

The Hertzian Herald



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Hello everyone,

Thanks to everyone who showed up for the Christmas party and brought bountiful food to share. As usual the food and conversation was great and was enjoyed by all. The reverse gift exchange was a blast and an air fry machine seemed to get traded the most. Everyone left with something either great or fun. Thank you to the many hands that helped make the clean-up go fast. I'm looking forward to next year's fellowship and fun.



It's time for the polar vortex to bless us with very low temperatures. I hope everyone stays nice and warm during the cold spell. I used to work in all weather and don't miss it at all. I know most of you still have to brave the drive and some of you get to bundle up to work in the cold. Please be safe in your travels. I've had a power outage this weekend but I'm happy it was repaired in a few hours.

The ARRL Volunteers on the Air (VOTA) year long event is over and I enjoyed operating mostly FT8 for my points. I also added 29 new Countries to my logbook. I also passed 10,000 confirmed contacts in my log. With 4100 QSO's, I finished 14th in Ohio. At the time of our September meeting I was 148th. When Paul noted our VOTA scores at that meeting I took it as a challenge. It was mostly fun but sometimes listening to FT8 can be like music sometimes like noise. The VOTA event sure got me to be a much better FT8 operator. I think that is the point of any contest or event. It also tests your patience greatly.

I Hope everyone stays safe and warm during this cold weather. I hope to see you at our next meeting.

73
Keith



<http://mcrca.org/>

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

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There was no meeting in December because of the Party.

Party pictures below courtesy of Wes KC8SKP.



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
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Property Custodian
Paul Trouten W8PI

ARPSC Report

Welcome to 2024, the snow and cold have finally found us.....

There are a few upcoming ARES operational events to keep you busy during the cold months.

Saturday Jan 20th Ohio Simplex Contest—Great way to test your ability to reach out without using repeaters
<https://ohsimplex.org/>

Saturday/Sunday Jan 27th Winter Field Day
<https://winterfieldday.org>

MCRCA Tech class Saturday Feb 10th—See MCRCA website or contact Don N8BZN for more info.

Saturday March 2 9am ARPSC Saturday Session 9am Advanced Winlink practice

Tuesday March 5th NWS Monroe SKYWARN Training Dundee Fire Dept 6:30pm-8:30pm Registration required
<https://www.co.monroe.mi.us/305/Sky-Warn-Spotter> It is valid for 2024

Saturday March 9th SPECIAL SATURDAY SESSION: Intro to ARPSC* See below for more info

On Saturday March 9th - 9am at EMD there will be a special session for anyone interested in emergency communications/ ARPSC. This will be an excellent opportunity for those that successfully pass Don's class in February to learn about the role ARPSC performs for Monroe County. It is also recommended for those that do not currently participate in ARPSC or those that have started participating in the last year to learn the basics. Look for signup link on the Monroe ARPSC website under "Upcoming Public Service Event" at MCARPSC.ORG. I will also be getting a flyer up on the website.

Finally, I would like to announce the retirement of one of the most important long time supporters of Amateur Radio and the Monroe ARPSC program, County Emergency Management Specialist Ms. Susan Martinez! Susan will be retiring from EMD after 26 years on February 2nd, 2024. Susan has always been a prominent supporter of ARPSC and is the lynch pin for getting things done at EMD. Amongst hundreds of other jobs, she coordinates the yearly NWS SKYWARN training for us and helps me out with any questions I have. Susan will be greatly missed by a lot of folks in the Public Safety realm for all the work she does making everything happen and I would like to say a heartfelt Thank You, Congratulations on your MUCH deserved Retirement and know you will be GREATLY MISSED!

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 February 1st.

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



DAVID SAYLORS

WK4DS Amateur Radio Blog

I used Modern Digital Modes and I have mixed feelings.

Well, it finally happened. KV9L helped me setup my computer at home to work some digital modes with my IC-705. It turns out that all I needed to connect my IC-705 to my desktop PC was a simple USB cable! It also took a significant amount of "know how" from my buddy Aaron to get them talking to each other as well. The two modes that I have played with so far as FT4 and FT8. These seem to be the current hotness in digital modes with FT8 clearly winning in popularity as the "watering hole" for it on 20 meters has dozens of stations on the air pretty much 24/7. The FT4 area can go long periods of time with no one there at all. Just to see if I like this idea, I have just wired the 705 up temporary on the shack bench with wires running this way and that... Once I decide if I want to keep this up or not, I will put all those pesky wires away...but till then!



