

# The Hertzian Herald



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Hello everyone,

I hope you all are doing well and are enjoying the nice days that this time of year brings us. It's remarkable the climate has changed so much since I was a kid. Winter's snowmen don't stick around very long anymore and the poor little rich kid next door only had a few weeks to skate around his backyard rink this year. It's hard not to enjoy the warmer winters until I think about the bad storms, wildfires, hurricanes and tornados that are on the rise. Thanks to the guys who do storm watch.



R.I.P. Bob Heil K9EID. We have all benefited from the work he did in ham radio, especially in the promotion of our hobby. Even if you weren't a "ham" you benefited from the improvements he engineered for music recording and public performance. For myself, I often tried to listen for his call in the morning, hoping to make a contact with him. I met him in person at Dayton but I never had the pleasure to talk with him on the air. He was always promoting the hobby. Who's gonna fill those shoes?

The 2024 total solar eclipse will begin on the afternoon April 8, 2024. It's not too late to request the special cardboard glasses from "Destination Toledo", They will send you 2 pairs upon request, in the mail. Many hams will be operating for science during the event. Lots of info on the web for you to find if you look. There will be approximately 2 minutes of totality (darkness) in the Toledo area. More time if you travel towards the Sandusky, Oh area.

ARISS is celebrating the 40th Anniversary of Ham Radio From Space. It's a long way from the Sputnik event when I was a kid. I am just old enough to remember it as a news event that was talked about with my family. Does anyone remember building Estes powered rockets?

I hope to see you all at our next meeting,

Good health to you and 73

Keith, KJ8H



## Club T-Shirts

Anyone interested in purchasing a T-Shirt with the club logo on the back and call sign on the front pocket please contact Barb, NM8I at:  
[barbara.wilson.4496@gmail.com](mailto:barbara.wilson.4496@gmail.com).  
Shirts are \$16 for Reg. sizes and a little more for Big sizes.

<http://mcrca.org/>

[www.facebook.com/  
groups/  
1643856795878368/](https://www.facebook.com/groups/1643856795878368/)

### Club Officers

#### PRESIDENT

Keith Hutchinson KJ8H  
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#### VICE PRESIDENT

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#### DIRECTOR

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#### DIRECTOR

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Wes Busdiecker KC8SKP  
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**MCRCA Meeting Minutes for February 15, 2024**

Meeting called to order at 7:30 pm, by Keith KJ8H.

Pledge of Allegiance

Introductions: One new members, one upgrade and no guests.

New member: Dan Kay KB8AQJ, upgrade: James WD8NWF

MINUTES: Motion by Don N8BZN, supported by Barb NM8I, to approve as written in the Herald. Approved.

TREASURER REPORT: Motion by Don N8BZN, supported by Dale WA8EFK, to approve the treasurer's report as passed out to the membership. Approved.

DX REPORT: Tom KG8P, Doing Program on DX

CONTESTING: Paul W8PI, ARRL Int'l DX Contest, CW and SSB.

QSO Parties: NC, SC, OK, ID, WI, VA. -- Also: CQWW WPW SSB Contest.

TESTING: Paul - Next session - Sat. Feb. 17, 2024. **Appointments Preferred - FRN and email req'd**

CLASSES: Sat. April 13, 2024 contact Don N8BZN – **Technician class**. February class was canceled for lack of participation. NO CLASS IN JUNE. Don will start making them pay up front because of too many no shows.

ARPSC: Report in Herald. Skywarn, March 5<sup>th</sup>. Erie Race March 9<sup>th</sup>. Meetings held first Thursday of the month.

ARRL: No report available

RRRA: Mike N8KUF, the raspberry Pi that failed came back on and everything is functional and on the air again.

OLD BUSINESS: Barb NM8I, Club T-shirts. The logo with the white background was selected and your call sign embroidered on the front pocket. \$16 for regular sizes a little more for big sizes.

NEW BUSINESS: Mike N8KUF, had several questions for the club. (1) Who is interested in Foxhunts? (2) Why not? (3) When would be best for you? Weekday, Weekend, Evening, or any other options? (4) Anyone interested in building antennas, or attenuators? Please contact Mike N8KUF with your many answers.

Dale WA8EFK: volunteered to be program director. Any ideas please pass them on to Dale.

