



THE SCOPE



The Central Michigan Amateur Radio Club and Lansing Civil Defense Repeater Association

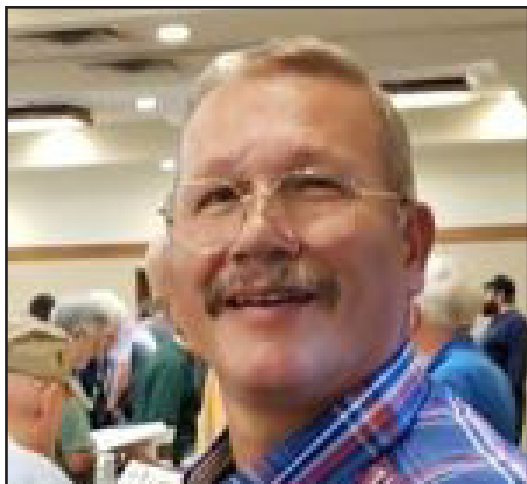
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SEPT / OCT / NOV / DEC 2021

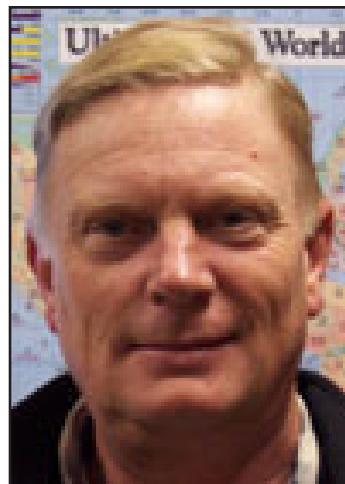
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Congratulations to new 2022 Board Members!

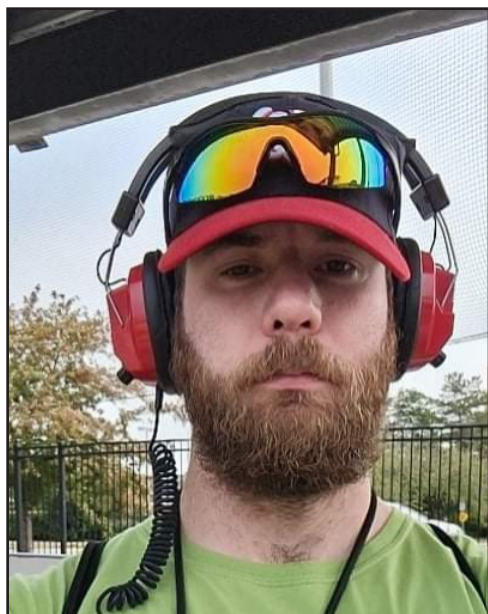
They will join or rejoin the current Board in January 2022.



Dan Dembinski / KD8YDE



Gregg Mulder / W8GG



Dan Beuchert / WX8MOJ



Mike Wetzel / W8QF

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CMARC OFFICERS

PRESIDENT: Gordy Smith (KE8JKS)
VICE PRESIDENT: Dan Dembinski (KD8YDE)
TREASURER: Shannon Ranes (WA2NVK)
UNDER 22 DIRECTOR: *Vacant Position*
DIRECTOR: Kelly Fitzgerald (N9PC)
DIRECTOR: Gregg Mulder (W8GG)
DIRECTOR: Michael Wetzel (W8QF)

CMARC APPOINTEES

MEMBERSHIP CHAIR:

John Doornhaag (KD8NNQ)

CARDS & FLOWERS: Jane Hosford (KC8FSK)

CLUB CONTACT: Gregg Mulder (W8GG)

CLUB HISTORIAN: *Vacant Position*

ANTENNA PROJECTS CHAIRMAN:

Gregg Mulder (W8GG)

LANSING ARPSC LIAISON:

Jim Hannahs (KC8QWH)

SCOPE EDITOR, QSL/AWARDS MANAGER,

CLUB STATION MANAGER:

Chris Ranes (NS8Q)

CLUB PHOTOGRAPHER:

Kenneth Hazlett (N8BVV)

W8PLP TRUSTEE: Chris Ranes (NS8Q)

W8MAA TRUSTEE: Dan Harger (WD8BCS)

LCDRA OFFICERS & APPOINTEES

PRESIDENT: Dan Beuchert (WX8MOJ)

VICE PRESIDENT: Ron Harger (WD8BCS)

SECRETARY: Troy Creed (W8TCC)

TREASURER, MEMBERSHIP CHAIR:

Michael Boensch (W8MKB)

DIRECTOR: Jeff Goeke-Smith (KC8PUN)

DIRECTOR: Dawn Beuchert (KD8MWA)

DIRECTOR: Jim Hannahs (KC8QWH)

REPEATER TRUSTEE: Dennis

Boone (KB8ZQZ)

The Scope is a bi-monthly joint publication of the Central Michigan Amateur Radio Club and the Lansing Civil Defense Repeater Association.

Please send any articles, classified ads, or other items to the Editor, Chris Ranes, NS8Q at scope@centralmiarc.com. Pictures should be mailed in .jpeg format, and articles in Microsoft Word or TXT format.

The views and opinions expressed by our contributing authors do not necessarily reflect the views of the Central Michigan Amateur Radio Club or the Lansing Civil Defense Repeater Association.

Treasurer's Report – August 2021

Shannon Ranes / WA2NVK – CMARC Treasurer

<u>Beginning Business Checking Account Balance</u>	\$4,235.96
Total Monthly Income	\$417.48
Total Monthly Business Expenditures	(\$168.59)
Total Business Checking	\$4,484.85
Petty Cash	\$1.00
Outstanding Checks	(\$138.49)
Sub Total + Petty Cash	\$4,347.36

Primary Shared Accounts

Humphrey's Fund	\$384.58
Club Station	\$19.09
Building Fund	\$260.10
Field Day	\$408.99
Total Net Worth	\$5,420.12
Youth Fund Balance*	\$254.92

*Separate from CMARC Funds

Notes

Checking – Deposited \$50.00 Dues, \$36.36 Amazon Smile donation, \$320 donations from Ladies Night and return of Ladies Night products.

Paid \$168.59 toward Ladies Night expenses.

(Ladies Night not yet reconciled.)

(Field Day not yet reconciled, nor funds transferred.)

Building – \$0.01 interest.

Two \$40.00 memorial checks have not cleared.

Treasurer's Report – September 2021

Shannon Ranes / WA2NVK – CMARC Treasurer

<u>Beginning Business Checking Account Balance</u>	\$4,484.85
Total Monthly Income	\$0.00
Total Monthly Business Expenditures	(\$522.78)
Total Business Checking	\$3,962.07
Petty Cash	\$1.00
Outstanding Checks	(\$80.00)
Sub Total + Petty Cash	\$3,883.07

Primary Shared Accounts

Humphrey's Fund	\$384.60
Club Station	\$19.09
Building Fund	\$260.11
Field Day	\$409.01
Total Net Worth	\$4,955.88
Youth Fund Balance*	\$254.93

*Separate from CMARC Funds

Notes

Balance paid for HamFest Building use.

(HamFest not yet reconciled, nor funds transferred.)

(Ladies Night not yet reconciled.)

(Field Day not yet reconciled, nor funds transferred.)

Building – \$0.01 interest.

Two \$40.00 memorial checks + one \$58.49 check have not cleared.

Treasurer's Report – October 2021

Shannon Ranes / WA2NVK – CMARC Treasurer

<u>Beginning Business Checking Account Balance</u>	\$3,962.07
Total Monthly Income	\$0.00
Total Monthly Business Expenditures	(\$146.03)
Total Business Checking	\$3,816.04
Petty Cash	\$1.00
Outstanding Checks	(\$80.00)
Sub Total + Petty Cash	\$3,737.04

Primary Shared Accounts

Humphrey's Fund	\$384.62
Club Station	\$19.09
Building Fund	\$260.12
Field Day	\$409.03
Total Net Worth	\$4,809.90
Youth Fund Balance*	\$254.94

*Separate from CMARC Funds

Notes

Paid \$20 and filed non-profit paperwork.

Paid for U-Haul and gas to move.

(HamFest not yet reconciled, nor funds transferred.)

(Ladies Night not yet reconciled.)

(Field Day not yet reconciled, nor funds transferred.)

Building – \$0.01 interest.

Two \$40.00 memorial checks have not cleared.

Treasurer's Report – November 2021

Shannon Ranes / WA2NVK – CMARC Treasurer

<u>Beginning Business Checking Account Balance</u>	\$3,961.04
Total Monthly Income	\$34.39
Total Monthly Business Expenditures	(\$0.00)
Total Business Checking	\$3,995.43
Petty Cash	\$1.00
Outstanding Checks	(\$0.00)
Sub Total + Petty Cash	\$3,996.43

Primary Shared Accounts

Humphrey's Fund	\$384.64
Club Station	\$19.09
Building Fund	\$260.13
Field Day	\$409.05
Total Net Worth	\$5,069.34
Youth Fund Balance*	\$254.95

*Separate from CMARC Funds

Notes

AmazonSmile contributed \$34.39

(HamFest not yet reconciled.)

