

# The Hertzian Herald



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Welcome spring and Hello to all,

Saturday 11am. It's been very pleasant to enjoy the first warm days of the year! By the time we get together Thursday the 20th, it won't feel like spring.

There's always good news bad news to share. The best is, Saturday morning two license tests were taken and two passed. Perhaps we'll get to welcome and congratulate the two guys at the meeting. Next, WiFi is back on at the Red Cross location for our meetings.

Still uncertain about Field Day location, Fred is not getting a normal response from the Vienna Park people, perhaps it will get resolved. We all like a sure thing (location) but deploying for Field Day will happen somewhere for us I'm sure.

Our Hamfest food vendor has apparently backed out for the foreseeable future. We need to consider other options and are looking for suggestions. Food Trucks?

Nebraska QSO Party started 9am and North Dakota starts 2pm. It's almost time to start the Michigan QSO Party for 2023 Noon 'til midnight. Propagation could be better but everybody has the same working conditions. (mostly) If you do log some contacts you can upload your log with Monroe County Radio Communications Association as your group and contribute to the club score. Last year the 4 participants who did were 10th in the state.

Still looking for a volunteer for "Program Director". You do know you don't have to give the programs! Just coordinate and perhaps try new things occasionally. Leadership members have programs in reserve, I'm sure, but we need a coordinator to find other options. Some can be YouTube based.

Nice to see some of you at TMRA Hamfest at Owens Community College this year.

Looking forward to. . . .

**RRRA meeting Saturday, May 6th see Mike N8KUF**

**ARPSC** - Erie Race for Kids, June 10<sup>th</sup>. Need hand held operators 7:30 am (you should be home by noon.) July 4th Dundee 8:45 to 12:00 or so. info <https://monroearpsc.wordpress.com/upcoming-public-service-events/>

**The MCRCA Hamfest** is Sunday June 18th this year and will be upon us before you know it. Your help has made us successful in the past and I'm depending on your help this year to carry on the tradition. I've been told it is the largest in Michigan and I'm sure many depend on it to supply their shacks with more gear, or shed some.

**Field Day June 24**

I hope you are setting some time aside for our Field Day activities this year June 24-25. Info is on the MCRCA web site. Great time to get contest skills and to get to know each other. Please plan to help with radio operations if you can, to beat last year's score. Pot luck dinner, but the club provides main course on the grill and drinks too! They tell me Field Day is not a contest. It's a scored activation (or deployment). You know, what if one of those sci-fi movies were real? What if it's really serious though, are you ready to deploy remotely? Cont'd next page



<http://mcrca.org/>  
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[www.facebook.com/groups/1643856795878368/](http://www.facebook.com/groups/1643856795878368/)

### Club Officers

#### PRESIDENT

Keith Hutchinson KJ8H  
[keithhutch999@gmail.com](mailto:keithhutch999@gmail.com)

#### VICE PRESIDENT

Don Fritz N8BZN  
[donfritz56@gmail.com](mailto:donfritz56@gmail.com)

#### SECRETARY

Brenda VanDaele KB8KQC  
[ka8ebi@yahoo.com](mailto:ka8ebi@yahoo.com)

#### TREASURER

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#### DIRECTOR

Paul Trouten W8PI  
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#### DIRECTOR

Mike Karmol N8KUF  
[mkarmol@bex.net](mailto:mkarmol@bex.net)

#### DIRECTOR

**STATION TRUSTEE**  
Wes Busdiecker KC8SKP  
[busdiecw@netscape.net](mailto:busdiecw@netscape.net)

### Inside This Issue

Minutes. . . . .	2
ARPSC Report. . .	3
RRRA Meeting . . .	4
Fox Hunt rules. . .	5
Fox Hunt Rules. . .	6
Fox Hunt Map. . . .	7
ARRL DX News . .	8

ASK for help or advise!  
See You at the meeting  
Keith KJ8H

[keithhutch999@gmail.com](mailto:keithhutch999@gmail.com)  
HamShack Hotline # 6100000411



## MCRCA Meeting Minutes for March 16, 2023

Meeting called to order at 7:30 pm, by Keith KJ8H.  
Pledge of Allegiance  
Introductions: No new members, upgrades or guests.