DOOR PRIZE DRAWING: John WA8YZB, and Paul W8PI

50/50: Tony KE8NSU, donated \$5 to Scholarship.

ANNOUNCEMENTS: Livonia Swap Feb. 17, 2024. TMRA swap Sunday, March 17, 2024

PROGRAM: Tom KG8P, talked and showed a video on a DX

ADJOURNED: 8:54 pm

ATTENDANCE: 20

KE8PUN Aaron  
K8EBI Fred  
WA8YZB John  
W8PI Paul  
KG8P Tom

NM8I Barb  
KB8OSU George  
KJ8H Keith  
KE8OSX Ron  
KE8NSU Tony

WA8EFK Dale  
WD8NWF James  
N8KUF Mike  
N8NYP Terry  
KC8SKP Wes

N8BZN Don  
KN8CR Jeff  
KA8PQH Neil  
N8OSC Tom  
KB8AQJ Dan

**Committees****Club Station**

Wes Busdiecker KC8SKP

**DX Net**

Soon

**Field Day**

Jeff Breitner KA8NCR

**Finance**

Paul Trouten W8PI (chair)

Fred VanDaele K8EBI

Dale Williams WA8EFK

**HamFest**

Fred VanDaele K8EBI

ka8ebi@yahoo.com

**Hertzian Herald**

Fred VanDaele K8EBI

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**Historian**

Paul Trouten W8PI

**Public Relations**

Terry Kolton N8NYP

Tom Imlach KE8KNZ

**Scholarship**

Fred VanDaele K8EBI

ka8ebi@yahoo.com

**Program Chairman**

Dale WA8EFK

dale.wms1@frontier.com

**Membership**

Terry Kolton N8NYP

n8nyp@arrl.net

**Property Custodian**

Paul Trouten W8PI

## It is an exciting time to a part of the Monroe ARPSC team.

I was honored to be 1 of 2 Amateur Operators selected to represent District 2 (Monroe, Washtenaw, Wayne, Oakland, Macomb and St. Clair Counties) at the Michigan Interoperability Conference in Muskegon the last week of February. This is an excellent conference put on by the Interoperability Board of Michigan Public Safety Communications System. This conference is attended not only by Amateur Radio, but Emergency Management, Dispatchers, Fire and Law Enforcement representatives from all over Michigan along with folks from Indiana, Wisconsin and the Federal Government. Anyone who deals with communications in any form in the Public Safety realm attends the conference to learn about each other, the issues they face and discuss how to communicate with each other over dissimilar systems to keep the public safe.

During the conference I learned a lot at the multiple daily sessions, and came away with lots of ideas, an appreciation for thinking outside the box and found out just how much Monroe EMD appreciates our contributions to the county. Even better, that appreciation was vocalized highly to one entire session at the conference during a presentation by our county Assistant Emergency Manager and the Solution Area Planner who is also the regional Incident Management Team coordinator. Our District 2 DEC and the State Emergency Coordinator both came up to me after and voiced their congratulations for the praise the Monroe team received. That is not just the work I put in, but the work that each and every person that participates on the team puts in and I wish you all could have been there to accept the praise because you are the reason for those accolades.

Also at the conference I talked with many folks from the State, Department of Energy, and FEMA about the upcoming Operation Cobalt Magnet in March 2025. This will be a LARGE scale drill dealing with Fermi II. There is already over 1,200 participants expected to participate from Federal, State, Local response agencies and parts of Canada. It will be a full 7 days of operations, running the full 24 hours each day. Amateur Radio is expected to have a substantial part in this event and we will be looking for lots of help. More information will be coming this summer and we need to make sure we are ready and can show everyone why the Monroe team is one of the best out there. Are you up to the challenge?

On March 5<sup>th</sup>, ARPSC helped host the Nation Weather Service Detroit/Pontiac Office SKYWARN Training for Monroe County at the Dundee Old Mill Museum. We had 44 participants with 12 of those being Amateur Radio Operators. I want to give a huge Thank You and appreciation to those members that attended and helped with set-up, registration, directing people to the correct door, passing out hand outs, and cleaning up afterwards. Ed Keller WS8Y, Jim Toomey WD8NWF, Terry Kolton N8NYP, Jeff Giles K8OLV, Brian Paules KE8WYY, Mark Wheeler W8MCW, and Rodney Haddix KD8ZNZ.