(Ladies Night not yet reconciled.)

(Field Day not yet reconciled, nor funds transferred.)

Treasurer's Report – December 2021

Shannon Ranes / WA2NVK – CMARC Treasurer

<u>Beginning Business Checking Account Balance</u>	\$4,031.17
Total Monthly Income	\$1,880.00
Total Monthly Business Expenditures	(\$250.00)
Total Business Checking	\$5,661.17
Petty Cash	\$1.00
Outstanding Checks	(\$0.00)
Sub Total + Petty Cash	\$5,662.17

Primary Shared Accounts

Humphrey's Fund	\$384.66
Club Station	\$19.09
Building Fund	\$1,198.14
Field Day	\$200.58
Total Net Worth	\$7,464.64
Youth Fund Balance*	\$254.96

*Separate from CMARC Funds

Notes

Field Day, Ladies Night, and HamFest reconciled.

Deposited money for Dues, Hamfest 2021, and cookbooks.

Deposit paid to hold the HamFest 2022 facility.

Deposited donations from members to Building Fund, including proceeds of ham gear donated and sold.

~Credit Union deposited the \$938 Donations into Small Business Checking instead of Building Fund.

~Will be transferred but already reflected above correctly.

Make a Tax-Deductible Donation.

Did you know you can make a tax-deductible donation to CMARC because we are a 501(c)3?

Checks can be made out and mailed to:

CMARC

PO Box 54

Mason, MI 48854-0054.

Please include your email address so our Treasurer can email a receipt to you for your records.

Upcoming Meetings Held on the Zoom Platform

CMARC General Meeting held on the second Friday of each month at 7 pm.

<https://us02web.zoom.us/j/89916190971?pwd=bWh4V2lVQXZLTlMeFBmaWVGK3haZz09>

Meeting ID: 899 1619 0971 Password: 891964

LCDRA Meetings held at 7 pm (January 21, April 15, July 15, and October 21).

<https://us02web.zoom.us/j/82349525177?pwd=TlRYTkJNUUNEbnNIWFY5ZlhzVII2QT09>

Meeting ID: 823 4952 5177 Password: LCDRA

ARPSC Meetings held on the third Monday of each month at 7 pm.

<https://us02web.zoom.us/j/84852196879?pwd=OE9TV2pVcXRHRWFXQm9rSUo1RUVkdz09>

Meeting ID: 848 5219 6879 Password: 601694

Call for Nominations:

2022 CMARC Board of Directors

Nominations will close at the November 12, 2021

CMARC meeting for three Director positions.

**Please email the CMARC Board to nominate
yourself or someone else.**

board@centralmiarc.com

Ingham Co. Volunteer Examiner Team

West Lansing Church of Christ

5505 West St Joe Hwy | Lansing, MI 48917

A special Thank You to Michael Wetzel (W8QF) for securing a temporary testing facility for us to use during the cold winter months of the pandemic! The pictures below are from the January 9th testing session. We had a total of 22 candidates, with 36 total tests administered. Congratulations to all the successful test takers!

If you are ready to take your exam(s), then feel free to join us on a date(s) listed below. Please contact Don McLain (KB8RAD) if you have questions or if you would like to register for your exam. As always, walk-ins are welcome.

Don McLain (KB8RAD) (517)930-7707 KB8RAD@arrl.net



PHOTOS BY: GORDY SMITH / KE8JKS

Test sessions will be held on the dates listed below at 11:00 am.

You may check-in as early as 10:30 am with no check-ins allowed after 11:30 am.

June 12, 2021 July 10, 2021 August 14, 2021 September 11, 2021

October 9, 2021 November 13, 2021 December 11, 2021

Custom Woodworking Pieces by Jim Hannahs, KC8QWH

ginhannahs@gmail.com (517) 589-8346

100% of the proceeds will benefit
LCDRA (Lansing Civil Defense Repeater Association)



Bat House - \$15



Blue Bird House - \$15



Bobbing Head Bird - \$20



Butterfly House - \$20



Large Wheelborrow - \$35



Small Wheelborrow - \$30



Log Cabin Bird Feeder - \$45



Regular Bird House - \$15



Suet Feeder - \$15



Trellis - \$20

PHOTOS BY: GINNY HANNAHS / KD8HPG

Out West Portable 2021

By Gregg Mulder , WB8LZG

It had been over 2 years since our last visit to see the kids in California, so my XYL and I packed up the pickup truck and trailer before Thanksgiving and headed for the west coast. Driving out west was an adventure all its own. We stopped in several small towns to rest and see the local sights along the way. I couldn't resist a picture of this caboose in Missouri. A great logo on the gondola. They must have been using "Spark" to send messages.



We arrived in southern Cal. the day before the holiday to nice warm weather. Perfect for assembling the ham gear. My rig of choice for portable operations was the Yaesu FT-817. I've used this radio for portable ops for many years now, and it has proven itself a very capable rig for this purpose. The kids live in the desert on the edge of the Sequoia National Forest. I was looking forward to some great fun running QRP from this new QTH out in the high desert, Field Day style.

So, while they were cooking the Thanksgiving dinner, I was busy assembling the ham station in the trailer. I had tested all of the ham gear before leaving, and now was the actual test.

I pulled out the "Phoenix Vertical" and extended it to the proper length. (see Dec. 2021 NAQCC newsletter) Making sure all the clamps were tight, I hoisted it up to the top of the ladder rack in the trailer and secured it on the mount. Then I spent the next 20 minutes spreading out the radials. My radial pack has 6 wires for 20 meters, 6 for 40 meters, and a couple extra for 80 and 15.



P/6 from California



Close up view of the radial system.



Here I am at the radio P/6.

Extra care was taken when laying them out to ensure none of the other family members tripped or “hung” themselves on all the wire. I plugged in the coax and power to the rig and was rewarded with many signals as I switched on the radio. Oh boy! A quick check of the SWR on 20 and 40 showed all was playing nicely. I even had a nice match on the 18 Mcs band. Icing on the cake! Just then, the chow bell rang. Looks as though I’d have to wait until after the family meal.

Later in the afternoon, I snuck off to the trailer with a full belly to see if my lashup would produce some good results.

I had just applied for and was granted a new callsign, W8GG, so after nearly 50 years as WB8LZG, I was anxious to give the new call a try. My 1st QSO was with N9JF, Jim, in Illinois on 18 Mcs. (that’s where I had left the dial) We had a good solid QSO, and then I switched to 20 meters to see what I could raise there. I had a very nice rag chew with Cecil, K5YQF, in Texas, who was also a trailer traveler. Small world.

Then I listened around to see if I could snag any DX. Sure enough, I answered CQ’s from 2 different Japanese stations, both giving me good signal reports. Yes, the new skyhook was indeed working!

The next evening right before the CQWW contest, I answered a CQ from Hawaii and smiled in satisfaction as he came right back to me. Oregon also made it into the log on 40 meters before going QRT for the night. I had thought about getting on the air for the CQWW contest, but family obligations kept me from the radio for the rest of the weekend. All too soon, it was “tear down” time. The radials were wound up, the vertical taken down and collapsed, ready for the next temporary QTH. Next stop, Arizona!

We were going to stay in Lake Havasu, Arizona, but the state park was full. This turned out to be advantageous for us as we continued south and found a great location at Cattail Cove state park. This park was very quiet and very beautiful. The only trouble was that it was in a very DEEP canyon with mountains on all sides. A real challenge for radio propagation. We were “Off the Grid.” This meant no TV, internet, Cell Phone, radio, and contact with the outside world, except for ham radio. This also proved to be a refreshing relief from the “same old news” every day on the TV and FM radio. As I assembled the antenna and radials, I wondered if I’d have any success at all getting a QRP signal out from down in the canyon. I wanted to set up my 20-meter dipole, but park rules forbid the use of the trees. I did ask the rangers for permission to lay out my radials. So up went the vertical, yet I was skeptical about my odds for any radio contacts. Conquering the high canyon walls would take all the juice I could get.



Hiking in the tall Arizona canyons along the Colorado River. California on the other side in the background.



Looking down from the top of the canyon trail near our campground.

I figured that I might need a bit more power to “get out” through the tall canyon walls. I found a local Power Plant at Parker Dam, AZ. to hook into to supplement my FT-817 output. That night I snuck out of camp and secretly plugged in my 2-mile long 12v power cord to the “mains.” The only problem was, every time I went “key down,” Lake Havasu, Barstow, and half of Las Vegas all experienced blackouts on the electric grid. Hee Hee.

It took a few tries, but I finally grabbed good QSOs from AZ p/7 land with hams in Florida and Oregon before rapping it up. Proof that even with a less than ideal location, ham radio can get through! We stayed a few more days there; however, there was no more time for radio ops, as we were busy hiking the trails and taking in the beauty of the canyonlands. The trip’s next leg took us to the Petrified Forest National Park. This looked like it would be a great place to set up the rig; however, we spent all of our time exploring the park. No time for radio. (oh, the shame)



Parker Dam. My own “personal” 200 Gigawatt power supply.



