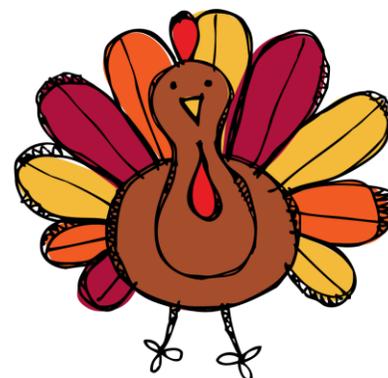


M2M News Beacon

Member to Member News Beacon



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Prez's Preface

"When asked if my cup is half-full or half-empty my only response is that I am thankful I have a cup."
- Sam Lefkowitz

So, there are always things to be thankful for... family, friends, hobbies, sunny days, the aroma of pumpkin pie, completion of projects, the end of 2020... Sometimes getting back to basics gives us a fresh new perspective on life.

Like many of you, I have spent time in our self-imposed isolation to finally get around to tackling radio/ antenna/ home improvement projects.

In fact, October was spent splicing in some new coax and redecorating the guest bedroom for occasional grandkids' visits.

I will tackle an HF antenna problem in November and hope to see the long-delayed completion of new baseboards and trim in the living room and remaining two bedrooms. My home interior will finally match!

With any luck, winter will allow some time for soldering and tinkering with some kits and electrical repair jobs that have been gathering dust.

If there is any truth in the saying, "An idle mind is the devil's workshop," we should all be safe from eternal damnation if hands are kept busy!

Perhaps by the time exhaustion, loneliness, and

melancholy set in, it will be springtime with its promise of a bright new year and a return to some degree of normalcy in our lives.

In the meantime, be thankful you have a cup to hold the dreams of the future.

Best wishes for a Happy and Safe Thanksgiving,

73,

Jane K8JGR (216-570-8500)
jane@K8JGR.radio



This and That

- The November MCARC General Meeting will again be held on-air due to Covid restrictions on gatherings.
- MCARC received a thank you letter from the Safety Forces Support Center for a donation the club made on behalf of SK Don Duman W8DD's family.
- Please keep Judy, Ray Orobana's wife in your thoughts while she recovers from a nasty fall while on vacation in New York.

MCARC October 12th On-Air General Meeting Minutes

The October 12th, 2020 Member Meeting was held on-air because of Coronavirus restrictions.

The net opened at 7:30pm with check-ins logging onto the 147.030MHz repeater. The net was controlled by Toby WT80. The following paid members (and *guests*) were present (X - not) for the network meeting:

Toby WT80 - NCO	Ed K8NVR	Diane KD8SSX	<i>Fred N8AHS -X</i>
Gordon AI8Y - X	Ken K8TV	Baji K8IIT	
Dave N8JNX	Julio KE8JIE	Frank KN4AW	
Jane K8JGR	Doug KD8SST	Amy K2KSU	
Dave KE8APO	Steve KE8BJD	Jack N8NDL	

14 members present for meeting, Quorum (9) was reached.

NCO, Toby, asked net participants for their first go-around comments.

Toby then transferred control over to Jane K8JGR to conduct the regular monthly meeting...

The meeting was called to order at 7:56pm and opened with the Pledge of Allegiance.

Secretary's Report – Motion to accept the Secretary's Minutes of the September 14, 2020 on-air meeting as published in the October Newsletter: Motion: Diane KD8SSX, 2nd Dave N8JNX. There were no objections or corrections, so the minutes were approved as presented.

Treasurer's Report – Prepared by Treasurer, Gail KD8GGM, read by Diane KD8SSX. Motion to approve by Dave KE8APO, 2nd Julio KE8JIE. Approved as read.

President's Report:

- "Pseudo" ballots are being emailed to Club members by Google groups. Diane KD8SSX is the Election Chair, so if you do not receive a ballot in your email, contact her with your correct email address, and a ballot will be sent to you. There is only one nominee for each of the six open offices, but there is a space to write in candidate's names - be sure you have their permission if you offer their name for office. During normal, in-person elections, we only have to cast 1 official ballot for each non-contested office, but with the Covid restrictions, this is the only way to have our election. The ballots will not be anonymous. As most people do not have a way to enter a signature, just print your name and call sign on the signature line, so Diane can verify paid-up membership. Return the filled-out ballots to the Election Chair, Diane, at the email address on the ballot. All ballots must be returned no later than 7:00 P.M. on November 9, 2020, the date of our next on-air meeting. No late ballots will be counted.
- We are still planning on holding Zoom, on-line technical sessions.

Announcements/ Comments:

- Ken K8TV - working on a solution to the south site tower.
- Dave N8JNX - a real Hamfest is being held by the Massillon Amateur Radio Club at the MAPS museum building by the Akron-Canton airport.
- Baji K8IIT - if you don't have a word program on your computer, you can use libreoffice.org to open your ballot and vote. Jane asked if a pdf file could be used, but Baji said it would have to be printed and mailed.