Due in a small part to the upcoming event there is some exciting news coming from the county for ARPSC.. Once everything is lined up, I will share the news..I think everyone will be surprised.....Again—an exciting time to be a part of a great team!

We have many upcoming events upcoming that we have been invited to participate in due to our track record.

The calendar for the spring and summer is filling quickly and we have a lot of events scheduled with more in the process being added. Watch the calendar at [MARPSC.org](http://MARPSC.org) for events and sign up under the “Upcoming Public Service Events” by clicking on the Event Sign up link at the top of the page. Please read description of each event before you sign up as some events may require specific training or authorizations. You will receive an email with the events you sign up for, please save the included link in case you want to participate in additional events or need to withdraw.

April 4th ARPSC Meeting 7:30pm -Professionalism

April 6<sup>th</sup> Saturday Session 9am FLDigi-Sending Files and Macros

May 2<sup>nd</sup> ARPSC Meeting 7:30pm-Field Operation

May 4<sup>th</sup>- RRRRA Meeting Red Cross 10am

May 11<sup>th</sup>- Michigan Spring SET

June 6<sup>th</sup> ARPSC Meeting 7:30pm-Radiological Emergency Preparedness (REP 101) Training—This training is required for anyone that wishes to participate in the Fermi Drills this year or the Cobalt Magnet Exercise in 2025.

June 8<sup>th</sup> Erie Race for the Kids 5k 8am St Joseph Church Erie—Need 13 Operators

June 11<sup>th</sup> Fermi RDCC Practice Drill Bedford High School-Need 2-3 Ops

Friday June 14<sup>th</sup>- Bedford Vets 5K Race—\*Time and Operators TBD\*\* New event

Thursday July 4<sup>th</sup>- 9am Dundee Independence Parade-9am Dundee High School-Need 7-10 Operators

July Meeting July 11<sup>th</sup> \*\*NOTE NEW DATE DUE TO JULY 4TH HOLIDAY\*\* 7:30pm

Tuesday July 23<sup>rd</sup> 8am-3pm Fermex Practice Exercise-Need 3-4 Ops MUST have REP101 Training

July 30<sup>th</sup>-Aug 3rd Monroe County Fair- Assist for IMT Operations- Must have county ID

August 1<sup>st</sup> ARPSC Meeting 7:30pm

Aug 9<sup>th</sup>-11<sup>th</sup> Dundee Bicentennial Event\*\*\*New Event\*\* Unsure on days/times needed-Stay Tuned  
Tuesday Aug 13<sup>th</sup> 8am-3pm Fermex Practice Exercise-Need 3-4 Ops MUST have REP101 Training  
8am-3pm Fermex Federal Evaluated Drill-Need 3-4 Ops MUST have REP101 Training and County ID Tuesday August 27<sup>th</sup>

If you are interested in honing your skills or building new ones, please feel free to stop in to any of our meetings or training sessions, or participate on our nets. We are here to help every operator learn and perform better. It doesn't matter if your call sign was just posted on the FCC database or you have had your ticket for decades, we are always looking for additional operators.

ARPSC meetings are usually the first Thursday of every month at 7:30pm at the EMD on Raisinville Rd. The next meeting is Thursday April 4th

As always Thanks to the club and the club webmaster for linking our FB and webpage, and to Fred for his time getting this newsletter out.

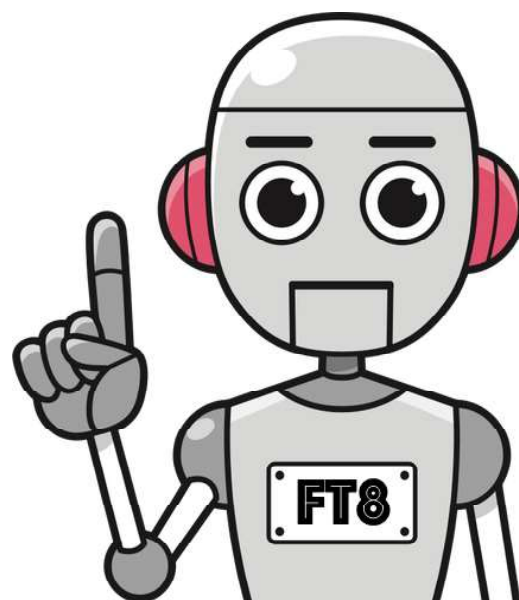
73  
Lance Charter, KE8BYC  
Emergency Coordinator  
Monroe County Amateur Radio Public Service Corps