The “Blue Mountains” in Petrified Forest National Park.



Petrified logs lying about in all directions for miles.

After over 3 weeks as traveling vagabonds, we had to pack it all up and head back to Michigan. I didn't get as much on air time as I had envisioned; however, the times I did get to operate were fun and rewarding.

In closing, I'd like to put in a plug for our state and national parks, the most beautiful destinations in the world. I can't say enough good things about them. Every place we went had breathtaking views. The other pleasant experience was the park rangers. All of the rangers we met were friendly, courteous, knowledgeable, and very helpful. After explaining that my radial wire wouldn't damage anything, they even let me hang some of my radials from nearby trees. In short, we had a wonderful trip visiting family and touring the countryside together. Stay tuned for more adventures in 2022, as we plan to go south sometime during the winter to escape the cold. ■



Local HAM and Army Reservist Tom Horton, KD2GVS, was informed late September that his reserve unit had been one of four companies selected to pull volunteers for a deployment within the continental United States. The mission: aiding, supplying, transporting, and relocating refugees that just recently arrived from Afghanistan. Six major installations house the refugees, including Camp Atterbury, Indiana and Ft. Pickett, Virginia.

SPC Horton, whose promotion board to Sergeant is just around the corner, heard the odds of him getting selected were roughly 1 in 16. He didn't like those odds, so he volunteered. Horton will now mobilize before the end of October, heading north for a one-year deployment. He and his new company are likely to specialize in transporting refugees to resource centers, health providers, and aiding in relocating them to permanent homes. Horton will resume his surfing of the radio waves when he returns late fall of 2022.

Operating notes:

By Dan Romanchik, KB6NU

Tell operators when they're off frequency

Hams can sometimes be hesitant to notify others when their signal isn't quite up to snuff or when they're off frequency. After a recent contact, I've decided that I'm always going to mention this to someone that I'm in contact with.

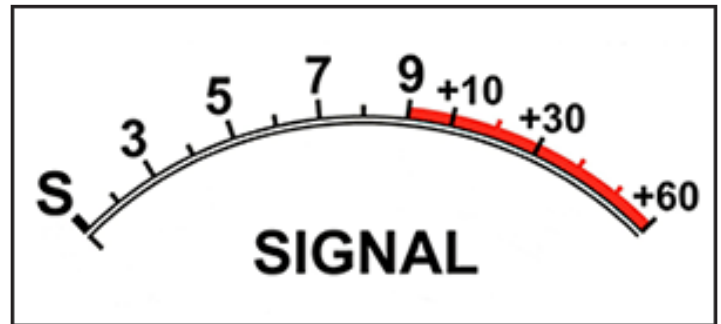
What happened is that a station answered my CQ, but he was so far off frequency that I missed his first call. I could see him answer me on the waterfall, but he was outside my passband, which was set to 250 Hz, so I couldn't hear him. I set my RIT so that I could hear him and sent QRZ?, and when he replied to that I picked him up just fine.

We went through the RST/QTH/name first exchanges, and on my second transmission, I mentioned that he was transmitting about 500 Hz below my frequency. When it was his turn, he thanked me for mentioning that, and said that he was wondering why CQing stations never seemed to hear him. He spent the next couple of transmissions zeroing in on my frequency. Hopefully, he'll now be heard by stations he's calling.

Of course, if I'd had my passband set wider, I would have heard him on his first call. That's my bad, but he will have better success if he zero beats the station he's calling in the first place.

Working DX on 30m during the contest

A week and a half ago, during the CQ WW CW contest, I got on 30 meters, not wishing to throw myself into the pileups on 20 meters or 40 meters. I was pleasantly surprised to find the 7P8RU DXpedition to Lesotho. And,



since all the other CW ops were working the contest, they weren't getting many takers. I was able to work them on the third call.

After working 7P8RU, I looked around a bit and happened upon the HD8R DXpedition to the Galapagos Islands. I got them on the first call! I already had HD8 in the log, but 7P8 is a new one for me.

Repeater crawl

They guys here in Southeast Michigan do an amusing thing called the Repeater Crawl. On the first Friday of every month, a group of operators congregate on the General Motors repeater on 443.075 MHz (123Hz PL), which has the best coverage of any repeater in the Detroit area and then set out to see how many of the other repeaters the folks in the group can hit.

I happened to be in the shack with my VHF/UHF radio on when they turned their antennas towards Ann Arbor. I was hoping that they'd call for local checkins, but was disappointed when they did not.

In any event, I think that this is a great activity. If you live in an area with several repeaters, you should consider setting up a "crawl" where you live. ■

Getting hooked up to Reverse Beacon

By Dan Romanchik, KB6NU

I love the Reverse Beacon Network (RBN) and have often thought about becoming one of the spotters in order to give something back. One of the things holding me back was that I needed to install CW Skimmer. Last December, I tried to get CW Skimmer working with my Flex 6400. Unfortunately, I wasn't successful, and being both impatient and ambivalent about paying \$75 for the program, I gave up on it after a little while.

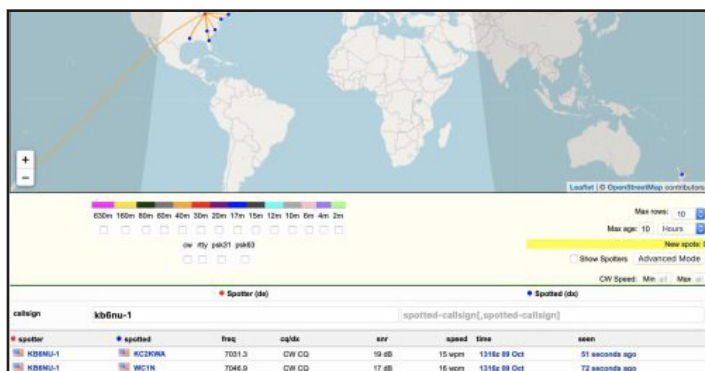
A couple of weeks ago, I decided to try it again. This time, after consulting the Flex Radio Community Forum, I was successful. The trick getting a program called Slice Master 6000, which configures and launches third party applications, such as CW Skimmer, GRITTY, WSJT-X, and fldigi, automatically. (By the way, it's called Slice Master because Flex refers to their receivers as "slices.")

With that program up and running, the next step—and it turned out to be a bigggg step—was to connect CW Skimmer to RBN. The first thing that you have to do is to find the right version of a program called Aggregator. Unfortunately, there are links on the RBN website to version 4.4, and that's the version I first downloaded and installed. So, of course, that didn't work.

The version that you want is version 6.3. Honestly, I've forgotten how I found the right version, but you can find it at <http://www.reversebeacon.net/pages/Aggregator+34>.

After installing version 6.3, I was able to get Aggregator to connect to and collect spots from CW Skimmer, but it still wasn't connecting to RBN for some reason. Googling around, I found the RBN-OPS groups.io mailing list. I asked for some help there, and after checking some of the obvious things, one of the fellows volunteered to actually log in remotely to my computer and get it all sorted out.

We spent nearly two hours debugging the problem, and honestly, I'm not sure what all he did, but it's now up and running. At this point, I'm only spotting on one band at a time, and only when I'm not operating, but at least I'm giving something back to RBN.



It's been quite interesting to watch the spots. Here's a screen shot from a couple of mornings ago:

I'm not sure the ZM1A spot is for real. I just didn't have enough time to run down there and try to work him. It is very interesting, though, to see how propagation changes throughout the day.

One thing that I found out is that many, if not most of the spotters are using Red Pitaya SDRs and not regular amateur radio transceivers. The Red Pitayas have an incredible bandwidth, and that's why you see so many of the spotters providing spots on so many bands.

When my helper found out that I was using a Flex to provide the spots, he made it sound as though my single-band or dual-band spots weren't going to be all that useful. It may not be as useful to the network as all the other spotters, but it certainly is interesting to me.

He also bristled when I suggested that the Aggregator documentation could be improved and that there might be more RBN spotters if the documentation was better. His position was that the really serious folks would persist and get it up and running. I'm not so sure about that. I think a lot of people give up when they encounter poor documentation.

Anyway, looking to the future, I think my next step is to be setting up my Flex 6400 to listen on two bands and send those spots in. After that, I may think about getting a Red Pitaya to become a more comprehensive spotter. The Red Pitayas cost \$500, though, so it's not an insignificant investment.

See **Reverse Beacon**, Page 17

You can see my spots by searching for KB6NU-I into the spotter callsign box on <http://beta.reversebeacon.net/main.php>. ■

Christmas Is A-Comin'!

By Larry Makoski, W2LJ



'Twas the night before Christmas
The shack was quiet as a mouse
Not an amplifier was fired up, or was warming the house.

The tree was lit up, all the presents were wrapped,
All the busy-ness was done, I should have taken a nap.
Rubbing my eyes, I turned towards the rig
To see if the bands might be hopping, activity big.