All I needed was a USB cable that was in the storage bin 3 feet away...lol.

I will be honest though, I am kind of stuck in the past. I really like the kinesthetic feel of working with my gear and once setup, these new digital modes are pretty hands off. I was blown away at how far I could hear stations that are not even perceptible to the ear when using the "main two" modes (SSB & CW).

I was hearing stations from all over the world on my simple vertical antenna. Here comes some of the problems though. They either wouldn't answer or couldn't hear me when I would click on them. That isn't to say that I didn't make any contacts but it is not as easy as I was thinking it would be. Often I would choose a station to answer just to have them continue to call CQ.

Another thing I learned was that there is a good bit of waiting... Actually, there is a lot of waiting... it takes 15 seconds on FT8 to send one message, in one direction, and another 15 to send the reply. A typical QSO is 4 messages (as best as I can figure) from each person so a full two minutes to finish one QSO. This doesn't sound like a long time till you are sitting there watching the QSO happen in real time. It goes a little as follows: they call CQ, you call them for a QSO, they don't hear you the first time as you started transmitting in the middle of a cycle, so they call CQ again, then your message is repeated, they accept your call and send signal report, you send signal report back, they acknowledge and 73, you close with 73...all automatically. Each one of these is a full 15 seconds of waiting since the computer is handling everything for you. If the band is crowded and noisy or you are like me, running QRP power, the exchange can take multiple attempts to complete each stage (all of this is also automated), running the total time up even further.

Here is an example of a QSO I had with KP4PUA in Puerto Rico and notice we had to send signal reports twice to complete the QSO, This took a full 2 minutes to exchange this simple contact.

				Rx Frequency	
UTC	dB	DT	Freq	Message	
022300	0	0.1	1305 ~	CQ W2WHC EM10	U.S.A.
022321	Tx		1143 ~	W2WHC WK4DS EM74	
022330	-2	0.1	1305 ~	KR8SRX W2WHC -11	
022400	9	0.3	2393 ~	CQ KP4PUA FK68	Puerto Rico
022415	Tx		525 ~	KP4PUA WK4DS EM74	
022430	6	0.3	2392 ~	WK4DS KP4PUA -14	
022445	Tx		525 ~	KP4PUA WK4DS R+06	
022500	7	0.3	2392 ~	WK4DS KP4PUA -14	
022515	Tx		525 ~	KP4PUA WK4DS R+06	
022530	4	0.3	2393 ~	WK4DS KP4PUA RRR	
022545	Tx		525 ~	KP4PUA WK4DS 73	

Another thing that happens is they give up after three or four attempts at the QSO. Burning a full 5 minutes or more just ATTEMPTING to complete a QSO. So I tried several times and made maybe a dozen QSO contacts over the past couple of days. This ends up being very frustrating and to be honest...boring... for a CW op who is used to things happening differently. I found myself picking a callsign for my computer to attempt to call and then leaving it to make the QSO and going for snacks, water, or even a bathroom call and just checking for the complete QSO window when I returned. It is a fully automated process and requires nothing from you other than to click the ok button and choose another callsign.

I can see the value in it though, as it takes very little energy and lots of stations can fill the same band space as a single SSB QSO. I mean a lot, like dozens or maybe more as shown in the waterfall above. All of those little yellow squares are exchanges happening and they are taking about 100hz of band space and they can also duplex and share the band space at the same time...from what I can tell. So it has merit, just not for an old CW op like myself.

Now to be honest, FT4 is more my speed as it took half the time to send each message. Waiting 7 1/2 seconds seems like a trivial amount of time difference, but it does seem to pass be faster than the 15 seconds of FT8 for some reason...