## Program Chairman

Dale WA8EFK volunteered to take the job of program chairman. At last month's meeting he asked everyone what they would like to learn about Amateur Radio or what their interests were. He made a list on the grease board and everyone gave suggestions. Below is that list from last month. Now that everyone has had more time to think about ideas we can add to this list and help Dale find people capable of presenting a program at a future meeting.

Please contact Dale at the monthly meeting or send him an email for more suggestions. Also if you are capable of presenting a program please let him know so he can set up a meeting for you.

Digital	Fox Hunts
DMR	Building Attenuators
P.25	Building DF antennas
FT8	Tech Stuff
EMCOMM	Building projects
Skywarn	Make PCBs
Better Operation	Antenna Design
Contests	Basic Antennas
Competition	Antenna design software EZNEC
CW Operating	Going Mobile
POTA	
DXing	Go Kits designs
Propagation	How to buy equipment
Keplerian elements	Where to buy equipment
Club Meetings	Transmission Lines
Hamfest Chairman	SDR



# VOLUNTEER



## A Look Inside the Atom

A simple cathode ray tube. One hundred years ago, amidst glowing glass tubes and the hum of electricity, the British physicist J.J. Thomson was venturing into the interior of the atom. At the Cavendish Laboratory at Cambridge University, Thomson was experimenting with currents of electricity inside empty glass tubes. He was investigating a longstanding puzzle known as “cathode rays.” His experiments prompted him to make a bold proposal: these mysterious rays are streams of particles much smaller than atoms, they are in fact minuscule pieces of atoms. He called these particles “corpuscles,” and suggested that they might make up all of the matter in atoms. It was startling to imagine a particle residing inside the atom—most people thought that the atom was indivisible, the most fundamental unit of matter.



Thomson's speculation was not unambiguously supported by his experiments. It took more experimental work by Thomson and others to sort out the confusion. The atom is now known to contain other particles as well. Yet Thomson's bold suggestion that cathode rays were material constituents of atoms turned out to be correct. The rays are made up of electrons: very small, negatively charged particles that are indeed fundamental parts of every atom. “Could anything at first sight seem more impractical than a body which is so small that its mass is an insignificant fraction of the mass of an atom of hydrogen?”

J.J. Thomson's modern ideas and technologies based on the electron, leading to television and the computer and much else, evolved through many difficult steps. Thomson's careful experiments and adventurous hypotheses were followed by crucial experimental and theoretical work by many others in the United Kingdom, Germany, France and elsewhere. These physicists opened for us a new perspective—a view from inside the atom. The Discovery of the Electron was brought to you by the Center for History of Physics a division of the American Institute of Physics All material on this site copyright (c)1997 American Institute of Physics.

## The world's first amateur radio station on the moon is now working.

Japan's small lunar landing demonstration vehicle “SLIM” successfully landed on the moon on January 20th 2024, at around JST 00:20AM, becoming the fifth country in the world to successfully land on the moon.

Of the two small lunar surface probes released from “SLIM” just before landing, “LEV-2” collects data while moving on the lunar surface, and “LEV-1” receives the data and transmits it to amateur radio.

An amateur radio station license has been officially issued to the amateur radio station (JAXA Ham Club JS1YMG) equipped with the “LEV-1” that accomplished this feat. The licensee is “JAXA Amateur Radio Club” (JQ1ZVI), the LEV-1's call sign is “JS1YMG”, and the communications matters are “matters related to amateur business”, not “matters related to space communications business”.

The radio wave model is listed as 100HA1A, 20K0G2D, 250KF8E, the radio frequency is 437.41MHz, and the antenna power is 1W. Furthermore, Radio equipment installation location or movement range includes lunar orbit, and the moon's orbital elements are listed as orbital inclination 5.2 degrees, orbital period 39.214, perigee altitude 360,000 km, apogee altitude 405,000 km.