20 Meters was quiet, no signals to be heard
40 Meters seemed better, by the activity I was spurred.
I twiddled the dial, across the band the tuning knob purred
And to my surprise, I came upon a Morse tone that chirped
like a bird.

It was a Ham In 8 Land calling CQ, kind of weakly
His fist was not shaky, but he was only S3
So I decided to throw out my call to see if he would answer
me.

He told me his rig was homebrewed, not quite up to snuff
His first go at building, the design was still rough, but he
had turned on the power,
Hoping he'd snag a QSO if conditions weren't too tough.

We were both pumping five Watts
Sending our RF to and fro
He was thrilled his creation was working– his excitement
was beginning to show.

We had a nice rag chew, on this Noel
Finally, he sent me his fondest farewell.
In turn, I bade him a Merry Christmas, and 73
I switched off the rig, took my hand off the key.

It was not a big deal, not an extraordinary contact, it would
appear
Certainly, no great feat of DX – he was actually quite near
But it did my heart good to make another Ham happy at
this time of year.

So if you hear a signal that's not quite S9
Perhaps a bit warbly, or choppy or a fist touching a paddle
for the very first time
Work them, if you can, it won't cost a dime
To make a brother or sister Ham's Holiday sublime!

**CENTRAL MICHIGAN AMATEUR RADIO CLUB
BOARD MEETING
AUGUST 7, 2021 @ 7pm ON ZOOM**

PRESENT: Gordy Smith (KE8JKS), Dan Dembinski (KD8YDE), Gregg Mulder (W8GG),
Kelly Fitzgerald (N9PC), Don McLain (KB8RAD), Shannon Ranes (WA2NVK),
Michael Wetzel (W8QF)

ABSENT:

VISITORS: John Doornhaag (KD8NNQ), Chris Ranes (NS8Q), Tom Rocheleau (WA8WPI)

LADIES NIGHT / ZIEGENBEIN AWARD

~Kelly gave an update on Ladies Night. It is next Friday night, May 14, 2021 at

~Gordy will not be at Friday night's club meeting. We will have it on Zoom, so members can see the Ziegenbein Award presentation.

BUILDING

~Gordy called and left two messages for Kevin. Tom mentioned the Ambulance service phone number could be called. Gordy wonders if we'll ever be able to use the building due to the COVID Delta variant. Kelly said her company has given up on going back. Iceland has a 98% vaccination rate but people are still contracting COVID.

HAMFEST

~Dan D. has close to 15 tables sold. Going to bring up to general membership about individual club members having tables.

~Should we forgo the hot dog vendor since he wants \$60 just to come out? We're close to breaking even as-is. Area has lots of food options. Not sure if we will break even. Kelly mentioned Gigaparts pulled out of the Huntsville HamFest.

Motion by Gordy not to have the hot dog guy come out. Second by Gregg. All in favor of canceling.

Dan D. will call and cancel him this week.

~Gordy mentioned the hotel has drinking fountains. Kelly mentioned the drinking fountain may be covered up. We can give out bottled water to vendors.

GRANTS

~Gregg emailed the Board about a website with grants: <https://www.ampr.org/grants/>. He also emailed a "wish list" to the Board. We need to get in touch with the people who volunteered to participate in Grant writing. Discussion regarding working with LCDRA and ARPSC as well. MCOMM info, etc. Gregg heard about this from MSUARC.

Gordy said we should decide what we want to do and then write the grant. Trailer is a good idea. We could mention it to the general membership. By bringing it up, we may find someone has insider information. Since we are a 501c3, we are eligible. We may need a committee from CMARC, LCDRA, and ARPSC so we can write it well.

Gregg - talk with the LCDRA Board and get a "wish list" from them. We don't have to wait for approval of general membership. Tactful, precise, and short. Precise, not the amount of money we

want. Use approximates. The repeater would be a lot of labor. Don't cheat ourselves on money when we don't know specific amounts.

Gregg will email John Imeson, Michael Boensch, and Dan Beuchert with LCDRA thoughts, since they are on the LCDRA Board.

REPLACE DAVE VICK (W8ZZX)?

~Don asked how we were coming on replacing Dave Vick's vacated Board position. (Dave was appointed after Clyde Tompkins (K8CPT) resigned from the Board last year.) Discussion. If we post on Facebook, we have to remind them that they need to be a full member of the club. Need to post on the ListServ since that goes to members. Bylaws state need to have 7 members on Board. We need to be in agreement. Gordy suggested Michael Wetzel. He will call him tonight.

SURVEY

~Shannon mentioned a Board member needs to be on each of the committees. Some committees already have Board members on them due to volunteering on the survey.

MEETING LOCATION

~Dan D. said we're on a month by month basis with Kevin's building. Dan D. said Dan B. said nothing says have to meet in Mason. Tell members we will meet at West Lansing Church of Christ. The Board agrees we need to be in person. We'll have the cooperation of the church. We can spread tables out. May want to talk with Michael again to see if the church invitation is still there. Gordy said he only put it out there as a suggestion to use the church.

MOVING THE ANTENNAS

~Discussion. Weather is still good. We should begin looking at taking down the antennas. Put stuff in storage for a couple months? If there is no place to put it, why are we taking it down? Store items at a club member's house? We've had problems in the past with doing that, and then the member becomes disenfranchised with the club and holds things hostage. Rent a storage "locker"? 5x5 at Storage Sense on Creyts Road is \$35/month. Our 501c3 requires us to be in Ingham County.

Motion by Gordy to take the equipment down in October. Second by Dan D. All in favor. Motion passed.

Motion by Gordy to look for a storage spot for equipment. Second by Don McLain. All in favor. Motion passed.

~Gregg said if we don't have a place to put the tower and antenna in October, we can put it in his boat house temporarily. He proposed we make the plan at the October Board meeting, finalize at the October general meeting, and then plan to have 10/16 as the removal day.

Motion by Don to adjourn the meeting at 8:27pm. Second by Dan D. Approved by all.

Respectfully submitted,

Shannon Ranes
CMARC Treasurer

**CENTRAL MICHIGAN AMATEUR RADIO CLUB
MEETING AGENDA
AUGUST 13, 2021 - IN PERSON & ON ZOOM**

17 members

3 visitors

6 Zoom

We had our Ladies Night/Ziegenbein Award presentation at Valhalla Park in Holt.

Dan Dembinski (KD8YDE) was presented with the 2020 Ziegenbein Award by the Ziegenbein Award Committee. The Committee consisted of John Doornhaag (KD8NNQ), Tom Rocheleau (WA8WPI), and Shannon Ranes (WA2NVK).

Thank you to Kelly Fitzgerald (N9PC) and Russ Fitzgerald (N8FZ) for planning.

We then enjoyed dinner.

Respectfully Submitted,

Shannon Ranes (WA2NVK)
CMARC Treasurer

**CENTRAL MICHIGAN AMATEUR RADIO CLUB
BOARD OF DIRECTORS
MEETING MINUTES
SATURDAY, SEPTEMBER 4, 2021 ON ZOOM**

PRESENT: Dan Dembinski (KD8YDE), Don McLain (KB8RAD),
Gregg Mulder (W8GG), Shannon Ranes (WA2NVK),
Gordy Smith (KE8JKS), Michael Wetzel (W8QF)
ABSENT: Kelly Fitzgerald (N9PC)
VISITORS: Dan Beuchert (WX8MOJ), John Doornhaag (KD8NNQ),
Chris Ranes (NS8Q), Tom Rocheleau (WA8WPI)

Gordy opened the meeting at 7:03pm.

HAMFEST

~Gordy rec'd a call from Jessica Stewart at Okemos Conference Center. Dan D. has 3 or 4 checks and other confirmations that say will pay at the door. Has a few books written on Ham Radio. \$200 in gift certificates - \$100 DX Engineering, \$100 Alpha Antenna. Has to get in touch with ARRL. Hasn't received the package. Hasn't received anything from DX Engineering. Shannon said we received the raffle permit. Dan D left a message for the Hot Dog guy to cancel. Gordy will talk with Jessica this week. Will find out about donuts, how many and what cost? Dan D thinks about \$30. We brought water bottles.

Gordy has wristbands we can use for workers and attendees.

MEETING AT CHURCH

~General CMARC meeting at West Lansing Church of Christ (5505 West St. Joe Hwy, Lansing, 48917). Dan D has a video capture card. Gordy will see if Michael Bofysil will run his HD camera on a tripod. They'll test it about an hour ahead of time and log into Zoom. Dan B asked if we have a way to display the people who are attending the meeting? Michael W. will bring equipment he uses for presentations. Dan B. reminded us that a simple laptop with a projector works instead of high power equipment not working.

TAKING DOWN TOWER AND FINDING STORAGE FOR OUR EQUIPMENT

~Dan D. mentioned Kelly had looked at some storage places and pricing. ~Still looking at Saturday, October 16 to take the tower down. ~Prefer to take it down ourselves, if possible, due to finances.

~We could get a quote from the Antenna Men. ~Tom mentioned a brand new storage facility is going into Leslie. ~We need to figure out how much space we need. ~Take inventory of what we have when we move. Begin with the inventory created in 2018 and continue.

~Michael said we can continue meeting at West Lansing Church of Christ, even until Summer. ~Dan B reminded us our 501c3 says we will be in Ingham County. ~Shannon mentioned at the last meeting that Dan D, Brian V, Russ F, and Dennis D were the ones who had shown interest in being a part of the Relocation Committee. Gordy and Dan need to include the other three members who volunteered to be a part of the committee. ~Gregg said he has seen some buildings for sales.

FRIDAY NIGHT'S GENERAL MEETING

~LCDRA presentation at Friday night's meeting. Dan B. briefly mentioned what Jeff Goeke-Smith's presentation will be about. They want to share their needs openly so they can continue to offer the repeater service for free.

Dan D will see who the contact was that he spoke with at McLaren, the head of communications.

SERVICE HOURS

~Dan B reached out to Tom Behler (KB8PYJ), of the IRA Link Board, to see how they report their service hours net. He records all hours people are actively doing things. They report them through District 6. We are in District 1. Report through Tim Crane (WM8A) and put through ARES Connect, or something like that. ~Dan B strongly suggests recording the public service nets (ie. morning drive, slow scan tv, etc.) ~If we record, that goes a long way toward the 70% public service we say we are doing for our 501c3. ~If we enter our hours into a system, we have proof, if there is ever a question that we are “training”.

Training = Making sure radio works, communicating with people, operating as net control, responding to net control, etc.

MISC

~Don Tilitson (WB8NUS) passed away and we gave a memorial to the Red Cross.

~Bill Cote (WD8NYW) passed away this week. He was our club historian. Board in favor of giving a memorial for Bill. We still want to have a club historian. We can bring it up and ask at Friday night's meeting.

~Don M - VE testing the day after our meeting - next Saturday, September 11, 2021.

Gordy made a motion to adjourn the meeting at 8:35pm. Seconded by Don. All in favor.

Respectfully submitted,

Shannon Ranes
CMARC Treasurer

**CENTRAL MICHIGAN AMATEUR RADIO CLUB
GENERAL MEETING
SEPTEMBER 10, 2021 - IN PERSON & 15 ON ZOOM**

Gordy Smith called the meeting to order at 7:05pm and we said the Pledge of Allegiance.

~Welcome and introductions of members, visitors, and Zoom attendees. Michael Wetzel (W8QF) *interim on Board finishing out Clyde Tompkins' (K8CPT) term until December.*

~Congratulations Dan Dembinski (KD8YDE) (2020 Ziegenbein Award Winner).

~Thank you Michael Boensch and Dave Vick for HOSTING Zoom meetings the past 17 months.

~VE session tomorrow, September 11 @ 11am - West Lansing Church of Christ

Cards and Flowers Report - Shannon Ranes (WA2NVK) ~Don Tillitson (WB8NUS) (American Red Cross), Bill Cote (WD8NYW) (Mt. Hope UMC) ~Moment of Silence for our Silent Keys.

LCDRA Presentation - Jeff Goeke-Smith (KC8PUN) - Status, future, towers, insurance, finances.

~AmazonSmile update - April 1-June 30, 2021 = \$36.36 deposited in account in August.

~Reminder to pay \$30 membership dues for 2022 - See John Doornhaag.

~LCDRA - Can pay dues to Michael Boensch (W8MKB) (Membership Chair). Next meeting Thursday, October 21, 2021 at 7pm on Zoom.

~ARPSC - Next Training Net Monday, September 13, 2021 at 7pm on the 145.39. Next Zoom meeting Monday, September 20, 2021 at 7pm on Zoom.

~**Interesting DX or other Contacts** - Gregg Mulder, Michael Bofysil, Michael Wetzel, John Hosford.

~**HamFest - Dan Dembinski (KD8YDE)** - Volunteers, Vendors, Shoppers, Prizes/Raffle

~Discussed Committees signed up for on Spring survey.

~Taking Board nominations (3 Directors + 1 Under 22 Director) at October and November meetings, close nominations at November meeting, and election at December meeting. (3 remaining on Board another year: Kelly F, Shannon R, Gordy S) Must be a current **2021** CMARC member to vote.

~Plan to dismantle tower/antenna in October and pack up storage room. Look into storage locations.

~Looking for a new home for our meetings and "club room". (Relocation Committee members: Dennis Dann, Dan Dembinski, Russ Fitzgerald, Brian Vissers) Looking for ideas.

~Training Net Hours - Dan Beuchert (WX8MOJ) - To count toward our 501c3.

~Gordy would like to begin Electronics classes with Tom Rocheleau teaching Technician, General, and Extra classes prior to the Electronics classes. Have a VE session at the end of the series.

**Motion by Don McLain to close the meeting at 8:22pm. Second by John Doornhaag.
Approved by all. Motion passed.**

Respectfully submitted,
Shannon Ranes (WA2NVK)
CMARC Treasurer

**CENTRAL MICHIGAN AMATEUR RADIO CLUB
BOARD OF DIRECTORS
MEETING MINUTES
SATURDAY, OCTOBER 2, 2021 ON ZOOM**

PRESENT: Dan Dembinski (KD8YDE), Don McLain (KB8RAD),
Gregg Mulder (W8GG), Shannon Ranes (WA2NVK),
Gordy Smith (KE8JKS),
ABSENT: Kelly Fitzgerald (N9PC), Michael Wetzel (W8QF)
VISITORS: Dan Beuchert (WX8MOJ), Dawn Beuchert (KD8MWA), Abby Beuchert,
John Doornhaag (KD8NNQ), Chris Ranes (NS8Q),

Gordy opened the meeting at 7:03pm.

HAMFEST

Discussion on how we think HamFest went. About \$650 income and \$850 expenses.

~Good venue location. Some vendors and attendees skittish because of COVID. ~Advertise to commercial vendors.

~Gordy will talk with Okemos Event Center about a date for next year, around the same time and price. Tentatively Saturday, September 17, 2022. MSU has an away game.

~Talk with other Ham clubs and let them know the date we are thinking of.

~Since extra income above entrance fees comes from donated goods, might we want to advertise that we are collecting goods to be sold and money goes to the club? We may receive “junk” that needs to be thrown away. Since we are a 501c3, people can receive a receipt on donated items. Maybe have an auction during HamFest? If selling items for people, ask the person to give us a 10% donation of the sale?

~Do we need to have a gaming license for an auction?

~Have a flier with a map that shows the closest ATM and a sheet with food locations.

~Gordy will ask if we can get a 10% or 20% discount on hotel rooms.

STORAGE

Gordy called 12 places regarding storing our equipment and things that are at the building in Mason. Either expensive or not available. Suggestion of storing the tower and antennas at Dan D.’s pole barn, then leave the rest of our stuff at the current location. Gregg M. offered his boat house for storage.

TAKING DOWN TOWER

Still plan on 10/16. Check with Tom R. to see if he can still do it. John can bring his small trailer or big flatbed. Let him know. Gregg will contact the Antenna Men for a quote. People help with the tower and people inside building packing items.

CMARC GENERAL MEETING SPEAKER

The person Dan D. had talked with about DMR is not available to speak this week.

Shannon R. suggested “Traffic Handling”. During the meeting, Dan D. sent a message to Bob Berger regarding a presentation. Dan B. mentioned ARPSC would like to do a traffic handling training net, so maybe we could work together.

MEETING AT CHURCH

Gordy believes the church has taken possession of the house next door. He’ll check with Michael W. Still plan on having General CMARC meeting at West Lansing Church of Christ (5505 West St. Joe Hwy, Lansing, 48917)

Dan D. asked Dan B., as long as we hold training in Ingham County, we are ok to meet in Eaton County, correct?
Dan D spoke with Brian V, Russ F, and Dennis D about being a part of the Relocation Committee.

GRANT-WRITING

Dan D. believes it would be good for us to get going on the committee. Gregg M. did an outline for a grant and will forward it to the Board members so we are ready when we discuss this at the club meeting. Gregg mentioned AMPERNET website.

SERVICE HOURS

Dan B. is willing to keep track of public service hours for Nets, but needs to know which ones are CMARC-affiliated Net. Have things rolling by November. Dan will work with Jim Hannahs (EC). Just because a Net-Control person is a CMARC member, it doesn't mean a Net is a CMARC-affiliated Net.

MISC

~Discussion regarding saying we do training and info in Ingham, Eaton, and Clinton counties, on 501c3. We don't need to get opinions from the clubs in Eaton and Clinton.
~Shannon reminded we open Board of Directors nominations at Friday night's meeting.
~Gordy is going to do a presentation on Raspberry Pi with Ryan Rennior. Ryan, the tech part, and Gordy, the electronic part.
~Gordy wants to begin the electronic classes again.
~Shannon mentioned the SCOPE received a newsletter award.

Don M. made a motion to adjourn the meeting at 8:34pm. Seconded by Gregg M. All in favor and motion passed.