Continued next page

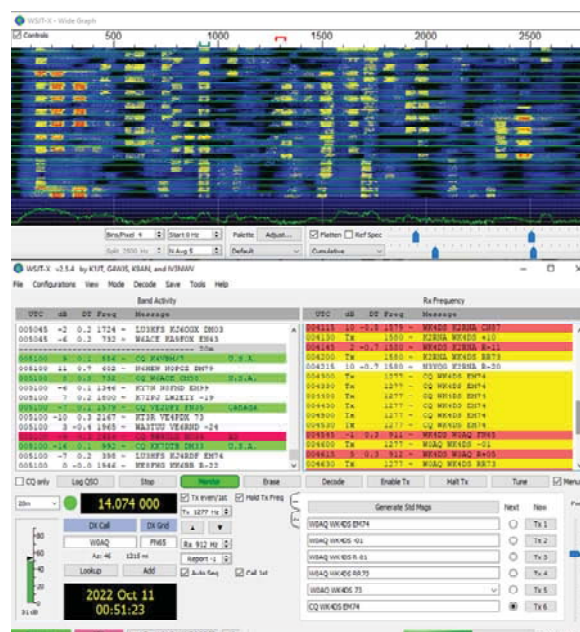
Like disproportionately faster. Even though there is only 7 1/2 seconds difference, it just seems like it is 4 times faster for some reason, it must be a mental block or something, but that is how I see it. I have been letting it run on FT4 while I typed up this blog post and actually made a few QSOs while I have been here. Not many as FT4 is not as popular as FT8 for some reason and there are not as many people using this mode.

So who do I think this mode of operation is for? That is a great question. I would guide the new ham to it, as once setup, it is very simple to operate and you don't have to worry about "mic fright" as it is literally point and click. Another group that would be well served right away is the younger generation as they are accustomed to this type of interface and for them,



it would "just make sense" for them as they are used to using computers all their lives. Another group would be the person that has been injured or incapacitated in some way that prevents them from using the usual modes, as long as they can drive a mouse, they can get on the air. Shoot, if you just like using digital modes, then it is there

for you! There are others of course, my point is that I am not bashing digital modes here, I have just found it wasn't what I expected and that it isn't really for me...at this time. I hope to be able to add a computer to my activation gear list at some point and that should enable me to add digital modes to my activation tool kit. I carry a microphone now, but rarely use it, and that needs to change... I really enjoy quietly sitting in the park working CW though, so I am torn... lol. Anyway, till then I will keep using my little QRP radios and having a grand ole time. If you have not gotten out and activated a park, I highly recommend it. I am going to write up what I pack for an activation, and that is my style, and share that with you soon.



Me working the OG digital mode...CW on my tiny N6ARA paddles

<https://www.davidsaylors.com/wk4ds-amateur-radio-blog/cpz0fjq40i5z2ukch5s87qqcndtldm>



Tech Trivia - Radio Bug Bites Boy

The most anticipated present that Christmas of my eighth-grade year was a Red Ryder BB gun, but in a small box (left toward the end, as probably containing only clothes) was a one transistor AM radio kit — really little more than a crystal set as I look back on it. In the snow and slush I strung the fifty feet of aerial wire from my bedroom window to the old pear tree, and fell asleep many a January night listening to WSPD, WJR, and CKLW — usually simultaneously. It was 1957, but I wasn't interested in Buddy Holly or Elvis Presley — I was absolutely fascinated by the feat of pulling voices out of the air from fifty miles away. It was magic.

Of course, I had grown up listening to The Lone Ranger and Sergeant Preston of the Northwest Mounties on the superhet in the living room; and by 1954 that had been replaced by a 17-inch black-and-white RCA television. but these were just appliances — pieces of furniture — whose innards were no more to be comprehended than those of the bus that took me to school. My little radio had only five or six parts. Maybe I could find out how it worked.

By spring I had read every 'Boy's book of Radio' in the library, but my experiments had led to the demise of my one-transistor radio. Efforts to build my own radio from plans in the Boy's Books were proving unsuccessful. I remember stripping yards and yards of vinyl-insulated wire left behind when a phone-company truck drove away; somehow I had become convinced that a tuning coil had to be wound with bare wire.

Finally, in desperation, I cracked open my piggy bank and plunked down all eighteen dollars for a Philmore two-tube-plus-rectifier regenerative radio kit, with AM plus 6 to 18 Mc shortwave band (whatever that meant.) The Allied Radio Ocean Hopper and the famous Heathkit AR-3 were available at that time, but we had never heard of them or seen their catalogs — and the wily old coot at the radio store was not about to enlighten us.