Daniel Estevez/EA4GP introduces the method and extraction results for demodulating Morse code from the signal sent from “LEV-1” and extracting the code string (call sign and HK data expressed in hexadecimal). <https://destevez.net/2024/01/slim-lunar-landing-radiometry/#more-16486>

This successful transmission from the moon over the ham radio spectrum means some possibilities such as repeater/REF on the moon etc. In mobile public radio fields, MNO(Mobile Network Operator) is considering NTN(Non-Terrestrial Network) and TN(Terrestrial network) convergence. For example, 5G smartphones will be able to access LEO satellites. You can use this link in case of emergency at outer coverage area of 5G.

## Tech Trivia 1

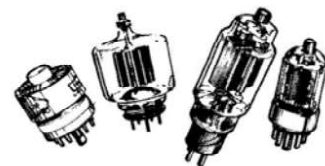
### Hold the Torch and Hand Me the Spanner, Matey

Anyone who has ever QSO'd G-land knows that our British cousins call a vacuum tube a valve, but did you know that they call a filter capacitor a reservoir capacitor? And they don't put up an antenna, they put up an aerial - the masts for which are held in place not by guy wires, but by stays. Also, they don't ground the antenna: they "earth" it.

A Brit doesn't plug in his rig to the AC line with a line cord. He connects it to the mains with a mains flex. If he needs lots of outlets he doesn't use a cube tap or an outlet strip - he uses a trailing socket. And, of course, the mains are 50 Hz, 220 V. The standard ON position for a switch in England is DOWN, not UP as in the USA.



Anyone who has ever QSO'd G-land knows that British cousins call a vacuum tube a valve,



On the bench, Tommy (the equivalent of our "Joe") uses not a protoboard, but a matrix board. And our "jumper wires" are his "wander plugs" or "flying leads." He spells "solder" the same, but pronounces it SOUL-der, not SAH-der.

The Ausies have a few Tech Terms of their own. My favorite is "Jack and Jill" for our "Jack and Plug." Others, which you should be able to recognize from the above discussion are: bucket, spout, hill hoist, deck, and fencing wire.

Next month we'll unearth some trivia about the lowly resistor. 73. Dan, K8JWR

## 2024 ARRL Field Day Theme: Be Radio Active

03/15/2024

The theme for 2024 ARRL Field Day is "Be Radio Active." The event will run on June 22 - 23, and it will be one-part contest, one-part emergency communications exercise, and one-part open house — and a great time. The theme encourages radio amateurs to take advantage of the peak of Solar Cycle 25, which we are nearing. Activity this year is likely to be extremely high thanks to favorable solar conditions. The upper HF bands, such as 15 and 10 meters, should benefit most from the Cycle's peak.



There are resources available already for clubs and individuals to make their Field Day plans. ARRL will publish more information and tools so that hams can make the most of the event as it draws near. Amateurs interested in learning more are invited to join the [Field Day Facebook](#) group to connect with others who are planning for the big weekend.

Find links to all of the resources on the ARRL Field Day web page at [www.arrl.org/field-day](http://www.arrl.org/field-day).



## Monroe County Radio Communications Association

Dues run from January 1st to December 31st of each year. As a current / Past Member, you are invited to attend our monthly meetings to find out the latest plans for our club. You may pay your dues at any regular meeting or by filling in the form below and mailing it to:

**MCRCA, 4 Carl Dr, Monroe, MI 48162.**

Your membership and support will help with the continued success of our club. Thank you.

### MEMBERSHIP APPLICATION / RENEWAL FORM

**Regular – \$10 — Add'l Family – \$5 each**

DATE \_\_\_\_\_ ARRL MEMBER? Y \_\_\_\_\_ N \_\_\_\_\_ RRRRA Member? Y \_\_\_\_\_ N \_\_\_\_\_

NAME \_\_\_\_\_

ADDRESS \_\_\_\_\_ PHONE \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

CALL \_\_\_\_\_ CLASS \_\_\_\_\_ E-MAIL: \_\_\_\_\_

ADDITIONAL Family Members: \_\_\_\_\_

**Please Circle All That Apply:**

Active Bands: 160 80 75 40 30 20 17 15 12 10 6 2 220 440 higher

Modes: CW - SSB – DIGITAL - PACKET - RTTY - FM - DX - MOBILE - EME - SAT - ATV - SSTV

Interests: Traffic - DX - Contests - Foxhunts - Satellites - Nets – Antennas - Computers  
Emergency - ARES/RACES - Skywarn - Classic Radios (circle all that apply)

Do you plan to upgrade your license? Y \_\_\_\_\_ N \_\_\_\_\_ If yes, what class? \_\_\_\_\_

What kinds of meeting programs would you like to see?

\_\_\_\_\_

Other activities you would like to see the Club offer \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

General Comment's \_\_\_\_\_

\_\_\_\_\_

Signature \_\_\_\_\_ Date \_\_\_\_\_





The American Radio Relay League's round-up of the forthcoming week's DX activity on the amateur radio bands

This week's bulletin was made possible with information provided by The Daily DX, 425 DX News, DXNL, Contest Corral from QST and the ARRL Contest Calendar and WA7BNM web sites. Thanks to all.

**BENIN, TY.** Operators F5NVF, F5RAV and M0NPT are QRV as TY5C from Cotonou until March 29. Activity is on the HF bands using CW, SSB, and FT8. This includes being active on Satellite QO 100. QSL direct to F5RAV.

**ST HELENA ISLAND, ZD7.** ZD7GG, with op Torsten, DL9GG, is QRV with a straight key on CW until the end of this month.

**VANUATU, YJ.** Chris, VK2YUS will be QRV as YJ0CA from Port Vila until March 21. Activity will be on 40 to 10 meters using SSB. QSL to home call.

**LESOTHO, 7P.** A multi-national team of DJ9RR, EI2II, EI2JD, EI3ISB, EI3IXB, EI4HH, EI5GM, EI5GSB, EI6FR, EI8KN, EI9HQ, EI9FBB and PA3EWP, will be operating as 7P8EI from March 19 to 30. The group plans to set up 8 rigs for HF. QSL via M0OXO OQRS.

**CURACAO, PJ2.** Andreas, DK5ON will be QRV as PJ2/DK5ON from March 11 to 27. Activity will be on 80 to 6 meters, and possibly 160 meters, using CW, SSB, FT8, and FT4. This includes being active on various Satellites. QSL to home call.

**EAST KIRIBATI, T32.** A group of operators will be QRV as T32EU from Kiritimati Island, IOTA OC 024, from March 12 to 27. Activity will be with three stations on 160 to 6 meters using CW, SSB, RTTY, and FT8. QSL via DL2AWG.

**GALAPAGOS ISLANDS, HC8.** Rick, HC1MD (NE8Z), and Maria, HC1MM will be QRV as HD8MD and HD8MM respectfully, from March 20 to 29. Listen for HD8MM on SSB on 40 through 10 meters and HD8MD on CW, SSB, FT4 and FT8 (sometimes MSHV) on 40 through 6 meters (Grid Locator EI59ec). QSL via LoTW or to the W8 QSL Bureau (via K8LJG or NE8Z).

**SINT MAARTEN, PJ7.** Ken, KJ9B will be active from March 30 to April 6. He'll be operating as PJ7/KJ9B, mostly on FT modes.

**GREENLAND, OX.** Bo, OZ1DJJ is operating as OX3LX until March 22. He will be on the HF bands and satellite QO-100. QSL via OZ0J.

**TURKEY, TA.** TC18M will be on the air from March 15 to 22 to remember the Naval Victory of 1915. They will be in the

Russian DX Contest that weekend, manned by young ops from TCSWAT and GITRAD. QSL through LoTW.

**REUNION ISLAND, TO7.** Giovanni, IZ2DPX will be QRV from April 7 to 18 as TO7PX. Look for him using SSB and FT8 on 40, 30, 20, 17, 15, 12, 10 and 6 Meters. QSL via IK2DUW.

**TIMOR LESTE, 4W.** Satoshi, JH2EUV is QRV as 4W/JH2EUV from Dili until March 19. Activity is on 80 to 10 meters using FT8. QSL to home call.

**TANZANIA, 5H.** Nobby, G0VJF is QRV as 5H3VJG from Zanzibar Island, IOTA AF 032, until March 20. Activity is on the HF bands. This includes being an entry in the RSGB Commonwealth contest. QSL via M0OXO.

**WEST MALAYSIA, 9M2.** Jacek, SP5APW will be QRV as 9W2/SP5APW from Langkawi Island, IOTAAS 058, until March 17. Activity will be on 20 to 6 meters, with an emphasis on 6 meters. QSL to home call.

**MOROCCO, CN.** Yannick, F6FYD will be QRV as CN2YD from Marrakesh until March 23. This includes being active as CN2YD/p on a short visit to Mogador Island, IOTA AF 065. QSL to home call.

**GRENADA, J3.** Operators ON4HIL, ON4MA, ON5RA, ON5TN, ON6CC and ON7RU are QRV as J38R until March 16. Activity is on 160 to 10 meters using CW, SSB, and FT8, with RTTY on 20 meters. QSL via M0URX.

**MARIANA ISLANDS, KH0.** JA6VQA, as WH0B, along with JA6REX and JH6HZH will be QRV from April 25 to 30, using mainly FT8 and FT4 with some CW and SSB, on 160 to 6 meters. Listen for them as WH0B, KH0/JA6REX and KH0/W6HZH, respectively. QSL WH0B via LoTW, eQSL and direct to JA6VQA. QSL KH0/JA6REX and KH0/W6HZH via LoTW, eQSL and Club Log.

**THIS WEEKEND ON THE RADIO.** The PODXS 070 Club St Patrick's Day Contest, BARTG HF RTTY Contest, Russian DX Contest, F9AA Cup, Africa All Mode Int'l DX Contest, AGCW VHF/UHF Contest, All Virginia QSO Party, UBA Spring Contest, Run for the Bacon QRP Contest, Bucharest Digital Contest, RSGB FT4 Contest, and the Walk for the Bacon QRP Contest are on tap for this weekend.

Please see March QST, page 78, and the ARRL and WA7BNM contest websites for details.



## Amateur Radio Examinations Monroe, MI

Monroe County Radio Communications Association Amateur Radio examinations are held the 3<sup>rd</sup> Saturday of every even numbered month at:

American Red Cross Chapter Bldg.  
1645 North Dixie Highway  
Monroe, MI 48161

**Registrations preferred**  
**Call for information.**  
**email address and FRN required**

**2024 Schedule:**  
February 17    April 20  
June 15        August 17  
October 19    December 21

### TESTING BEGINS PROMPTLY AT 9:00 AM

Applicants are expected to have all forms filled out and be ready to take tests at that time. Coffee and doughnuts are available at 8:30 AM. For more information or to make reservations, call Paul Trouten - W8PI at 734-854-2224

#### Join us at the next meeting

March 21<sup>st</sup> at 7:30 pm  
American Red Cross Chapter Bldg.  
1645 North Dixie Highway  
Monroe, MI 48162

#### Local Net

**ARPSC Net** - Every Monday evening on '72-Monroe  
(146.72 Mhz) starting at 8:00pm.

**ARPSC Meeting** first Thursday of every month at the  
EMD office on Raisinville Rd.. 7:00 PM

## One Day Bi-Monthly Technician classes

### Next class will be April 13, 2024

The Monroe County Radio Communications Association (MCRCA) is offering a one-day Amateur Radio course for the entry level Technician class license. The class will run from 8:30 AM to 4:00 PM on the **second Saturday of every even numbered month**. The cost is \$10 and includes lunch, snacks and beverages. The test will be conducted immediately following the class and has a separate fee of \$14. These classes will be held at the Red Cross building, 1645 N Dixie Hwy, Monroe, MI 48162.

There is a maximum class size of 10 people on a first come first served basis and you should sign up no later than 1 week before the class. All study material and testing paperwork will be provided at the time you sign up and you should plan on doing some pre-class studying to make things easier in the class.

If you are interested in becoming a Ham Radio Operator, please call or email me to get signed up for the next class.

N8BZN Don Fritz / (419) 345-4495 after 6PM / [Donfritz56@gmail.com](mailto:Donfritz56@gmail.com)

## New MCRCA Members

Please welcome recent new members to the club.

**Dan Kay, KB8AQJ**