Respectfully submitted,

Shannon Ranes
CMARC Treasurer

**CENTRAL MICHIGAN AMATEUR RADIO CLUB
GENERAL MEETING
OCTOBER 8, 2021 - IN PERSON & ON ZOOM**

Gordy Smith opened the meeting at 7:05pm with the Pledge of Allegiance.

Jimmy Dunahoo is now a Silent Key.

VISITORS: Brett KE8SZS and Stephanie, Jesse KE8MOA, Doug N9WYD

BUILDING:

~Discussion regarding storage of our equipment. Where, prices, etc.

~Discussion regarding taking the tower and antennas down. The cost for the Antenna Men is \$350 to take the tower down. The price could go up to \$450 if another man is needed. Dennis Dann, Tom Rocheleau, Gregg Mulder, John Doornhaag, and Chris Ranes plan to be there. Weather permitting, we will do this on October 16, 2021 at 10am.

MISC:

~Follow-up discussion from our September 18, 2021 HamFest.

~Congratulations to Chris Ranes and The SCOPE newsletter who recently won an award.

~Dan Beuchert is recording record service hours. He gave additional information and explained why it is important we keep track of this information.

~Gordy would like to begin having classes again. Raspberry pi, electronics, soldering, etc.

West Lansing Church of Christ closed on the house across the street. They plan to refurbish it..

~We have members who have volunteered for Grant writing

~Speaker ideas: Search and Rescue. Lansing Makers Space. They could Zoom in from anywhere.

~About half of the members raised their hands when asked if they access the Facebook group.

~Interesting DX: Gregg Mulder - Slovenia. John hosford - Martinique. Michael Wetzel - DX contest last weekend - California, Chile.

2021 BOARD OF DIRECTOR NOMINATIONS: *Motion by John Doornhaag to open the nominations. Second by Dennis Dann. Approved by all. Motion passed.*

~Darlene Rennier, Dan Dembinski, Gregg Mulder, Michael Wetzel, Don McLain (Under 22)
Tabled until next month.

Motion by Dennis Dann to adjourn the meeting. Second by John Ingraham. Approved by all. Motion passed.

Meeting adjourned at 8:30pm.

Respectfully submitted,

Shannon Ranes (WA2NVK)
CMARC Treasurer

**CENTRAL MICHIGAN AMATEUR RADIO CLUB
BOARD OF DIRECTORS
MEETING MINUTES
SATURDAY, NOVEMBER 6, 2021 ON ZOOM**

PRESENT: Dan Dembinski (KD8YDE), Kelly Fitzgerald (N9PC),
Gregg Mulder (W8GG), Shannon Ranes (WA2NVK),
Gordy Smith (KE8JKS), Michael Wetzel (W8QF)
VISITORS: Dan Beuchert (WX8MOJ), Dawn Beuchert (KD8MWA), Abby Beuchert,
John Doornhaag (KD8NNQ), Chris Ranes (NS8Q)

Gordy opened the meeting at 7:07pm.

CLUB BUILDING MOVE

~Thank you to everyone who helped move the club room last Saturday from Mason to West Lansing Church of Christ's garage.

~Gordy will contact Kevin regarding the tower/antennas remaining at the building. Will work on a letter for the new owners to say we can leave them until Spring.

BUILDING COMMITTEE

~Dan D. got in touch with Brian Vissers and left a message for Russ Fitzgerald. Going to set up a Zoom meeting this week.

DON MCLAIN'S EQUIPMENT

~Gordy and Dan D. picked up the equipment from his apartment. Would like to have an auction of the equipment, and put the proceeds toward the "Don McLain Lending Library". Dan D. may take pictures of the equipment to advertise. Gregg suggested putting auction money in the General Fund with the intention of buying "Educational materials", so it is not locked in.

Gordy made a motion to put auction funds in the General Fund. Second by Gregg. Approved by all.

~Discussion continued regarding purchasing some ARRL study manuals. We will **NOT** dispose of the expired ARRL books Don had.

~Michael is willing to inventory the books and update the website with what is in the lending library information. Gordy and Dan D. will give him information.

Gordy asked about the Humphreys fund. Kelly gave the background story, and how the family told people if they want to make a donation in memory of their son, give to CMARC. It is kind of like a "rainy day fund".

BOARD OF DIRECTOR NOMINATIONS

~Nominations close at Friday night's CMARC meeting.

CLASSES

~Gordy wants to begin classes. Michael said they need to be scheduled with the church.

FRIDAY NIGHT'S MEETING

~Dan D. will bring his laptop and webcam. Kelly will bring her webcam. Gregg will bring his laptop. Gordy said he and Ryan Rennier will build a raspberry pi with a capture card. That will then be property of CMARC.

VE CLUB CONTACT

~Upon Don's passing, John listed himself as the contact for 2022. Gordy will send a message on Facebook about next Saturday's VE testing and list himself as the contact.

TRAINING NETS AND MEETINGS

Motion by Gordy to make Dan Beuchert the Public Service Hours Coordinator.

Second by Gregg. Approved by all.

~Dan B. will begin keeping track of the hours and number of attendees at nets and meetings. He will compile and record them. Will be used toward showing we are training and doing part of what our 501cs says.

GRANTS

~LCDRA is looking into a grant.

~Dan B. will send us information regarding LCDRA requesting money and CMARC being a sponsor. \$3,300 + \$1,100.

~Jeff Goeke-Smith is willing to look at Gregg's CMARC grant proposal since that is what he deals with at work.

~Dan B. will report back to LCDRA on tonight's discussion.

ARRL CLUB CONTACT

~Chris mentioned Don was our Club Contact with ARRL. Appoint someone else?

~Gregg volunteered to be the contact person for inquiries about the club. He is not on Facebook, so inquiries will be funneled to Gregg. He will use his ARRL email address.

~Gordy volunteered to be CMARC's "New Ham Contact".

CMARC GENERAL MEETING SPEAKER

~Dan D. will get back with us on a speaker.

~Shannon mentioned she had talked with someone from another club, and they had speakers on Zoom. That gives unlimited possibilities.

Dan D. made a motion to adjourn the meeting at 8:50pm. Second by Michael.

Approved by all.

Respectfully submitted,

Shannon Ranes
CMARC Treasurer

**CENTRAL MICHIGAN AMATEUR RADIO CLUB
GENERAL MEETING
NOVEMBER 12, 2021 - IN PERSON & ON ZOOM**

21 Members 11 Zoom

Gordy Smith called the meeting to order at 7:10pm and we said the Pledge of Allegiance.

~Thank you to the CMARC members who helped move the Club's equipment and belongings from the building in Mason to the garage at West Lansing Church of Christ.

~Shannon Ranes thanked the members who had helped Don McLain's family empty his apartment.

~Motion by Gordy to accept the last three Treasurer's Reports as posted online. Second by John Doornhaag. Approved by all. Motion passed.

~Interesting DX: Gene Parker, Bob Strobel, Gregg Mulder, Ben Barker.

~VE session tomorrow.

~ARPSC meeting 11/15/21 at 7pm on Zoom.

~LCDRA meeting 11/18/21 at 7pm on Zoom.

~Moment of silence for our departed silent keys.

~Motion by Gordy to pay a \$250 deposit to the Okemos Events Center to reserve the space for the 2022 HamFest. Second by Dennis Dann. Approved by all. Motion passed.

~Discussion regarding a club Zoom account. Or using Google Meet? Skype? **Motion by Dennis Dann to table the discussion. Second by John Doornhaag. Approved by all. Motion passed.**

~Continuation of CMARC Board of Directors nominations. In addition to those nominated last month (Darlene Rennier, Dan Dembinski, Gregg Mulder, Michael Wetzel), Dennis Dann nominated and Dan Beuchert nominated for Under 22. Darlene Rennier withdrew her name, as she is new to CMARC and would like to get to know the club better. We also removed Don McLain due to his passing away.

Motion by John Doornhaag to close the nominations. Second by Gene Parker. Approved by all. Motion passed.

The Election Counting Committee will consist of Gene Parker, Kenny Hazlett, and one Board member, with alternates of Tom Rocheleau or Russ Fitzgerald.

~We will have a potluck at the December meeting.

~Gordy and Ryan Rennier plan to rebuild Don McLain's desktop computer for club Zoom use.

~Dan Dembinski explained the auction of Don McLain's equipment. We then plan to set up a Lending Library of books and educational materials and any donations in Don's name go toward books.

Motion by Bill Thompson to close the meeting at 8:20pm. Second by Charlie Culton. Approved by all. Motion passed.

Presentation by Dan Dembinski of an Off-Grid Bag.

Respectfully Submitted,

Shannon Ranes (WA2NVK)
CMARC Treasurer

**CENTRAL MICHIGAN AMATEUR RADIO CLUB
BOARD OF DIRECTORS MEETING
SATURDAY, DECEMBER 4, 2021 ON ZOOM**

PRESENT: Dan Dembinski (KD8YDE), Shannon Ranes (WA2NVK), Gordy Smith (KE8JKS)
ABSENT: Kelly Fitzgerald (N9PC), Gregg Mulder (W8GG), Michael Wetzel (W8QF)
VISITORS: Dan Beuchert (WX8MOJ), Dawn Beuchert (KD8MWA), Abby Beuchert,
John Doornhaag (KD8NNQ), Tom Rochealeau (WA8WPI), Chris Ranes (NS8Q)

Gordy opened the meeting at 7:00pm.