My father and I built that radio on a card table in the kitchen, heating the non-electric soldering iron on the burners of the stove. The directions were mimeographed and sketchy, so I marvel still to think that we got it working first time. I still have the schematic: 12SJ7 regen-detector, 50L6 audio amp, 35Z5 rectifier. Pretty standard layout.

I spent the first week or so listening to the BBC, the Voice of America, and Radio Moscow. Pretty heady stuff, in the days before long-distance telephone calls were common, to hear the commies talking to you direct. But before long, I discovered the ham bands. SSB was just getting started in '57, so there were lots of AM stations to be heard. I started picking up the jargon: QTH, RST, CQ, OM, QRM. It slowly dawned on me that I could become a transmitting 'ham' and that it required knowledge of the Morse code. I made flash cards (quite useless) in an effort to learn it.

In September I started high school, and the school had a radio club. At last, I had some upperclassmen I could talk radio with — and who would send me code practice. By mid-November of '57 I was picking up snatches of CW from the 40- meter novice band on that clumsy regenerator. (I still have the SWL log I kept of all my eavesdropping.)

Christmas of 1957 was quite a harvest: a Hallicrafters S-38E receiver (4 tubes plus rectifier), an Eico 1000-ohm-per-volt multimeter, and an electric soldering gun. My listening-in took a strong turn away from AM and towards CW as I prepared for my novice test.

The Rev. Alfred Schindler, pastor of St. Catherine's Church, gave me that test on Feb. 15, 1958. I had attended his church and school for years, but had no idea that he was W8OXK. To me, he was the venerable and somewhat distant prelate who officiated up at the altar. I was rather astonished when, instead of giving me the regulation five minutes of text at a measured 5 wpm, he just tapped out eight or ten letters, saw that I was copying it, and announced that I had passed.

In the two months it took the FCC to process my license, Dad and I built a Heath-kit DX-20 transmitter and strung a 40-meter dipole from the house to the garage. Shortly before the big day, Dad discovered that Joe, W8LNV, lived just two blocks down the street, and he agreed to be my first QSO.

On April 16 the ticket arrived — I was KN8JWR. I called Joe to arrange a QSO, but I hadn't the slightest idea what to say, and my fist was shaking so violently, I'm sure my CW was unintelligible. The big problem was finding my frequency on the receiver. Every time I touched the key, even with both antennas off, there was this big BLATT that blanked out the whole novice band.

Eventually, I read Joe sending congratulations and telling me to get off on my own and make a QSO. So, with my hand still trembling, I sent: CQ CQ CQ de KN8JWR, took the receiver off standby, and listened.

73 de Dan, K8JWR

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.

LIBYA, 5A. Abubaker, 5A1AL has been active on 80, 60, and 40 meters at various times using FT8. QSL via Club Log.

MOROCCO, CN. Michel, F5LRL will be QRV as CN2DX near Kenitra from January 20 to February 10. Activity will be on 40 to 6 meters using CW and SSB, with FT8 on 6 meters, from 0500 to 1000z, and then 1800 to 2200z. QSL via EA5GL.

PHILIPPINES, DU. Mike, W6QT is QRV as DU3/W6QT from Olongapo City until the end of January. QSL to home call.

ETHIOPIA, ET. Bob, W9XY plans to be QRV from the ET3AA club station at Addis Ababa University's Institute of Technology until January 20. Activity will be on the higher bands. QSL via N2OO.

CLIPPERTON ISLAND, FO. Look for TX5S to be QRV for 16 days beginning January 17. Activity will be on 160 to 6 meters using CW, SSB, RTTY, FT8, 6 meter EME, and active on various Satellites. QSL via operators' instructions.

WALLIS AND FUTUNA ISLANDS, FW. Jean-Gabriel, F4CIX is QRV as FW1JG from Wallis Island, IOTA OC-054, until the end of January. Activity is on 40 to 6 meters using SSB and FT8. QSL via LoTW.

THAILAND, HS. A group of operators are QRV as E20AX/p from Lipe Island, IOTA AS-126, until January 14. Activity is on 40 to 10 meters using CW, SSB, and FT8 with two stations. QSL via E21EIC.

DOMINICA, J7. Laurent, FM5BH and David, F8AAN will be QRV as J79BH and J79AN, respectively, from January 17 to 24. Activity will be on 80 to 10 meters using mainly CW with some SSB and FT8. QSL direct to home calls.

MINAMI TORISHIMA, JD1. Take, JG8NQJ will be QRV as JD1/JG8NQJ from the weather station on Marcus Island, IOTA OC-073, from January 15 until mid-April. Activity will be in his spare time on the HF bands using CW and some FT8. QSL direct to JA8CJY.

GREENLAND, OX. Special event stations OX24QUEEN and OX24KING will be QRV from January 12 to 14, and January 14 to 16 respectively, to mark the abdication on January 14 of Queen Margrethe II of Denmark, and the ascension of King Frederik X to the throne. QSL via OZ1ACB.

FAROE ISLANDS, OY. Special event stations OY24QUEEN and OY24KING will be QRV from January 12 to 14, and January 14 to 16 respectively, to mark the abdication on January 14 of

Queen Margrethe II of Denmark, and the ascension of King Frederik X to the throne. QSL via OZ1ACB.

DENMARK, OZ. Special event stations OZ24QUEEN and OZ24KING will be QRV from January 12 to 14, and January 14 to 16 respectively, to mark the abdication on January 14 of Queen Margrethe II of Denmark, and the ascension of King Frederik X to the throne. QSL via OZ1ACB.

SABA, SINT EUSTATIUS, PJ5. Janusz, SP9FIH is QRV as PJ5/SP9FIH until March 3. Activity is on 40 to 6 meters, and possibly 60 meters, using SSB, RTTY, FT8, and FT4. QSL via LoTW.

PALAU, T8. Operators JH6WDG, JA6KYU, and JA6EGL are QRV as T88AQ, T88HS, and T88SM, respectively, from Koror Island, IOTA OC-009, until January 18. Activity is on various bands and modes. QSL T88AQ via JH6WDG, and T88HS and T88SM direct to home calls.

GABON, TR. Roland, F8EN is QRV as TR8CR until February 28. Activity is on 30 to 10 meters using CW. QSL via F6AJA.

MALI, TZ. Jeff, K1MMB is QRV as TZ4AM from Bamako. Activity is on 80 to 10 meters using CW and SSB, with a beacon on 6 meters as TZ6HY/B. QSL via KX4R.

MONTSERRAT, VP2M. Thaire, W2APF is QRV as VP2MDX until April 11. Activity is on 80 to 6 meters using CW, SSB, FM, and FT8. QSL direct to home call.

INDIA, VU. Operators VU3EFG, VU3FJT, and VU2OGQ are QRV as AT5D from Kanyakumari until January 31 for a Beaches On The Air activation. QSL via VU3EFG.

ST. HELENA, ZD7. Elvira, IV3FSG will be QRV as ZD7Z from Jamestown from January 16 to February 4. Activity will be on 160 to 6 meters, including 60 meters, using CW, SSB, RTTY, FT8, and FT4. QSL via IK2DUW.

CHATHAM ISLANDS, ZL7. Station ZL7DX has been active on 6 meters using FT8 around 2100z. QSL via M0OXO.

THIS WEEKEND ON THE RADIO. The North American CW QSO Party, WAB 1.8 MHz Phone, DARC 10-Meter Contest, NCCC FT4 Sprint, Weekly RTTY Test, QRP 80-Meter CW Fox Hunt, NCCC CW Sprint, K1USN Slow Speed CW Test, YB DX SSB Contest, SKCC Weekend CW Sprintathon, UBA PSK63 Prefix Contest, NRAU-Baltic Contest and the RSGB AFS Data Contest are all scheduled for this upcoming weekend.

The K1USN Slow Speed CW Test, 4 States QRP Group Second Sunday Sprint, ICWC Medium Speed CW Test, OK1WC Memorial, Worldwide Sideband Activity Contest, QRP 40-Meter CW Fox Hunt, Phone Weekly Test, A1Club AWT, CWops Test, VHF-UHF FT8 Activity Contest, Mini-Test 40 CW and the Mini-Test 80 CW are on tap for January 15 to 17.

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

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

January 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

One Day Bi-Monthly Technician classes

Next class will be February 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

New MCRCA Members

Please welcome recent new members to the club.