking day trips, often to Amish country or Port Clinton area, as well as shooting, camping, yard work, gardening and a variety of music. I had my private pilot's license for some years in the 1980s and had the opportunity to fly in Okinawa, Southern California and Northern Ohio before having to give it up due to cost. I use to travel a fair amount when I worked for the airlines and have spent a lot of time in Arizona, where a lot of my family settled after leaving this area.

What would you like to see in MCARC?

I think we have a great club here and I'm glad to be a small part of it. Field Day and other get-togethers all help build respect, friendships and common bonds -- and that's a good thing for any organization. Perhaps an occasional nice diner out together at a local restaurant would be a good addition and not too difficult to organize.

Robotic 'Mayflower' to cross the Atlantic on 400th anniversary of Pilgrims' journey



Four hundred years after the Mayflower crossed the Atlantic Ocean in 1620 and brought the Pilgrims to America, a new kind of ship is poised to make the same 3,200-mile voyage — but this time there won't be a single human on board.

The Mayflower Autonomous Ship will set sail from Plymouth, England, on Sept. 6, 2020, and is expected to make landfall in Plymouth, Massachusetts, about 12 days later. The futuristic ship — powered by solar and wind energy and guided by GPS — will make the journey as part of an international celebration marking the 400th anniversary of its namesake's crossing.

"There's never really been anything of this scale undertaking a mission of this kind," said Kevin Jones, executive dean of the faculty of science and engineering at the University of Plymouth in England, which is part of a consortium of universities, tech firms and nonprofit organizations involved with the project. "We wanted something that would be visually interesting and forward-looking — something that would capture the public's imagination."

Now under construction in a shipyard in Gdansk, Poland, the sleek trimaran will be 53 feet long and will have solar panels covering its three aluminum hulls. Solar energy will be stored in onboard batteries, and will power the vessel's electric motors and propellers.

The ship's top speed is expected to be about 20 knots (23 miles per hour). Though Jones and his colleagues are hoping to not need it, the vessel will be equipped with a biodiesel backup generator for emergency situations.

The new ship will be equipped with sensors to measure air pressure, water temperature and salinity, and will collect water samples to measure levels of microplastic pollution in the ocean. The vessel will also have acoustic sensors to eavesdrop on marine mammals, such as whales, to study their populations in different regions of the ocean.

"We want to illustrate what an autonomous ship can do, so that it can serve as a gateway to other opportunities," Jones said, referring to his hope that this project will inspire other lines of scientific research.

The Mayflower Autonomous Ship is being built by MSubs, an engineering firm based in Plymouth, England. IBM recently joined the project to oversee development of the artificial intelligence systems that will help the ship navigate and make on-the-fly decisions about its course — including steering clear of other vessels.

Stephen Turnock, a professor of maritime fluid dynamics at the University of Southampton, who is not involved with the project, praised the ship's innovative design and its hull-integrated solar panels but questioned whether the ship would be able to cope with any stormy weather it encounters on the passage.

"Because of its size, you do worry about if extreme weather comes in, how it might survive in those conditions," he said. "The sea can be a very extreme environment, and sometimes even with someone onboard a vessel, there's nothing they can do to withstand those conditions."

Turnock said it was unlikely that a successful crossing by the new ship would lead to fleets of autonomous ships, particularly large cargo ships. But, he said, the same technologies seen on the new ship could be used on existing vessels to make them safer and more efficient.

"We probably won't have fully autonomous ships, because you'd always want someone looking after security, but what people do onboard the ship could be very different from what they do at the moment," he said. "Some functions may well be looked after remotely or by automatic systems, which will reduce the number of crew you need. ... We'll get a lot of valuable information back from this whole process."

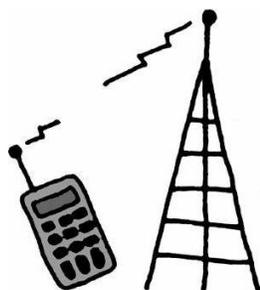
NBC News October 19, 2019, By Denise Chow

MCARC (M2M) Repeaters

05/11/2018

Call	Location	Function	Repeater Input	Repeater Output	CTCSS (PL)	Band
W8EOC	Medina (Main Site)	Repeater TX & RX	147.630	147.030	141.3	2 Meter
W8EOC	Brunswick (North)	Receive only	147.630	From Main Site	131.8	2 Meter
W8EOC	Lafayette (South)	Receive only	147.630	From Main Site	88.5	2 Meter
W8EOC	Lafayette Litchfield	Split Site Repeater	51.160	51.660	107.2	6 Meter
W8HN	Medina	Digital C4FM TX & RX Repeater	147.885	147.285	(0)	2 Meter
		Analog TX & RX Repeater	147.885	147.285	(110.9)	2 Meter
W8UQZ	Medina	Repeater TX & RX	223.260	224.860	-	1.25 Meter
W8EOC	Lafayette	Repeater TX & RX	449.925	444.925	131.8	70 CM

Remember to check in to the 2-Meter Net 147.030 on non-meeting, Monday evenings at 7:30pm.



MCARC (M2M) Monday Night 2-Meter Net Control

25-Nov-2019	K8IIT	2-Dec-2019	K8TV
9-Dec-2019	Meeting	16-Dec-2019	KD8SST
23-Dec-2019	K2KSU	30-Dec-2019	

ARRL Membership

Please consider paying your dues for ARRL membership through our club Treasurer, Gail KD8GGM. **M2M will retain \$15.00 for each NEW membership and \$2.00 for each renewal.**

Yearly dues are \$49.00 for regular membership, \$25.00 for youth under age 21 being oldest Ham in household, and \$10.00 for Additional Ham member in family. All but Additional Ham memberships will receive the monthly QST magazine. Dues can be paid by cash, **personal check made out to "Medina Two Meter Group"** or credit card.

A copy of the ARRL Membership Application/Renewal form is appended to this newsletter). Please return it with payment to: Gail Helwig KD8GGM, Treasurer, M2M Group, 12891 East River Road, Columbia Station, Ohio 44028. (Do not mail cash, give it to Gail at the next meeting.)

MCARC (M2M) News Beacon

M2M GROUP, INC
 We're on the Web!
 See us at:
www.W8EOC.org

Also,
 "Like Us" on Facebook
 "Medina County Amateur Radio Club"



Who's Who

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

VP: Diane Snider KD8SSX

Treasurer:
 Gail Helwig KD8GGM

Secretary:
 Ray Orobona K2RWO

W8EOC Repeaters:
 Ken Koyan K8TV
 Ed Eyerdorn K8NVR

State Certification:
 Don Duman W8DD

Trustees:
 Doug McClure KD8SST
 Dave Swancer KE8APO
 Dave Oravec N8JNX
 Amy Panchumarti K2KSU
 Ed Eyerdorn K8NVR

Sunshine:
 Diane Snider KD8SSX

Newsletter:
 Jane Reed K8JGR

Field Day:
 Fred Helwig K8FH

Website:
 Jane Reed K8JGR

Net Scheduling:
 Baji Panchumarti K8IIT

Social Events:
 Gail Helwig KD8GGM

Skywarn:
 Tracey Liston W8TWL

MECARS/ARES:
 Jim Bodnar W8UQZ

RACES:
 Dave Rickon NF80

Program:
 Toby Kolman W8TO

About Our Organization...

The Medina County Amateur Radio Club (M2M) is a nonprofit, ARRL Special Service registered, amateur radio organization based in Medina County, dedicated to communication, public service, education and fellowship.

such as bicycle and foot races. We meet on the second Monday of each month at either the Medina County Senior Center (Sr) or the Medina County Career (JVS) Center. See Website or page three for more information.

Many of our members also are involved with Skywarn, ARES/MECARS, RACES, and assist with community events



MEDINA TWO METER GROUP (M2M) INC.
 DBA: MEDINA COUNTY AMATEUR RADIO CLUB
 1254 HADCOCK RD
 BRUNSWICK, OHIO 44212



TO:





ARRL The national association for
AMATEUR RADIO®

Membership Application

Application for use by ARRL Affiliated Clubs

Contact Information

- I am a brand new member or my membership has been lapsed for 2 or more years. My club will keep \$15 of my dues.
 I am renewing (includes lapsed members of less than 2 years). My club will keep \$2.00 of my dues.

Name _____ Call Sign _____

Address _____

City _____ State _____ ZIP _____

Email _____ Phone _____

Date of Birth ____/____/____ Get an annual birthday coupon (US only)

My Family Member is Joining or Renewing: (\$10 per member)

Name _____ Call Sign _____

Name _____ Call Sign _____

Your Annual Membership Dues – Circle Your Choice/s.

	1 Year	2 Years	3 Years	
US	\$49	\$95	\$140	Monthly QST via standard mail for US members
Youth	\$25			Must be 21 years old or younger AND the oldest licensed Radio Amateur in the household
Canada	\$62	\$120	\$177	Monthly QST via standard mail for Canadian members
International	\$76	\$147	\$217	Monthly QST via standard mail for International members
International/Canada – no print QST	\$49	\$95	\$140	Digital QST only
Family	\$10	\$20	\$30	Must reside with primary member and have corresponding membership dates; no extra copies of QST
Blind	\$10	\$20	\$30	No QST delivery; all other member benefits apply. Requires a one time signed and dated statement of Legal Blindness

Additional membership options available online at www.arrl.org/join. US Memberships include \$21 per year for subscription to QST. Dues are subject to change without notice and are non-refundable. Only one free book and one monthly issue of QST per family. Memberships may not be combined with any other promotion or special offer.

- I do not want my name and address made available for non-ARRL related mailings.

Payment Information

Please charge my ARRL dues less my club's commission. I have paid the commission directly to my club.

\$ _____ Total Charge to: Visa MasterCard Amex Discover Check Enclosed

Card Number _____ Expiration Date _____

Card Holder's Signature _____

ARRL = 225 Main Street = Newington, CT 06111-1494 = USA
Toll free (US) 1-888-277-5289 or 860-594-0200 = www.arrl.org/join