ELECTIONS

~Election of the CMARC Board of Directors is next Friday night, December, 10, 2021.
~The Board will allow people to call in, until the call for a close to the election at the meeting (7:15pm).
Gene Parker (KE8QKN), Kenny Hazlett (K8NNY), and Shannon are on the "Counting Committee", with Tom Rocheleau and Russ Fitzgerald (N8FZ) as alternates. John will email Shannon the current members list so we know who is eligible to vote.
~Email votes must be in by midnight on Thursday, December 9, 2021 and phone in votes must be in by 7:15pm on Friday night.
~The ListServ is active again, and election information will be sent out.

HAMFEST

~Gordy will pay a \$250 deposit to Okemos Events Center to hold room for September 2022 HamFest.

MASON BUILDING

~Gordy will get in touch with the new owners of the Mason Ambulance building.

BUILDING COMMITTEE

~Update on the recent meeting with Dan Dembinski, Brian Vissers (KE8NJT), Russ Fitzgerald, Dan Beuchert, Dawn Beuchert.

MEETINGS

~Next Friday night's meeting will be on Zoom only. No in-person meeting.
~The Christmas party with auction of Don McLain's (KB8RAD) equipment may be in January, February or March.
~Bob Heil (K9EID) is February's speaker. Jeff Goeke-Smith (KC8PUN) will give a presentation about LCDRA in March.
~The Board will invite the Pastor of West Lansing Church of Christ to meetings once we are in person again.

MEMBERSHIP

~Membership forms are in the SCOPE and on the CMARC website.
~We already have members who have paid for 2022 and 2023. Ending 2021 with about ten more than 2020.

Motion by Gordy to close the meeting at 8:09pm. Second by Dan D. Approved by all. Motion passed.

Respectfully Submitted,
Shannon Ranes
CMARC Treasurer

**CENTRAL MICHIGAN AMATEUR RADIO CLUB
GENERAL MEETING
FRIDAY, DECEMBER 10, 2021 ON ZOOM**

26 attended on Zoom

Dan Dembinski (KD8YDE) opened the meeting at 7:00pm with the Pledge of Allegiance.

MISCELLANEOUS ITEMS

- ~The January CMARC meeting is up in the air, whether in person or on Zoom.
- ~We still plan to have the auction of Don McLain's equipment, but not sure when. Suggestion to have Jim Hannahs's (KC8KWH) woodworking items in the auction and proceeds go toward LCDRA.
- ~Bob Heil (K9EID) will be the February speaker.
- ~Jeff Goeke-Smith (KC8PUN) as March speaker.
- ~Contest this weekend.
- ~No Ingham County VE session tomorrow since West Lansing Church of Christ is closed. The VE session in January will be at Lansing Fire Station 44. The Eaton County VE is meeting tomorrow.
- ~ARPS meeting this Monday night.
- ~LDCRA update.
- ~The Building Committee gave an update on their progress and expectations.

BOARD OF DIRECTORS ELECTION

- ~Votes were made by email. No one called in a vote.
 - ~The Election Committee left the Zoom meeting to count votes. All signed into the same email account to count ballots and talked on a conference call.
- Election Committee: Gene Parker (KE8QKN), Tom Rochealeau (WA8WPI), and Shannon Ranes (WA2NVK).*

The Election Committee returned with the results:

- ~Gregg Mulder (W8GG)
- ~Michael Wetzel (W8QF)
- ~Dan Dembinski (KD8YDE)
- ~Dan Beuchert (WX8MOJ) (under 22)

Motion by Dan Dembinski to close the meeting at 8:41pm. Second by John Doornhaag. Approved by all. Motion passed.

Respectfully Submitted,

Shannon Ranes
CMARC Treasurer

Lansing Amateur Radio Public Service Corp (ARPSC) Meeting Minutes

Monday, September 20, 2021

- There have been three Amateur Television (ATV) Deployments in support of Lansing EM (Jeff Goeke-Smith)
 - Two were in Riverfront Park
 - One at Jackson Field
 - There are NO wired cameras at Jackson Field, so we are the best cameras Lansing EM has at the moment
 - All deployments used 3 cameras – two remote and one local at command
 - The cameras provided better picture of the events than the naked eye in low light conditions
 - Two TVs at the EOC at FS1 have failed
 - These TVs showed video feeds from ATV streams
 - These will be replaced with a single 4K monitor
 - Might end up with more 4K cameras in the future
 - Jeff noted that systems are being packed fully assembled for quicker deployment
 - Camera mounts have been moved down so two brackets could be put on pole
 - 3GHz is going away as well as those access points – need to look into 5.8GHz to replace them
- October 9th Statewide Emergency Test
 - Setup looks to be similar to the last one
 - Stations will be setup throughout the county to receive messages from other counties
 - Could try to send / originate more messages
 - Planning information will be uploaded to Basecamp
- November 19th Silver Bells
 - Currently have 9 volunteers and plan to setup three cameras
- Skywarn Updates
 - We have had a few Skywarn net activations this summer
 - Some events happened too quickly to start a net before storms were out of the county – or – we had difficulty getting a Net Control Operator (NCO) to star the net due to conflicts or timing (i.e., during workday)
 - We currently have scheduled people on call to watch the weather and decide if a net is needed, but do not have scheduled primary NCOs
 - There were volunteers for being trained for NCO and being on call NCO during the day
 - There was discussion to have a committee look at
 - Updating the SOG
 - Formalize new NCO training
- MICIMS users: Make sure that you log in for annual verification and take any practice modules that have been referenced in emails

- Basecamp Application
 - Jeff is proposing that we do more operational project management within Basecamp
 - There was feedback on getting some more training on Basecamp, how to customize notifications, and it was given
 - There are plans to create or link to some tutorial material for new users
 - There was some talk about the cost of this program
 - Jeff has been using the free program, but is willing to and has purchased use of the full version
 - Consensus was that using Basecamp did help to organize events and we will trial using it in more activations to test it out further
- LCDRA Presentation from Jeff Goeke-Smith KC8PUN
 - Jeff went through his presentation about LCDRA's current status and goals
 - Described the chance to move from current Eaton County tower at Potterville to the WKAR tower in Okemos to increase the footprint of the repeater
 - Rough Potterville math: Current 200' height leads to a 20-mile horizon
 - Rough WKAR math: roughly 600' location at WKAR tower would lead closer to a 35-mile horizon
 - Dennis ZQZ shared some thoughts and information about LCDRA and costs too
 - LCDRA used to keep 10k in the bank and have 200+ members
 - Feedline \$2/3 per foot, connectors at \$100, antennas at hundreds, duplexers are hundreds, tower climbers are a few thousand, insurance \$300/yr., new repeater \$2-3000
- Training Net on 9-13-21
 - Last net was a review of deployments, update on Skywarn procedures, etc.
 - Had 12 check ins, plus NC, plus 3 +1s and went nearly 40 minutes
 - We are always looking for new topics for training and new NCOs
 - NO net control experience is needed to volunteer, we'll train!
 - NO membership in our group is needed to check into our net!
- Website has had some updates and additional content loaded
 - Skywarn conditions have been added back
 - Visit website at: <https://www.lansingarpssc.com/>
 - Visit and like/follow our Facebook Page at: <https://www.facebook.com/LansingInghamARPSC>
- There is a new contact email that can be used to ask general questions and is listed on the ARPSC's website and Facebook page
 - info@wc8lan.net
- Next Training Net will be on October 11th at 7pm on the 145.39 LCDRA Repeater
- Next ARPSC Meeting will be on October 18th at 7pm on Zoom