MINUTES: Motion by Paul W8PI, supported by Don N8BZN, to approve as written in the Herald. Approved.

TREASURER REPORT: Motion by Mike N8KUF, supported by John WA8YZB, to approve the treasurer's report as passed out to the membership. Approved.

DX REPORT: Tom KG8P, the major DXpeds are finished, FT8WW Crozet #3 50,000 - QSOs, 3B7M, St Branden / Mauritius. 6m – Ecuador HC sporadic E open short time.

CONTESTING: Paul W8PI, QSO Parties – NE, MI, ONT, VA, QBC, LA, MS, NM, GA, AND ND. CQ WPX Contest, March 25 & 26 noon to midnight. MIQSOP April 15.

TESTING: Paul - Next session - Sat. April 15, 2023. **Appointments Preferred - FRN and email req'd**

CLASSES: Sat. April 8, 2023 contact Don N8BZN, moved to April 1<sup>st</sup> because of Easter. May reduce classes to 2 or 3 a year and add General and Extra courses.

ARPSC: Ed WS8Y, March 23<sup>rd</sup>. 7pm on air skywarn training, new date. Contact Lance if you want to do a special participation part. April 1<sup>st</sup>. training session at the EMD 9am. Bring laptop w/FLdigi and an HT. Saturday, June 10<sup>th</sup>. Erie Race for kids have 10 people and need 3 more, ARPSC Website to sign up. The [www.mcarpsc.org](http://www.mcarpsc.org) website has a new tab for upcoming current events. Check it out.

ARRL: Dale WA8EFK, the sudden and tragic loss of Michigan Section Manager Les Butler W8MSP stunned us all and now our thoughts go out to Karen KB8AKC in this very trying time. Les was a familiar visitor at Michigan hamfests and meetings, both as Section Manager and as a very active QSL Card Checker. Larry Camp will fill in for the rest of his term.

RRRA: Mike N8KUF, all sites are OK. The annual meeting is coming up on Saturday, May 6 at 10am, at the Red Cross on N. Dixie Hwy. Old and new business will be discussed along with election of officers for another year. Dues are due May 1<sup>st</sup>.

OLD BUSINESS: none  
NEW BUSINESS: none

DOOR PRIZE DRAWING: Keith KJ8H, and John N8RWI

50/50: Keith KJ8H, donated winnings to scholarship

ANNOUNCEMENTS: TMRA swap Sunday, March 19, 2023 we have 2 tables there. PROGRAM: Tom KG8P, gave information for new hams.

ADJOURNED: 8:54 pm

ATTENDANCE: 17

Brian Paules  
K8EBI Fred  
WA8YZB John  
W8PI Paul  
AC8SI David

WA8EFK Dale  
KB8OSU George  
KJ8H Keith  
N8NYP Terry

N8BZN Don  
WD8NWF James  
N8KUF Mike  
KG8P Tom

WS8Y Ed  
N8RWI John  
KA8PQH Neil  
KE8NSU Tony

## 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

**Hertzian Herald**  
Fred VanDaele K8EBI

**Historian**  
Paul Trouten W8PI

**Public Relations**  
Terry Kolton N8NYP  
Tom Imlach KE8KNZ

**Scholarship**  
Fred VanDaele K8EBI

**Program Chairman**

**Membership**  
Terry Kolton N8NYP  
n8nyp@arrl.net

**Property Custodian**  
Paul Trouten W8PI

## ARPSC Report

Saturday April 1<sup>st</sup> Saturday Training started out discussing the FLDigi suite of Narrow Band Emergency Messaging Software (NBEMS) in the county EOC. We had 4 operators participating in this training, Ed WS8Y, Jim WD8NWF, Terry N8NYP and Larry KE8HCD. Everyone was feeling pretty confident about setting up and creating messages using FLDigi and everyone was starting to look forward to heading to Benny's for food and debrief when things began to develop rapidly. Our phones started going off with Severe Thunderstorm warnings at about 10:50am, we hadn't been expecting any severe weather so we brought up weather maps to verify what was going on. We immediately started SKYWARN announcements from the radio room and got a net up a few minutes later. Between reports over the air and listening to County Dispatch on the 800 MHz radio, we soon found out something had happened in Dundee and there was considerable damage downtown. Dale WA8EFK and Neil KA8PQH



provided reports from the downtown area. Ed ran SKYWARN net until noon from the EOC radio room, while Terry, Jim and Larry helped with logging, listening to other radio traffic and acting as runners passing messages between Ed and myself as I was entering information into the state MI-CIMS (Critical Incident Management System) and acting as Liaison between EMD Staff, ARPSC and Dispatch. The county EOC system was activated about 11:45am and most of us stayed until around 1:30pm in case our assistance was needed by EMD. Ed and I stayed until after 2pm relaying messages between EMD and NWS Detroit/Pontiac office. Luckily the overall damage was minimal, there were no injuries reported from the EF-0 Tornado. Overall, on the Amateur Radio end, I felt everything went well, our training and procedures kicked in almost flawlessly to make everything happen. I feel it was a testament to the time and practice that the other operators in the EOC, and those "in the field" have put in. Being able to change gears and go from training to an emergency situation effortlessly and act like the consummate professionals they are in a heartbeat, proves that training and practice pays off! The EMD staff complimented the Amateur Radio response and passed along their gratitude for a job well done!

Lucas County ARES is still in need of 7 operators to help out at the Glass City Marathon Sunday April 23<sup>rd</sup> from 6:30am until 1pm. If you can help out please contact Rick [K8RKS@arrl.net](mailto:K8RKS@arrl.net).

May 6<sup>th</sup> is RRRAnnual meeting at Red Cross

Lucas County ARES will be hosting a Trunk Sale and Swap Meet at Toledo Speedway on Benore Rd. Sunday May 7<sup>th</sup> from 9am-3pm

There are several Public Service Events upcoming that we need help for, descriptions can be found on our webpage under the "Upcoming Public Service Events" Tab, along with a link to the Google signup form.

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 the first Thursday of every month at 7:30pm at the EMD on Raisinville Rd. Next meeting is Thursday May 3<sup>rd</sup>

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

Emergency Coordinator

Monroe County Amateur Radio Public Service Corps

## River Raisin Repeater Association – 2023 annual meeting

The River Raisin Repeater Association (RRRA) would like to invite you to attend the 2023 annual business meeting. Association officers will be elected, and current / planned business and projects for the association will be discussed (only current members may vote on association business). This is an opportunity to find out where the association has been and to help decide where it is going.

**This year's business meeting will take place on Saturday May 6, 2023, 10:00 a.m. at the American Red Cross 1645 N Dixie Hwy Monroe, MI**



The River Raisin Repeater Association, an independent radio club, was formed in 1971 for the expressed purpose of promoting FM and repeater operation, offering a technical base on the subject, providing a useful communications facility for emergencies, and to develop friendships through a common goal. The RRRA, being an independent radio club, is supported solely by member dues and contributions.

There are five RRRA systems in operation to serve the amateur radio operators of the Monroe County region. Our first repeater, 146.72 (previously 146.73) went on the air in 1971, from downtown Monroe. Today, we operate from our transmitter site near Ida for the 146.72, 224.78, and 442.65 repeaters, along with our 144.93 ax.25 Digipeater. The 444.55 Repeater is located near Erie, and the 442.825 system is in Dundee. Modes such as EchoLink and IRLP have been incorporated into RRRA repeaters and additional modes and features are being explored. Additional information can be found on the MCRCA.org website under the RRRA tab.

RRRA systems are open to use by all licensed amateur radio operators. However, if you are more than a "once in a blue moon" user of the RRRA repeaters, we ask you to consider joining the association. Your participation will help to ensure the ability to operate, maintain and improve these systems while ensuring readiness to support any emergency/ disaster communications needs that may arise.

The River Raisin Repeater Association (RRRA) as an independent radio club is supported solely by member dues and contributions. Dues are \$20.00 per year. Your membership and participation are critical to the successful maintenance and improvement of RRRA equipment and continued services.

Whether you are a current/ past member, would like to join, or are curious and would like to learn more – please join us at the meeting.

Mike N8KUF RRRA Sec / Treas.



### Cadillac Amateur Radio And Computer Swap

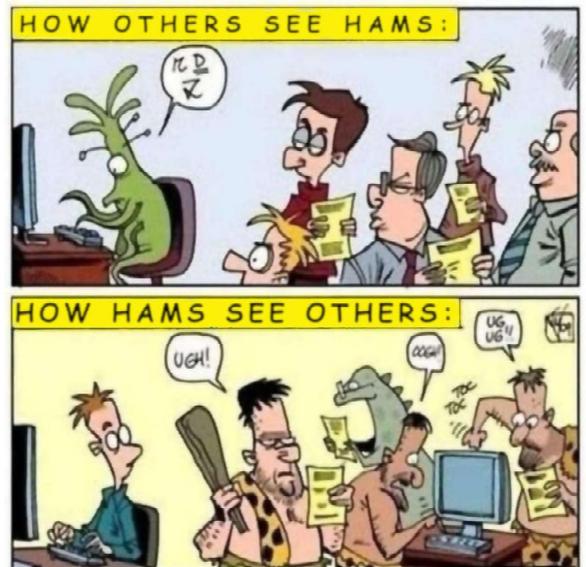


Card Checker On site

**Saturday, May 6, 2023  
Doors Open at 8 AM  
Admission \$5.00**

Mackinaw Trail Middle School  
8401 S. Mackinaw Trail  
Cadillac, MI 49601

Meeting for The UP Net



## The FOX is back – 2023 MCRCA Foxhunts

This year – MCRCA will again be hosting a series of foxhunts. Everyone including members, non-members, friends, other organizations, hams and non-hams are invited to join in the fun.

For those not familiar – all hunt teams meet at a given location and receive a pre-hunt brief along with a hunt package. At the designated start time, the FOX begins transmitting. Participating teams begin efforts to locate the fox, which is hidden within a designated area (in this case up to 7 miles away from the start location). Teams earn points according to the distance traveled in locating the fox. The winning team will be the one traveling the least number of odometer miles to find the fox. Each team records distance with the fox when located. Time is not a factor in scoring (unless needed as tie breaker), but the hunt is terminated when the fox stops transmitting after 3 hours.

Minimum Equipment necessary:

A 2M radio or receiver capable of receiving 146.475 MHz FM.

Additional Equipment could include (but is not limited to):

Directional Antenna, Attenuator, Street Map of Monroe County, Compass, Straight Edge, Protractor

### 2023 Foxhunt Schedule

Hunt #1	Saturday May 13, 2023
Hunt #2	Saturday July 08, 2023
Hunt #3	Saturday September 09, 2023



Additional Hunts may be scheduled depending on demand.

### Basic Instructions

- We will meet in the parking lot at Emergency Management Offices 987 S. Raisinville at 08:30 where you will be given a pre-hunt brief (instructions and information specific to the hunt)
- Teams are identified and recorded by the hunt coordinator
- Each team will be given a SEALED envelope – MAKE SURE IT STAYS SEALED (if you open the envelope you will receive same points as someone not finding the fox)
- On the outside of the envelope, write the names/ call signs of all team members. Also record starting mileage on your vehicle to the nearest 1/10 mile (use trip odometer if needed for 1/10-mile increments)
- At 09:00, the FOX will begin transmitting on the Hunt Frequency of 146.475 MHz (transmissions will repeat on a cycle of 1 minute on / 1 minute off for the duration of the hunt)
- After taking initial readings to determine direction to the fox, teams will depart on their quest to find the fox's hiding spot. (remember scoring is determined by least distance traveled so strategy is an important factor – other than the 3-hour hunt limit, time is not a factor so **travel safely and legally**)
- When you find the fox, record your ending mileage (tenths of mile) on the envelope (the one that is hopefully still sealed. And leave the envelope with the fox operator)
- You will be given instructions for a place to go so that other hunters do not see you talking to the fox. We will meet following the hunt for lunch and debrief. Lunch location will be Benny's in south Monroe (15239 S. Dixie) unless otherwise indicated during pre-hunt brief.
- If you DON'T find the fox by the end time of the hunt (12:00), you may open the envelope and proceed directly to the fox if you are close or proceed directly to the lunch location where you will turn in your envelope. (note: the fox will be hungry and departing for lunch shortly after turning off the transmitter)
- Teams choosing to terminate early may open the envelop and proceed directly to the fox to turn in your envelope (or otherwise notify fox/hunt coordinator of termination)
- First place team is responsible for fox duties for the next hunt (second place if first not able to fulfill)
- Teams will be recognized for 1<sup>st</sup>, 2<sup>nd</sup>, and 3<sup>rd</sup> place performance for each individual hunt, and the fox will be recognized/thanked for his/her service. All participating teams will be acknowledged.
- In the case of tied mileage for the top 3 teams, time found will be used as the tie breaker. 2<sup>nd</sup> tie breaker will be a flip of the foxhunt chairman's Kennedy half-dollar.

## Responsibilities of the Hunt Teams

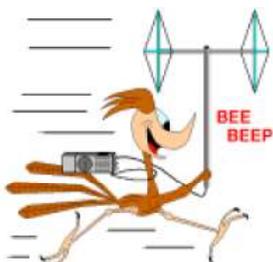
## Hunt Teams MUST:

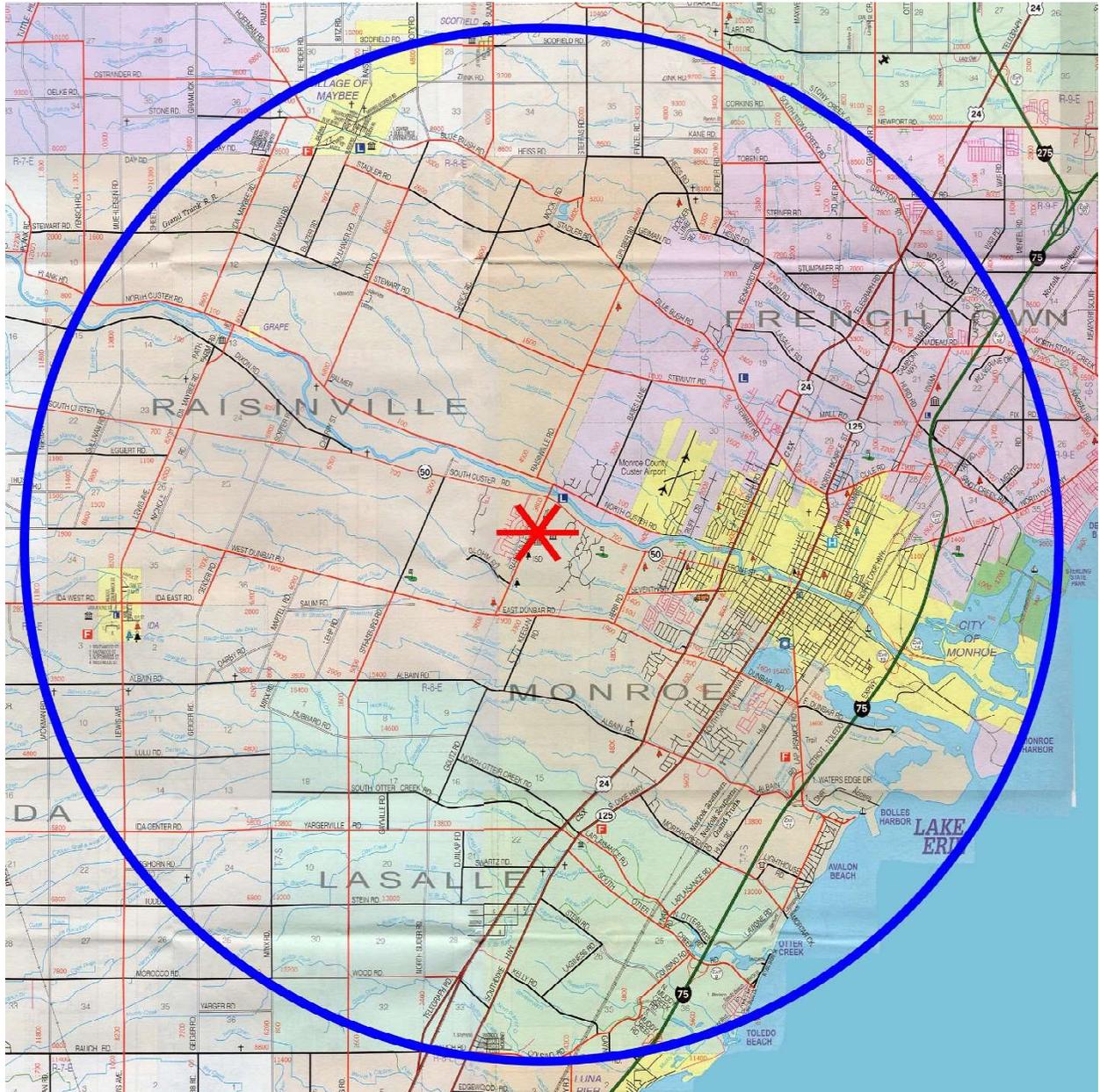
- Be at start location on time. You MUST be present for pre-hunt brief (08:45) to receive hunt package as required to participate.
- REMEMBER – scoring is based on distance travelled (per odometer) to locate the fox.
- Other than the 3-hour hunt limit, time is not a factor. Hunters must travel safely and obey all speed limits, etc.
- SAFETY is a PRIMARY Concern. Use caution when traveling and when stopping and getting out of the vehicle to take readings. DO NOT create a hazard or place yourself or others in a hazardous situation.
- Respect private property. Do not trespass onto private property.
- Respect public property. Do not damage or otherwise trash public property.
- Remember, this is a FRIENDLY competition, everyone is here to have fun.
- Remember, skills learned and refined could be utilized some day (e.g. Locating emergency beacons, jammers, stuck transmitters, lost RFID tagged individuals)
- LEGIBLY record all requested info on the envelope
- Turn in the envelope to the fox or to the hunt coordinator prior to securing from your hunt efforts (or otherwise notify fox or hunt coordinator of Did Not Find status)
- HAVE FUN and BE SAFE

## Responsibilities of the FOX

## The FOX MUST:

- Be an MCRCA Member or must be accompanied by MCRCA member
- Use common sense when locating fox to avoid placing anyone at risk
- Locate fox within area indicated on below map.
  - o Intent is to be within 7-mile radius (as the crow flies) of Emergency Management Office – 987 South Raisinville Rd Monroe, MI 48161)
- Fox beacon MUST be able to be heard at the start location.
- Locate on public non-residential property in a place accessible to the general public during the hunt. Make sure teams can arrive at fox's hideout without violating any hunt rules
- Locate where no admission charge or payment of any kind is necessary in order to access the Fox's hideout
- The fox must be generally visible to hunters without having to enter any enclosure or densely brushed area.
- Once the hunt begins, the fox is to remain stationary, maintaining antenna orientation and transmit power, until such time as the hunt is terminated.
- Transmit on a frequency of 146.475.
- Transmit on a cycle of 1 minute on; 1 minute off for duration of the hunt
- Observe Hunt Time Limits; 9:00 AM to 12:00 PM E.D.T.
- Arrange for distribution at starting point of Hunt Envelopes containing:
  - o Map indicating fox's hideout, shortest possible route (per google maps) (Fox will provide sealed envelopes to Hunt Coordinator prior to Hunt)
- Record/ verify odometer mileage and arrival time for successful hunters at the fox's location.
- Send successful hunters to a prearranged location, away from the fox, so as not to give away the Fox's location





Hunt the.....  
Spwing Fwing!





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.

**TIMOR-LESTE, 4W.** A group of operators are QRV as 4W1A until April 22. Activity is on 40 to 6 meters using CW, SSB, RTTY, and FT8. QSL via DJ4MX.

**UGANDA, 5X.** Eddy, OE3SEU is QRV as 5XA1J. Activity is on the HF bands and on Satellite QO-100. QSL via LoTW.

**MALDIVES, 8Q.** Mike, OE3MZC, Laryssa, OE3YLR, Barbara, OE3YCB and Florian, OE3FTA are QRV as 8Q7BZ, 8Q7FZ, 8Q7LZ, and 8Q7MZ, respectively, from Rakeedhoo Island, IOTA AS-013, until April 29. Activity is holiday style on the HF bands and on Satellite QO-100. QSL to home calls.

**CROATIA, 9A.** Special event callsign 9A23WARD is QRV until April 30 to bring attention to World Amateur Radio Day. QSL via 9A3JB.

**TRINIDAD AND TOBAGO, 9Y.** Special event callsign 9Y4WARD is QRV from Trinidad, IOTA SA-011, until April 18 to commemorate World Amateur Radio Day. QSL via LoTW.

**BAHRAIN, A9.** Special event station A91WARD is QRV until April 18 to bring attention to World Amateur Radio Day. QSL via EC6DX.

**SOUTH COOK ISLAND, E5.** Janusz, SP9FIH and Leszek, SP6CIK are QRV as E51WEG and E51CIK, respectively, from Rarotonga, IOTA OC-013, until April 28. Activity is on 40 to 10 meters using CW, SSB, RTTY, and FT8. QSL to home calls.

**SAUDI ARABIA, HZ.** Special event station HZ1WARD is QRV until April 18 to commemorate World Amateur Radio Day. QSL via HZ1SAR.

**SURINAME, PZ.** Look for Rico, PZ5JW to be QRV in the CQ Manchester Mineira CW DX contest. Activity will be on 80 to 10 meters. QSL via EA5GL.

**PALAU, T8.** Ichiro, JH7IPR is QRV as T88UW from Koror, IOTA OC-009, until April 20. Activity is on the HF bands with a focus on 12, 10, and 6 meters, using CW and FT8. This includes being an entry in the CQ Manchester Mineira CW DX contest. QSL to home call.

**GUATEMALA, TG.** Dante, TG9ADM will be QRV in the CQ Manchester Mineira CW DX contest. Activity will be on 80 meters. QSL via EA5GL.

**AUSTRALIA, VK.** Special event station VI6ONE is QRV until April 18 to bring attention to the 2023 Scouts Western Australia's Jamboree style One Camp. QSL via operators' instructions.

**BRITISH VIRGIN ISLAND, VP2V.** Seth, KD9TAW will be QRV as VP2V/KD9TAW from Tortola, IOTA NA-023, from April 17 to 22. Activity will be on 40 to 10 meters using SSB and FT8. QSL via LoTW.

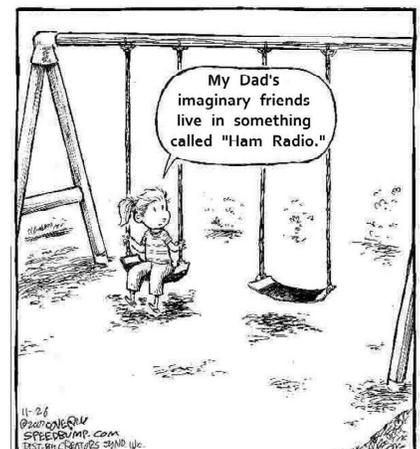
**LAKSHADWEEP ISLANDS, VU7.** Operators YL2GM and VU2CDP will be QRV as VU7W from Kavaratti Island, IOTA AS-011, from April 15 to 29. Activity will be on 160 to 6 meters using CW, SSB, and FT8. QSL via YL2GN.

**ALBANIA, ZA.** Burkhard, DL3KZA is QRV as ZA/DL3KZA until April 17. Activity is on 40 to 10 meters using FT8. QSL to home call.

**THIS WEEKEND ON THE RADIO.** ARRL SSB Rookie Roundup, NCCC RTTY Sprint, NCCC CW Sprint, K1USN Slow Speed CW Test, Holyland DX Contest, Worked All Provinces of China SSB DX Contest, YU DX Contest, Dutch PACCdigi Contest, CQ Manchester Mineira CW DX Contest, Nebraska QSO Party, Texas State Parks on the Air, Michigan QSO Party, Feld Hell Sprint, Ontario QSO Party, North Dakota QSO Party, Quebec QSO Party and the Run for the Bacon CW QRP Contest will certainly keep contesters busy this upcoming weekend.

The K1USN Slow Speed CW Test, ICWC Medium Speed CW Test, OK1WC CW Memorial, Worldwide Sideband Activity Contest, The ZL 80-Meter Sprint, 222 MHz Spring Sprint, Phone Weekly Test, A1Club AWT, CWops Test, VHF-UHF FT8 Activity Contest, Mini-Test 40, Mini-Test 80 and the RSGB 80-Meter Club SSB Championship are all on tap for April 17 to 19.

Please see April QST, page 69, and the ARRL and WA7BNM Contest web sites 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**

**2023 Schedule:**  
February 18    April 15  
June 17        August 19  
October 21    December 16

**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

April 20th 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 June 10, 2023**

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.

Bill Leibengood, N8RWF