Motion to Adjourn meeting at 8:08pm made by Doug KD8SST and seconded by Diane KD8SSX.

.....

Jane K8JGR transferred control back to NCO, Toby WT80, who continued the net with a second round of comments, before returning the repeater back to normal operations.

Respectfully submitted by Diane KD8SSX

November 9th, On-Air Meeting

The Medina County Amateur Radio Club will *not* be holding *in-person* meetings until the threat of Coronavirus is under control.

However, Monday, November 9th, the Club will hold the *meeting during a special 2-meter net* at 7:30 pm. See page 6 for frequency and tone.

MCARC (M2M) Calendar

- November 2 7:30pm Monday Night 2M Net
- November 9 7:30pm MCARC On-Air General Meeting
- November 16 7:30pm Monday Night 2M Net
- November 23 7:30pm Monday Night 2M Net
- November 30 7:30pm Monday Night 2M Net

November ARRL Contests

- 7-9 Nov. Sweepstakes – CW
- 21-23 Nov. Sweepstakes – Phone
- 28-29 EME - 50 to 1296 MHz

October Ohio ARRL Hamfests

- November 1 - Massillon Hamfest
- Location: Green, OH
- Sponsor: Massillon Amateur Radio Club
- Website: <http://www.w8np.org>

Hamatuer Antix



Trustees Voted Approval for the Following:

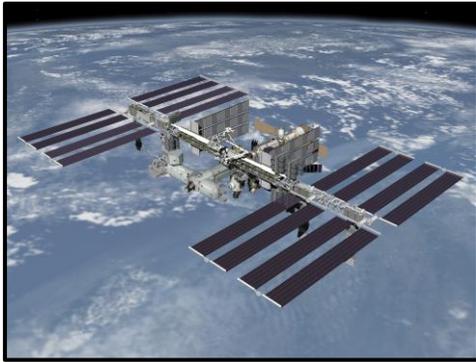
I have been working on our spare Yaesu repeater which has a transmit problem. There is a limited amount of testing that I can do because of the miniature surface mount components, the lack of dedicated control lines, and limited test documentation. Module communication is via serial data lines, and I have no way of monitoring it.

The only way that I can properly troubleshoot any of our Yaesu repeaters is to have spare modules. I was planning to swap out the Brunswick transmit module, but I don't like taking components out of our working systems. I contacted Ken. He owns a Yaesu repeater, and he agreed to let me use his repeater to perform module swaps. Once I locate the bad module, I will return it to Yaesu for repair or replacement. I do not want to return the entire repeater assembly when I can return just the bad module.

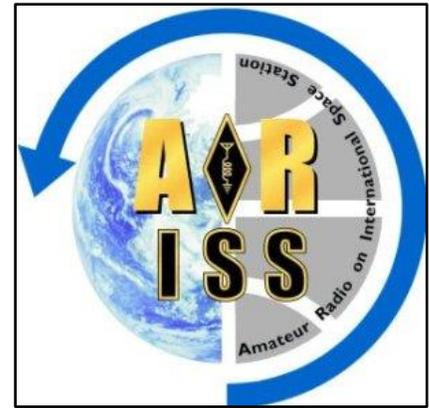
After speaking with Ken, he asked if the club would like to purchase his repeater which has very little use. He is asking \$500 and that is what we paid for ours when Yaesu had the special offer. These repeaters sell today for \$1650 at HRO. I am in favor of accepting his offer and purchasing his repeater. It will make my job much simpler in maintaining our equipment. A spare repeater will essentially be a piece of test gear that we need to service this type of equipment.

Thanks, Ed K8NVR

ISS 437.800 MHz Cross-Band FM Repeater Activated



International Space Station – Image Credit NASA



At 01:02 GMT on September 2, 2020 a cross band FM amateur radio repeater with a downlink on 437.800 MHz was activated on the International Space Station.

The Amateur Radio on the International Space Station (ARISS) announcement reads:

The ARISS team is pleased to announce that set up and installation of the first element of our next generation radio system was completed and amateur radio operations with it are now underway. This first element, dubbed the InterOperable Radio System (IORS), was installed in the International Space Station Columbus module. The IORS replaces the Ericsson radio system and packet module that were originally certified for spaceflight on July 26, 2000.

Initial operation of the new radio system is in FM cross band repeater mode using an uplink frequency of 145.990 MHz with an access tone [CTCSS] of 67 Hz and a downlink frequency of 437.800 MHz. System activation was first observed at 01:02 UTC on September 2. Special operations will continue to be announced.

The IORS was launched from Kennedy Space Center on March 6, 2020 on board the SpaceX CRS-20 resupply mission. It consists of a special, space-modified JVC Kenwood D710GA transceiver, an ARISS developed multi-voltage power supply and interconnecting cables. The design, development, fabrication, testing, and launch of the first IORS was an incredible five-year engineering achievement accomplished by the ARISS hardware volunteer team. It will enable new, exciting capabilities for ham radio operators, students, and the general public. Capabilities include a higher power radio, voice repeater, digital packet radio (APRS) capabilities and a Kenwood VC-H1 slow scan television (SSTV) system.

A second IORS undergoes flight certification and will be launched later for installation in the Russian Service module. This second system enables dual, simultaneous operations, (e.g. voice repeater and APRS packet), providing diverse opportunities for radio amateurs. It also provides on-orbit redundancy to ensure continuous operations in the event of an IORS component failure.

Next-gen development efforts continue. For the IORS, parts are being procured and a total of ten systems are being fabricated to support flight, additional flight spares, ground testing and astronaut training. Follow-on next generation radio system elements include an L-band repeater uplink capability, currently in development, and a flight Raspberry-Pi, dubbed "ARISS-Pi," that is just beginning the design phase. The ARISS-Pi promises operations autonomy and enhanced SSTV operations.

ARISS is run almost entirely by volunteers, and with the help of generous contributions from ARISS sponsors and individuals. Donations to the ARISS program for next generation hardware developments, operations, education, and administration are welcome — please go to <https://www.ariss.org/donate.html> to contribute to these efforts.

ARISS—Celebrating 20 years of continuous amateur radio operations on the ISS!

ARRL Urges Members to Join in Strongly Opposing FCC's Application Fees Proposal



ARRL will file comments in firm opposition to an FCC proposal to impose a \$50 fee on amateur radio license and application fees. With the November 16 comment deadline fast approaching, ARRL urges members to add their voices to ARRL's by filing opposition comments of their own. The FCC *Notice of Proposed Rulemaking (NPRM)* MDDocket 20-270 appeared in the October 15 edition of *The Federal Register* and sets deadlines of November 16 to comment and November 30 to post reply comments, which are comments on comments already filed. ARRL has prepared a *Guide to Filing Comments with the FCC* which includes tips for preparing comments and step-by-step filing instructions. File comments on MD Docket 20-270 using the FCC's Electronic Comment Filing System (ECFS).

"We encourage all members to use the ARRL *Guide* to file comments opposing the imposition of the proposed \$50 application fee," ARRL President Rick Roderick, K5UR, said. "Let's highlight amateur radio's long history of public service."

Under the proposal, amateur radio licensees would pay a \$50 fee for each amateur radio application for new licenses, license renewals, upgrades to existing licenses, and vanity call sign requests. The FCC has also proposed a \$50 fee to obtain a printed copy of a license. Excluded are applications for administrative updates, such as changes of address, and annual regulatory fees. Amateur Service licensees have been exempt from application fees for several years.

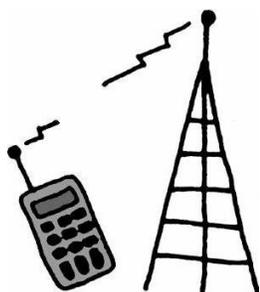
The FCC proposal is contained in a *Notice of Proposed Rulemaking (NPRM)* in MD Docket 20-270, which was adopted to implement portions of the "Repack Airwaves Yielding Better Access for Users of Modern Services Act" of 2018 -- the so-called "Ray Baum's Act." The Act requires that the FCC switch from a congressionally mandated fee structure to a cost-based system of assessment.

The FCC *NPRM* proposes application fees for a broad range of services that use the FCC's Universal Licensing System (ULS), including the Amateur Radio Service. The 2018 statute excludes the Amateur Service from annual regulatory fees, but not from application fees. The proposal affects all FCC services and does not single out amateur radio. As the FCC explained in its *NPRM*, Congress, through the Ray Baum's Act, is compelling regulatory agencies such as the FCC to recover from applicants the costs involved in filing and handling applications. Read more and visit ARRL's summary page for the proceeding.



MCARC (M2M) Repeaters

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



Call	Location	Function	Repeater Input	Repeater Directories		Band
				Repeater Output	CTCSS (PL)	
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
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

MCARC (M2M) Monday Night 2-Meter Net Control

26-Oct-2020	K8IIT	02-Nov-2020	K8TV
09-Nov-2020	Meeting	16-Nov-2020	K2KSU
23-Nov-2020		30-Nov-2020	KD8SST

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 can be obtained from Gail Helwig KD8GGM, Treasurer, M2M Group, 12891 East River Road, Columbia Station, Ohio 44028.

Who's Who

We're on the Web!

See us at:

www.W8EOC.org

Also,

**"Like Us" on
Facebook**

**"Medina County
Amateur Radio
Club"**



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 Eyerdorm K8NVR

State Certification:

Don Duman SK W8DD

Trustees:

Doug McClure KD8SST

Dave Swancer KE8APO

Dave Oravec N8JNX

Amy Panchumarti K2KSU

Ed Eyerdorm 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

MECARS/ARES:

Bob Mueller K8MD

RACES:

Dave Rickon NF80

Program:

Toby Kolman WT8O

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.

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

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.



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

TO: