

The Hertzian Herald



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Off The Kuf:



By Mike – N8KUF

Spring is here (HURRAYYYYYYYYY)!!!! The unofficial arrival of spring occurs every year, at sunrise, on the morning of the TMRA hamfest, and a beautiful morning it was this year. I must say that I (and most everyone that I've talked to) was very impressed with the new venue layout (entry, refreshments, etc.). While there are always a few kinks to work through with this large of an event... the experience was truly a pleasant one (those who were there know of what I speak). If you missed it ... be sure to check it out NEXT year.

At the March MCRCA meeting, the presentation by Tom KG8P featured "Bands on the Run". His presentation discussed performance characteristics of the many different Ham frequency bands. From MY perspective, I've often compared DXing to fishing. You cast your line into a very large frequency spectrum and sometimes you catch the big DX fish, sometimes not. Some folks are PRETTY DARNED GOOD fishermen and others of us 'not so good'. Knowing when and where to cast your signal (bait) is a major factor in whether you might be successful or whether you might be wasting your time (I know-a bad day fishing is better than a good day at (fill in the blank)). The program was very interesting, very well done, and most certainly thought provoking and educational. Thanks Tom !!!!

The upcoming April MCRCA meeting will be held same time, same place (you can find details elsewhere in this issue). Tom KG8P will be presenting background info related to "what to expect" during the MI QSO Party that will happen on April 20th (join us to operate from the club station-see further details elsewhere). The main program to be presented by Mike N8KUF (HEY – that's ME) will include a few videos about Hidden Transmitter Locating (i.e. Fox Hunting). The program starts with some historical information including a demonstration of transmitter hunting during the war era – used in this occurrence to locate clandestine operations within the homeland community. After catching the bad guy – we'll transition to foxhunting in today's world which often involves groups of Hams in friendly competition to locate hidden transmitters. You'll see examples of popular equipment (tape measure Yagi and active/passive attenuators) often used by the hunters, as well as 'fox boxes' used to perform the hidden transmitter function.

(Continued page 3)

Club Officers

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MCRCA Minutes:

March 21, 2019

Meeting called to order at 7:30 pm, by Mike Karmol N8KUF.

Pledge of Allegiance

Introductions: No new members, one upgrade and one guest.

Scott Burkey W8SMB upgraded to Extra. Brian Tennyson a guest from Ann Arbor.

PROGRAM: Bands on the run – Tom KG8P

DOOR PRIZE DRAWING: Brian Tennyson

50/50: Bob AC8DZ - Bob donated part of his winnings to the Scholarship fund.

MINUTES: Motion by Bob AC8DZ, supported by John N8DXR, to approve as written in the Herald. Approved.

TREASURER REPORT: Motion by Paul W8PI, supported by Tom KG8P, to approve the treasurer's report as passed out to the membership. Approved.

HAMFEST: Fred KA8EBI - Mailed out 200 Vendor letters earlier this month and now reservations are starting to come in. I have 14 tables reserved already. Sam from Cable Experts called and said he has moved to New Jersey with Seminole Wire Co. and they only do two hamfests, Dayton and Hamcation, but he will send some door prizes and books. He will also offering some good deals on 500' rolls of coax.

DX REPORT: Paul W8PI noted that there is a good article in QST on the State QSO Parties. The Michigan QSO Party is April 20th and we will have the Com Center at the Red Cross open for this event.

FUTURE PROGRAMS: April meeting we will have a Fox Hunt video and instructions on how to perform a hunt. Future Fox Hunts will be held May 11, July 13, and September 14. Future meetings we will have a "Mentor Moment" where members will have the chance to ask questions about any help they may need with Amateur Radio. Mike N8KUF talked about the new refreshment and door prize changes.

TESTING: Next session - Sat. April 20, 2019.

ARPS: Skywarn training will be April 2nd at the Bedford Library, you must register in advance at the Monroe County website.

ARRL: Dale WA8EFK talked about the Notice of Rule Making to increase the bands available on HF for Tech licenses with 200 watts power limit.

RRRA: Mike N8KUF reports all units are operating normally and Ottawa Lake is being rebuilt. The annual RRRA meeting will be held Saturday May 4th at the Red Cross from 9 am to 11 am.

OLD BUSINESS: Fred KA8EBI has made up club badges and passed some out at the meeting. Anyone he missed should contact him so he can get one made for them.

NEW BUSINESS: MI QSO Party April 20th – Noon to Midnight – Open Red Cross Comm Center. - Field Day plans were discussed and Vienna Park in Temperance will once again be the site for this event the fourth weekend in June.

ANOUNCEMENTS: Michigan QSO Party April 20th at the Red Cross Noon to Midnight, come help operate the radio and get some training for Field Day.

ADJOURNED: 8:48 pm

ATTENDANCE: 20

| | | | | |
|--------------|---------------|---------------|---------------|----------------|
| K8OF Doug | KA8EBI Fred | KA8PQH Neil | KB8KQC Brenda | KC8SKP Wes |
| KC8VJV David | KD8ZNZ Rodney | KE8DDM Dalton | KE8KNZ Tom I | KG8P Tom J |
| N8DXR John | N8KUF Mike | N8NYP Terry | W8PI Paul | W8SMB Scott |
| WA8EFK Dale | AC8DZ Bob | KE8CQW Sandra | W8GPR Gary | Brian Tennyson |

Committees

Classes

Club Station

Wes Busdiecker KC8SKP

DX Net

Field Day

Jeff Breitner KA8NCR

Finance

Paul Trouten W8PI (chair)

Fred VanDaele KA8EBI

Dale Williams WA8EFK

HamFest

Fred VanDaele KA8EBI

Hertzian Herald

Fred VanDaele KA8EBI

Historian

Paul W8PI

Public Relations

Jeff Breitner KA8NCR

Scholarship

Fred VanDaele KA8EBI

School Liaison

open

Programs

open

Membership

Terry Kolton N8NYP

n8nyp@arrl.net

Planning

open

Property Custodian

open

As mentioned at previous MCRCA meetings, the club will be hosting a series of Foxhunts this year. Put a mark on your calendars and be sure to join us on the second Saturday in May, July, and September for the upcoming hunts. The first hunt coming up on May 11th will provide an opportunity for newcomers to get their feet wet in the world of foxhunting. There will be chances to ride along with experienced hunters (some QUITE talented) in order to get a feel for this activity and perhaps to whet your appetite for more. The club then intends to host a few foxhunt related construction bees – to include a tape measure Yagi session and, for those who will be interested in taking advantage of a group purchase of active attenuator kits, one or more opportunities to assemble those kits in the presence of some very experienced kit builders should assistance be needed. The Yagi and Attenuator will position you firmly with the tools necessary to participate and have fun in future hunts. There are of course other direction-finding methods ranging from 'really cheap but functional' to 'expensive but highly effective'.

In closing this month, late spring leading into early summer is a period when the level of Ham radio related activity peaks BIG TIME!!! From storm spotting, to disaster communications support, to public service event communications, to contesting, to open mic sessions, to Hamfest, to kit building, to Foxhunting, to Field Day and the list goes on. If you've been looking to get involved...your time is here. Come to the meeting(s), hear what's in the works, and find out how you can get involved. Then – "Just Do It"

As always, the rules for meeting attendance are:

- 1: Any over-ripe fruits & vegetables MUST be checked at the door on arrival
- 2: All who are willing to have a good time are welcome

I'll see YOU at the meeting,

Mike Karmol – N8KUF 2019 President – MCRCA

**Michigan QSO Party Saturday,
April 20th Noon to Midnight in
the Com Center at the Red Cross.
All members are invited to come
out and operate the radio and get
some practice in for our up coming
Field Day the 4th weekend in June**

River Raisin Repeater Association annual meeting

The River Raisin Repeater Association (RRRA) would like to invite you to attend the annual business meeting to find out where the association has been and to help determine where it is going. Elections for the Board of Directors will be held at that time, and current / planned business and projects for the association will be discussed (only current members may vote on association business).

This year's business meeting will take place on Saturday May 4, 2018, 09:00 a.m. at the American Red Cross in Monroe (1645 N. Dixie, Monroe, MI)

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 146.72, 224.78, 442.65, and our 144.93 BBS/ Digipeater. The 444.55 Repeater is located near Luna Pier, and the 442.825 system is in Dundee. Additional details are available via the MCRCA Web Page.

All of these RRRA systems are open to use by all 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 insure the ability to operate, maintain and improve these systems while ensuring readiness to support any emergency/ disaster communications needs that may arise.

The Association is an independent radio club and is supported solely by member dues and contributions. Dues are \$20.00 per year. Additional Family Members (same address) are \$5.00 each. Membership runs from May 1 to May 1 of each calendar year. When you decide to join, you may pay your membership dues at the meeting (please bring the membership form) or fill out the form at www.mcrca.org/RRRA and mail them in (preferred method). Your membership and participation are critical to the successful maintenance of RRRA equipment and continued services.

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

Mike N8KUF RRRA Sec / Treas.

The FOX is back – 2019 MCRCA Foxhunts

This year – MCRCA will 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 5 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 in order to find the fox. Each team records distance with the fox when located, and all teams receive points according to distance traveled. Time is not a factor in scoring, 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, Map of Monroe County, Compass, Straight Edge, Protractor

2019 Foxhunt Schedule

| | |
|---------|--------------------|
| Hunt #1 | May 11, 2019 |
| Hunt #2 | July 13, 2019 |
| Hunt #3 | September 14, 2019 |



Basic Instructions

- We will meet in the parking lot at Emergency Management Offices 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 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 for lunch immediately following the hunt, for lunch and debrief. Lunch location will be Benny's in south Monroe 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 to the fox operator
- First place team is responsible for fox duties for the next hunt

(Continued next page)

- Points are awarded for each hunt (as follows) and accumulated for the season

| | |
|------------------------------|--------------|
| - Fox Operator | - 3 points - |
| - 1 st place team | - 7 points - |
| - 2 nd place team | - 4 points - |
| - 3 rd place team | - 3 points - |
| - 4 th place team | - 2 points - |
| - Did Not Find | - 1 point |

Responsibilities of the Hunt Teams

Hunt Teams MUST:

- Timely arrival at start location. You MUST be present for pre-hunt brief in order to receive hunt package as required to participate
- REMEMBER – scoring is based on distance travelled 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 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
- 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 5-mile radius (as the crow flies) of Emergency Management Office – 987 South Raisinville Rd Monroe, MI 48161)
- 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 until such time as the hunt is terminated
- Get permission from property owners or local officials as may be necessary
- 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 maps to fox's hideout
(Fox will provide sealed envelopes to Hunt Coordinator prior to Hunt)
- Record odometer mileage (and note 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
(Map next page)



MCRCA Member Profile

I first got interested in radio in the early 1980's. A co-worker at DTE was into CB. I got involved. Got my license, KBTC2725. Bought a GE mobile. That was a really good radio. Had a lot of fun. Later I took a boating safety class from the USCG AUX. I liked what the Auxiliary offered so I joined. I was single and had the time. I was very active. I taught classes, stood radio watches, patrols. I think I was doing it all.

I met another Auxiliarist that was a ham. Rick got me started. In 1991 I tested with the Motor City Radio Club and became what was nicknamed a Tech Lite. That was when you could take the Technician test with or without the Morse code.

I married Vicki in 1997. January 1, 2007 was the beginning of my retirement from DTE. About 2013 I acquired my General & Extra. And by the time you're reading this I will have taken the real estate license class and hopefully taken the test.

As the membership chair for MCRCA, I will try to increase the membership. Not just in number but participating members. Hopefully we can draw in prospective hams, more members and get current members active with the training and programs the Board is putting together.

At <http://www.mcrca.org/> you can join the club, renew your membership, learn about Amateur Radio Public Service Corp (ARPS) and support the River Raisin Repeater Association (RRRA). You can also renew your membership or RRRA support for multiple years at a time. Join our Facebook page. Search "Monroe County Radio Communications Association". Our blog is <https://monroearps.wordpress.com/>. ARPS Facebook page is <https://www.facebook.com/MCARPS>. If you have any questions or suggestions, you can email, call or text me.

Terry Kolton N8NYP
n8nyp@arri.net 734-223-6261

How to do a mini vacation, visit family and operate ham radio....

Made some last-minute plans to activate a park enroute to visit family in GA. Some parks are limited in season and a couple I wanted to see would open a few days after I went by. Arrived at Boone Station near Athens, KY. History shows of Daniel Boone living at the 47-acre site. I found the plaques and what was the park, with "No Trespassing" signs and locked gate. A call to another park listed as contact let me know this park had been turned over to a church in Lexington, KY. I would need to contact them for any access or use. Some parks are closed due to budgets, some are absorbed by other parks, some are allowed to return to natural habitat.



A bit south is Fort Boonesborough State Park. Ok, found the fort, but that gate was locked too with a sign saying it would open in April. Backing up the drive frustrated when my wife pointed out another park sign. This first gate was for the actual fort. Sure, enough a large park with plenty of parking and stuff to do down the road. Wu hu

Did lose some time I had hoped to operate, but managed 22 contacts.



Staying with relatives north of Atlanta makes it nice to activate parks in milder weather and appreciate traffic back home is calm compared to here, hi. So, the plan (my plans change frequently) was to finish 44 at Kennesaw Mountain Battlefield. In the WWFF program I need at least 44 to qualify the park for me. Everyone I talk to gets credit no matter how many contacts are made. First check website...mountain road closed for repairs.... Arrived to find a parking place and talk with park people. This park has some neat cards like baseball type explaining things about the battle and this area at the time.

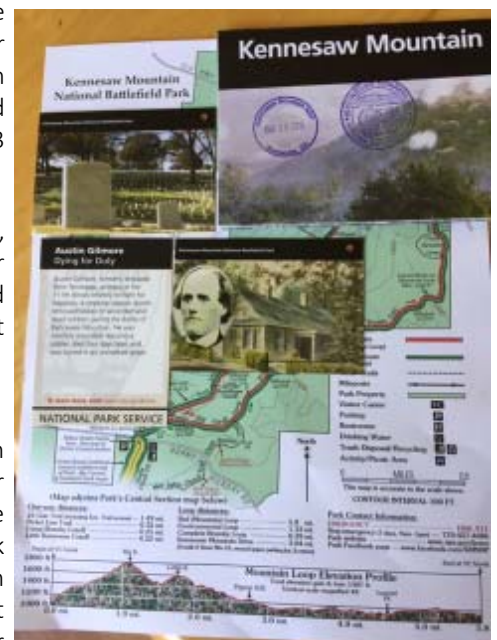
With the road construction and limited parking, they were going to make me a paper for the windshield allowing me to park anywhere, then the next thing came up.... the supervisor asked if I minded having an interview by the park while in the lot. They wanted to use it in social media; take pictures, watch contacts, do a write up. Of course, no problem. I had planned two hours. Ok, two hours when I arrived is what I told my wife.... Managed 23 contacts, 6 with four countries in Europe, and two Canadian provinces.

Leaving the Atlanta area, hoped to activate a park along the way to Mississippi. Then GPS, which I refer to as the "nagigator" and my first officer had a disagreement. This was after stopping at Walmart. Yup, all the pictures of shot in Walmart flash by. GPS then reset and took a scenic route thru the country. I got to see way more of Alabama than I wanted. I got quiet with the route change when I realized the road was the Trail of Tears route.



Arrived about an hour later than planned to set up in Ruffner Mountain Nature Preserve outside Birmingham. This park is small, just over an acre with two levels for parking. It was not busy and set up on the upper level.

There are walking trails and a museum for this former mine. The building below where I operated from has the restrooms and a beautiful flora and fauna mural. I had tested out some Hustler antenna parts in GA before leaving but could only run two bands at a time. I did have resonators for 4 bands and used them all at this stop. Bands continue to be challenging, but managed to work some Europe and even Hawaii with a mag mount on the roof. Then it was off to the casinos in Tunica, MS.



Cont'd Next Page

Needed to finish 44 contacts at Delta Heritage Trail State Park in Arkansas. This is a ham friendly park I enjoy activating from. Got to operate near a trail head which was under water on my last visit. Then I was under the front canopy due to rain and the semi traffic on US49 made headphones a must. Band conditions were not great but the end fed continues to be the go-to antenna when there is time to set it up. Contacts included 6 European countries and 3 Canadian provinces, plus working three other parks.

Delta Heritage is a rails to trails park. About 80 miles of former local tracks were donated for the public use. Not complete but many miles of bike and walking



trails, camping and other activities. The visitor center reminds me of Cracker Barrel on the outside. Hi When I stopped in to talk with workers, I noticed some really cool shirts probably bike riding style. But they looked really nice with Arkansas parks info and mentioned this to my wife. During my CW run, the van side door opened and she said "try this on, they are waiting inside" There was one of the bike shirts you will see in a picture. Who knew they have pockets in the back, hi. Yup, I have one now. Talk about supporting the parks....



Ended a weeklong mini vacation with 3 days in Tunica, MS (actually Robinsonville, MS). With storms projected we opted to leave early and head back to MI. It is 12 hours back to MI and decided to stop at Hunter-Dawson State Historic Site in MO. This only allowed an hour activation. Staff was great and interested in what I was doing. There is a nice half hour tour of the Civil War era home and property you can see in one picture. Also shown is some information about the historic home and you can get a stamp here too. Contacts included Europe, Canada and Mexico.

Bottom line; bands are not dead, just challenging. You don't need a kilowatt and massive antenna to make contacts. Just use the tools available and have fun. De KG8P

MCARPSC

Training Outline-Meetings and Supplemental Sessions

Monthly Meeting 1st Thursday 7:30pm EMD Training Room

Saturday Sessions 9am-12pm Training Room or EOC

May Meeting 5/2: Fox Hunts/ARDF

Goal: Exploring fox hunting tips and tactics

May Session 5/4: Fox Hunt Antennas/Hands-on

June Meeting 6/6: EMCOM/AUXCOM

Goal: Review of why we exist and who we serve

July Meeting 7/4: No Meeting

August: No Meeting

September Meeting 9/5: Advanced NTS/Messaging

Goal: In depth training on NTS procedures and Message passing/Logging; ICS-213

September Session 9/7: Expanding on Advanced topics and hands on passing via voice/data

October Meeting 10/3: SET

Goal: review of local State SET plans

October Exercise 10/12: State SET



ARPSC

On Tuesday April 2nd, we had county SKYWARN training at Bedford Library with about 60 people, 15 of those were ham radio operators. Coordinating Meteorologist Rich Pollman from NWS Detroit put on another great presentation.

The next ARPSC meeting will be Thursday May 2nd 7:30pm at the EMD. We will discuss Fox Hunting to get ready for the first Fox Hunt with MCRCA on Saturday the 11th.

Our next event after Hamfest and field day will be July 4th for the Dundee parade; we will be looking for operators to help out with line-up.

As always, you can keep track of us via the webpage which is linked though the MCRCA Website and the Facebook page, which is also linked via the club webpage. We thank the group and the club webmaster for doing this for us!

73 until next month, look forward to seeing everyone at the repeater annual meeting.

Lance Charter KE8BYC
Emergency Coordinator
Monroe County Amateur Radio Public Service Corp

Radio Collection of Wilfred La Bo, WB8LDY is for sale, see attached.
Contact his daughter Denise @ Weezie1976@att.net if interested in any item.

| description | Mic | Manual | Box | Serial Number | Price suggestion | NEW - Gigsarts |
|--|--------|---------------|-----|---------------|------------------|----------------|
| Kenwood TS 590S | | | | | | |
| TE System RF Power Amp Model 055G | Y | Y | | B1700227 | \$ 600.00 | N/A |
| MFJ-891 1.6-60 MHz Meter | | | | | \$ 500.00 | \$ 799.00 |
| Ameritron ARB-704 | | | | 101066 | \$ 65.00 | \$ 99.00 |
| Bell System Speakers | | | | | \$ 50.00 | \$ 60.00 |
| MFJ J-4125 Switching power Supply 25 amp | | | | | \$ 50.00 | \$ 79.00 |
| Astron RS-50A power supply | | | | 207070021 | \$ 200.00 | \$ 280.00 |
| MFJ Versa-Tuner III MFJ-962D | | Y | | | \$ 200.00 | \$ 275.00 |
| Ameritron AL-813 Amp | | Y | | 17854 | \$ 400.00 | \$ 689.00 |
| Various Ammeter | | | | | | |
| Various Voltmeter | | | | | | |
| Bird Watt meters | | | | | | |
| MFJ J-259B antenna tuner | | Y | | | \$ 130.00 | N/A |
| MFJ J-862 SWR watt meter | | Y | | | \$ 25.00 | \$ 55.00 |
| MFJ 1700C transmitter switch | | | Y | | \$ 75.00 | \$ 110.00 |
| Alpha Delta Delta 4 coax surge protector | | | | | \$ 75.00 | \$ 94.00 |
| Mirage A1015G amp for 6 meter | | Y | | 616-295 | \$ 250.00 | \$ 359.00 |
| Mirage B2518G amp for 2 meter | | | | | \$ 250.00 | \$ 349.00 |
| KLM electronics 160w VHF | | | | 222507179 | | |
| RadioShack 2 meter power amp/pre amp CAT# 19-1122a | | | Y | | | |
| TigerTronics Signal Link USB interface | | Y | Y | | \$ 50.00 | \$ 115.00 |
| RIG BLASTER PRO | | Y | | | | |
| RIG BLASTER PLUS | | Y | | | | |
| MFJ MFJ-784B tunable DSP Filter | | | | | \$ 150.00 | \$ 245.00 |
| 3 each Armitron ARB-704 | | 1 with manual | | | \$ 45.00 | \$ 60.00 |
| ICOM IC-706 MK IIG | Y | Y | | 18783 | \$ 500.00 | N/A |
| Kenwood TR 751A mono band 144 mhz | Y | Y | | | \$ 200.00 | N/A |
| Kenwood TS 680S HF + 6M | Y | Y | | | | |
| Kenwood TS 480 | Y | Y | | | \$ 750.00 | \$ 1,050.00 |
| Realistic HTX-100 | | Y | Y | | \$ 85.00 | N/A |
| Sharp CB-500 USB | Y | | | | \$ 20.00 | N/A |
| Yaesu FT 1802 | no mic | Y | Y | | \$ 85.00 | N/A |
| Alnico DR 235 mk III | Y | Y | Y | | \$ 200.00 | \$ 225.00 |
| Realistic 440mhz CAT# 19-1140 | | | | | \$ 200.00 | |
| 1-500z transmit tube and socket | | | | | | |
| | | | | | \$ 5,175.00 | \$ 5,141.00 |

Amateur Radio Examinations Monroe, MI

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

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

Walk-ins are always welcome.

2019 Schedule:

| | |
|-------------|-------------|
| February 16 | 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

April 18th 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