Sincerely,

Dan Beuchert, WX8MOJ

Lansing Civil Defense Repeater Association (LCDRA) Quarterly Meeting Minutes

Thursday, November 18, 2021

- Don Tillitson WB8NUS and Don McLain KB8RAD were remembered. Both are now silent keys, but both had served on the LCDRA Board and given decades of service to the local amateur radio community.
- Election of Board Members:
 - John Imeson N8JI was recognized for his dedicated service over many years leading LCDRA and volunteering countless untold hours of work keeping the repeaters online and in working order! We wish him a great upcoming retirement!
 - With the passing of Don McLain KB8RAD, Dawn Beuchert KD8MWA was elected to the board as a director.
 - Daniel Beuchert WX8MOJ was elected as President, and Jim Hannahs KC8QWH was elected as a Director because of the retirement of John Imeson N8JI (effective 1-1-2022).
 - The Board of LCDRA, effective January 1, 2022, is:
 - Dan Beuchert WX8MOJ – President
 - Ron Harger WD8BCS – Vice President
 - Michael Boensch W8MKB – Treasurer
 - Troy Creed W8TCC – Secretary
 - Jeff Goeke-Smith KC8PUN – Director
 - Dawn Beuchert KD8MWA – Director
 - Jim Hannahs KC8QWH – Director
- Status Updates on LCDRA Repeaters:
 - 145.39 located on Eaton County's Pottersville tower:
 - The 145.390 repeater location challenge continues with the impending retirement of John Imeson from Eaton County. LCDRA continues to attempt to find a new long-term home for the repeater. The WKAR site, while available, continues to be a problem because of the long-term funding situation. Alternate repeater sites are being investigated that may be more compatible with LCDRA's cash flows.
 - Repeaters at McLaren Greater Lansing Medical Center:
 - McLaren has indicated that they may be repurposing the building at Greenlawn, where the 146.940, 146.700, and 224.980 repeaters are located, so at this time, there is no immediate need to move the repeaters. LCDRA is evaluating moving one or more of the repeaters to alternate sites to gain physical separation for the 2m repeaters and/or add significant coverage to the 220 repeater.
 - As always, LCDRA looks to be of service to the community. Some problem reports were collected during the meeting that implied a bigger, more broad issue. Resources were identified to investigate, and that work is ongoing. If you have problems or note issues, please feel free to contact LCDRA at contact@lcdra.net.
- Membership chair update from Michael Boensch W8MKB shows that there were 4 additional membership applications in August and 6 additional by the November meeting, so it seems that there has been some increase in membership after Jeff Goeke-Smith KC8PUN's talks at Hamfest and CMARC.

Sincerely,

Dan Beuchert , WX8MOJ

CLASSIFIEDS



Need Two Towers Removed!

Call Pam Denomme / KB8PSF
Phone: (517)416-1261

I need two towers removed from our property. One of them is a 48-foot Rohn, and the other is a crank-up tower. My neighbor is taking the crank-up. The 48-foot Rohn has an HF yagi (which might be missing an element), and a rotor. I believe the yagi covers 10-80m.

I will give the antenna, rotor, and Rohn tower to anyone who comes out to takedown both towers.

Huge Shack Cleanout Sale!!!

Call or email Gregg Mulder / WB8LZG. *Let's haggle!!*
Phone: (517)646-6257 after 1 pm. Email: wb8lzg@sbcglobal.net

Radios and Amplifiers

\$1,100

Ameritron AL-80B HF Linear Amp
CW QSK-5 built-in for full break-in. Not many hours on this amp as I am a QRP OP. Includes 1 new spare EIMAC 3-500Z tube.

\$40

Elecraft K1 HF QRP XCVR Kit
Unbuilt, new in box, 4-band, noise blanker, backlite kit, finger dimple, plus spare 2-band board, extra faceplate, and a customer "Kingswood" spinner knob.

CW Keys and Keyers

All Vibroplex keys are "Like New" in looks and operation!

\$225

Vibroplex "Vibrokeyer Gold" Key
Comes with a gold base and chrome parts, Made in 1994 with Serial No. 80280. BEAUTIFUL!!

\$200

Vibroplex "Original Presentation" Bug
Made in 1963 with Serial No. 235471. It has been under glass for 30 years.

\$20 each

MFJ "Grand Master II" Memory Keyer
Comes with power supply. Keys any rig! Includes 8 memories.

Antennas

\$100

TH3jr Tribander for 20-15-10m
Oldie but goodie! A small lightweight beam with a big signal! Comes disassembled, but all parts are there. It could use a few new trap seals (available from MFJ).

Coax and Connectors

\$50

200 FT Hughes Sat. Cable on Reel
Brand new. RG8 size, 100% shield, solid center conductor, buriable, good up to 5 GHz, very low loss.

\$30

200 FT, RG-6
Full shielded coax in reel out box.

\$25 each

150 FT, RG58
New, old stock, double shielded, solid inner conductor plenom cable.

Box of Connectors

Box is full of RF cable ends and adapters. N, BNC, PL259, TNC, more.

Accessories

\$25

Poly-Phasers with "N" Connectors
New in bag (\$69.95 new)

\$10

Step Attenuator w/ SO-239 Connectors

Books

\$5 each

ARRL Antenna Anthology, 1st Edition
by The Amateur Radio Relay League

Electronic Parts for Projects

I have a large selection of parts: speakers, coils, toroids, variable capacitors, diodes, zeners, transistors, wire, coax, stainless whips, plugs and jacks, knobs, and many other Homebrewer needs. Building or repairing something? Call Me!!

Continued on Page 17

CLASSIFIEDS



From the Estate of Dave Hayhurst / K8QH

Call or email Gregg Mulder / WB8LZG. *Let's haggle!!*

Phone: (517)646-6257 after 1 pm. Email: wb8lzg@sbcglobal.net

CW Keyer

\$20

MFJ Grandmaster Model 282B

Antennas

\$25

Cushcraft 440 UHF Vertical

Must be removed from home.

\$10

Flat 5"x5" 2m Antenna

Comes with 15' of coax

Accessories

\$20 each

Palomar Engineers Model 827

Digital SWR/PWR Meter

(2) RF Detector Pick-Ups

Covers up to 1 GHz with "N" connectors

\$20

Box of connectors

Large variety

\$10 each

Foot Switch for PTT Contesting

Comes with 8-foot cord and phono plugs

\$5 each

(2) GE Mobile Speakers

Tuned for voice.

\$5

Counter Pre-Amp

For frequency counters.

Books

\$5 each

Hints & Kinks

by The Amateur Radio Relay

League, 1992 and 1999 Editions

Lansing Civil Defense Repeater Association

Membership Form



For Year (s) _____

Please complete **ALL** sections in their **ENTIRETY** before submitting your application.

LCDRA oversees the operation and maintenance of all Lansing Area repeaters. Use of the repeaters does NOT require LCDRA or CMARC membership, but your support is welcome and appreciated.

Mail completed form to Membership Chairman (see address below) or take to a meeting for processing. Please include payment if applicable. (Checks or Money Orders should be made payable to "LCDRA").

Michael Boensch | 1897 Sunnymede Ln | Lansing, MI 48906-1356

**If you would like a membership card mailed to you,
please include an SASE with your payment. Thank you.**

Membership Type		<input type="checkbox"/> New	<input type="checkbox"/> Renewal
Full:	<input type="checkbox"/> Annual Dues: \$15.00 <i>Includes voting rights.</i>		
Family Mbrs:	<input type="checkbox"/> Annual Dues: \$7.50 ea. No. of Family Members: _____		
ARRL Affiliation	<input type="checkbox"/> I am an ARRL member Membership Card <input type="checkbox"/> Yes <i>(Please see above)</i>		

Contact Information	
First Name: _____	Last Name: _____
Call Sign: _____	License Class: _____ Phone #: _____
Address: _____	Apt/Unit: _____
City: _____	State: _____ Zip Code: _____
Birthday: _____	Anniversary: _____
Email: _____	
<small>Note: Email is used by club officers to communicate club business and may appear in the club directory for use by club members. <u>LCDRA does not share/sell contact information to other parties.</u></small>	



Central Michigan Amateur Radio Club

W8PLP/W8MAA

Membership Form

For Year (s) _____



Please complete **ALL** sections in their **ENTIRETY** before submitting your application.

Membership is for the current calendar year unless otherwise specified above.

Mail completed form to Membership Chairman (see address below) or take to Club meeting for processing. Please include payment if applicable. (Checks or Money Orders should be made payable to "CMARC").

John Doornhaag | 39121 37 1/2 Street | Paw Paw, MI 49079-8885

Membership Type	<input type="checkbox"/> New	<input type="checkbox"/> Renewal
Full: <input type="checkbox"/> Annual Dues: \$30.00 <i>Includes voting rights and an annual subscription to The Scope.</i>		
Associate: <input type="checkbox"/> Annual Dues: \$5.00 <i>Includes an annual subscription to The Scope but NO voting rights.</i>		
New Licensee: <input type="checkbox"/> Current Calendar Year Free <i>(must submit your application within first 30 days of licensure)</i>		
Under 18: <input type="checkbox"/> Annual Dues: Free		

Contact Information
First Name: _____ Last Name: _____
Call Sign: _____ License Class: _____ Phone #: _____
Address: _____ Apt/Unit: _____
City: _____ State: _____ Zip Code: _____
Birthday: _____ Anniversary: _____
Email: _____ Sign up for the List Serv: <input type="checkbox"/> Yes <input type="checkbox"/> No
<i>Note: Email is used by club officers to communicate club business and may appear in the club directory for use by club members. CMARC does not share/sell contact information to other parties.</i>

Club Communications	
Newsletter Preference <i>(select only one option)</i>	<input type="checkbox"/> I will download from the web site.
	<input type="checkbox"/> Please mail to my address <i>(Note: Direct mailing increases postage costs.)</i>
ARRL Affiliation	<input type="checkbox"/> I am an ARRL member

Central Michigan Amateur Radio
P.O. Box 54
Mason, MI 48854-0054

STAMP

To: