



THE SCOPE



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

VOLUME 21, ISSUE 4

APRIL 2021

CENTRALMIARC.COM

Thank you, Mike, K8MRD...

for enlightening us with a very informative presentation on the Parks On The Air (POTA) program, including antennas, batteries, and logging your POTA contacts. We had a great turn-out, and a few new people were inspired to get outside, explore the parks, and set

up their equipment and start operating.

If you would like to see more of Mike's videos and his adventures with POTA, please visit his YouTube channel by browsing to:

<https://www.youtube.com/c/K8MRDRADIOSTUFF/featured>.

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Jim Hannahs / KC8QWH

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CLUB PHOTOGRAPHER:

Kenneth Hazlett / N8BVV

W8PLP TRUSTEE: Chris Ranes / NS8Q

W8MAA TRUSTEE: Dan Harger / WD8BCS



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DIRECTOR: Dan Beuchert / WX8MOJ

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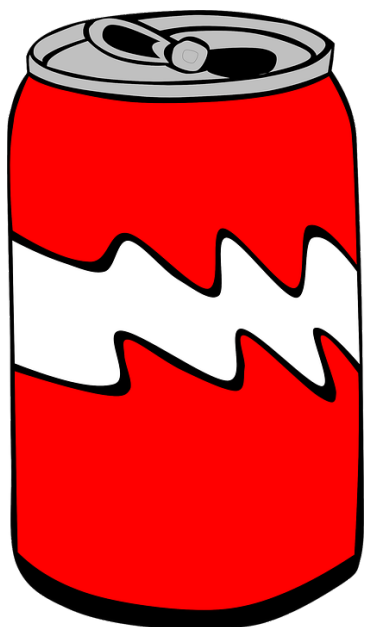
REPEATER TRUSTEE: Dennis Boone / KB8ZQZ

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 cmarscope@gmail.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.

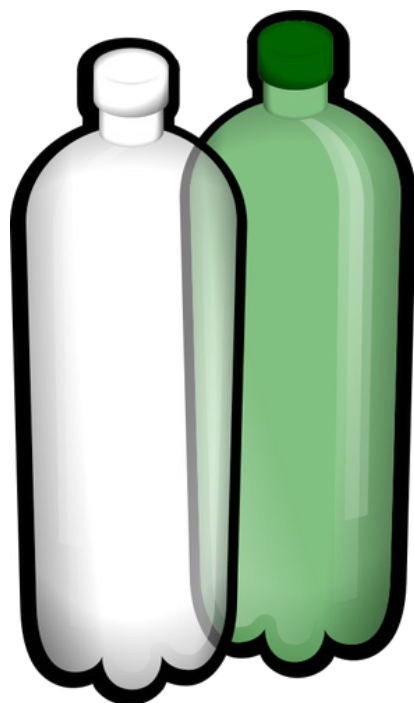
Central Michigan Amateur Radio Club's



CAN & BOTTLE DRIVE

An effort is underway to raise money for CMARC's Building Fund. The Building Fund has been designated by the Board to be used for the purpose of moving our club house / club station.

If you would like to participate, please return the bottles and cans you have been accumulating at home. Then consider mailing a check or money order to our Treasurer, made out to CMARC.



Shannon Ranes, WA2NVK
1728 Cooper Ave
Lansing, MI 48910

Treasurer's Report – March 2021

Shannon Ranes / WA2NVK – CMARC Treasurer

<u>Beginning Business Checking Account Balance</u>	\$4,583.24
Total Monthly Income	\$80.00
Total Monthly Business Expenditures	(\$0.00)
Total Business Checking	\$4,663.24
Petty Cash	\$1.00
Outstanding Checks	(\$80.00)
Sub Total + Petty Cash	\$4,584.24

Primary Shared Accounts

Humphrey's Fund	\$384.48
Club Station	\$19.09
Building Fund	\$260.05
Field Day	\$178.93
Total Net Worth	\$5,426.79
Youth Fund Balance*	\$254.87

*Separate from CMARC Funds

Notes

Checking – Deposited \$80 Dues and Donations.

Building – \$0.01 interest.

Two \$40 memorial checks have not cleared.

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=bWh4V2lVQXZLZTlMeFBmaWVGK3haZz09>

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=TlRYTkJNUUNEbnNIWFY5ZlhzVll2QT09>

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

Vibroplex Challenge

By: Gregg Mulder, WB8LZG

As many of you know, for many years I have refurbished keys and paddles as a side hobby for my enjoyment in the fine art of Morse code. Many Vibroplex's have passed through the shack restoration process and operate as new when I finish.

What most of you CMARC members may not know is, for years now I have given away Vibroplex paddles and bugs to worthy recipients. 9 of them so far in a 20 year period. "Given away, no fooling" you say. Wow! That's a bunch of Vibroplexes. "How do I get one" You ask?

"When will I be worthy"?

Well here's the scoop.

From now until Field Day 2021 you must convince me that you're a "worthy recipient". No you don't have to impress me with 20WPM speed. Just show that you are learning and using Morse code "on the air". With a little practice you can master CW in as little as 3 or 4 months. Show me that you are learning and enjoying the art of CW by Summer Field Day 2021, and a beautiful Vibroplex Vibrokeyer can be yours! **FREE.**

I CHALLENGE YOU ALL!

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.

February 13, 2021

March 13, 2021

April 10, 2021

May 8, 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

2021 Michigan QSO Party

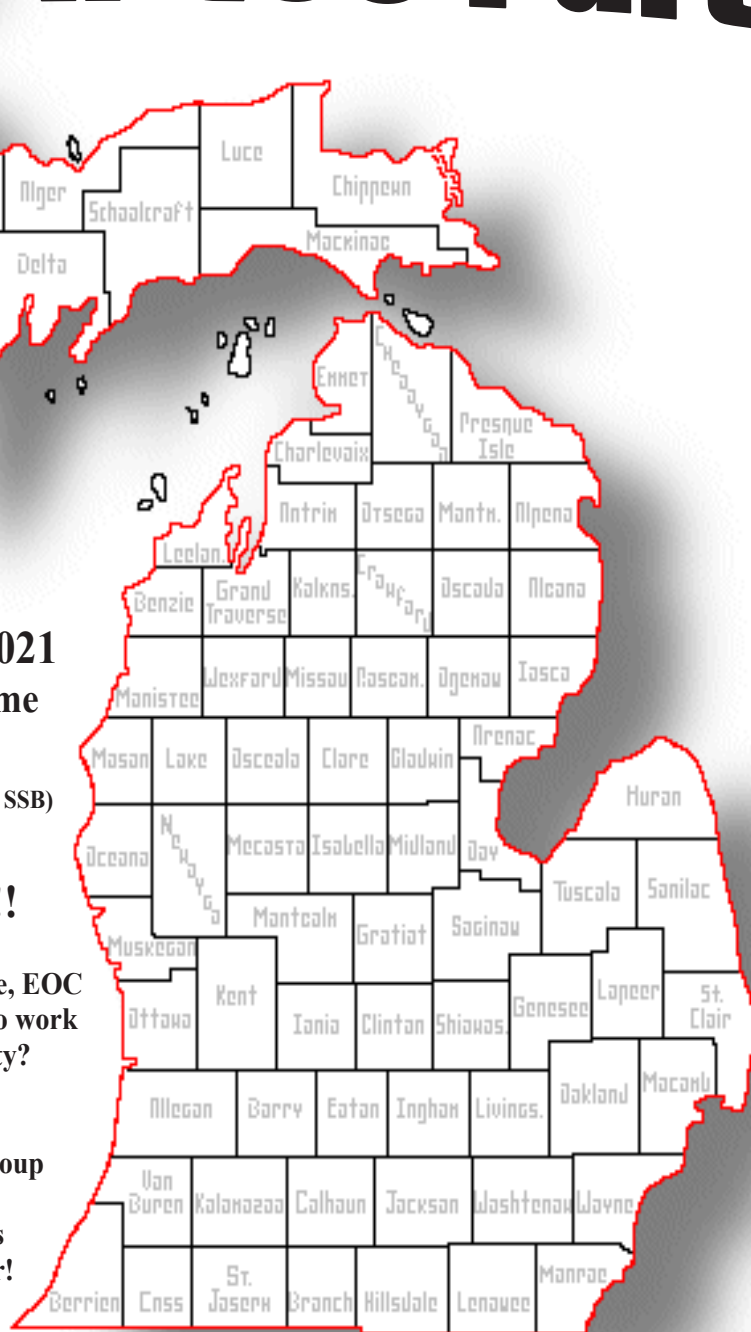
What? Michigan QSO Party

When? Saturday, April 17th, 2021
Noon to Midnight local time

Where? 10 thru 80 Meters (CW & SSB)

Why? Just Have Some Fun!!!!

- Chance to get on the air
 - Single Op, Multi Op, Mobile, EOC
 - Be the station others want to work
 - Maybe activate a rare county?
- Excellent Club Activity
 - Reason to get together as group
 - EOC station category
 - Excellent training in HF ops
 - Get new members on the air!
 - Friendly Competition



Let's all help make Michigan "radio-active" on the 17th of April!!!!

Rules & More Info: <http://www.migp.org/>

Sponsored By: The Mad River Radio Club

Portable Ops Florida - Part 5

Wrap Up

By Gregg Mulder , WB8LZG/4

With spring in full swing, the XYL and I spent a lot of time at the beach and cycling during the day. We now had several rail trails under our belts and enjoyed walking together at the local community college trails. The lake at the college had an abundance of birds and other wildlife within feet of the trail. Very exciting at times.

That only left evenings to enjoy some QRP fun. The “gray line” was still my best time for working DX, and I tried to take advantage of it. The NAQCC March sprint was fun. An hour before the sprint, I worked a station in Poland with a good report. I figured we were in for a great night of FB propagation. Not so, as conditions got noisier as the night went on. I did get 7 QSOs but was anticipating more. Sometimes you just have to grin and make the best of it. Any of you ever had the dreaded “Double QSO”? I believe John, K3WWP described it well in a recent newsletter. If you do enough sprints, you eventually will get a case of 2 sprinters, you answer one, but both hear you. Both thinking they are in QSO with you, and both sending their info! I answered one and was fortunate to get the other later. Many times it means 1 of the guys on the other end is “not in the log.” I’ve been the “victim” on the other end a few times. Frustrating. Yet it’s all part of the fun when you go hunting peanut whistles with flea power!

With barely a week left before we went back home to Michigan, I concentrated on the evening DX. I was happy to grab several more good ones. Bulgaria, St. Kitts, Poland, and Switzerland, along with several Canadians, Yucatan, and few more SKCC boys in there to round it out. All too soon, it was tear-down time. I never did get time to play with the satellites as planned. The HF operations kept me quite busy. Besides.... Gotta save a little bit of fun for next time!

I disconnected the coax from the feed point. Then untied



This one kept an eye on us, and the XYL played “Speedy Gonzales.”



A row of colorful kayaks and canoes were neatly stacked.

the twine holding my 75 foot 22ga wire aloft and slowly let it fall to the ground. Wound it up, pulled the coax in, yanked the cables from the back of the rig, packed it into the “go bag,” and called it done. It was a bit sad, but reflecting on it, I had a super fun time with 5 watts and a wire. Here are the rough statistics of the 4 months of Florida operations. I had 119 “casual” QSOs. 127 contest

See FLORIDA OPS, Page 10

QSOs. 5 POTA QSOs. 47 SKCC QSOs. 43 NAQCC QSOs. 30 States and 16 DX countries made it into the log. With loads of QRP pride as I entered the info into each column. Seemed I always had some QSO action in the SKCC/ QRP frequencies. That kept disappointments to a minimum. I also had many QRP to QRP contacts. These are always satisfying. Yes, there were many QSO's I lost that I could have had if I only ran 40 or 50 watts, but then I wouldn't know the joy of "hopping the pond" on 40 meters with just a wire in the tree at 5 watts on a gel-cell charged by solar power.

We packed it all in the car and headed for home the next day. Thought my DXing was over for the trip. Not so! I was pleasantly rejuvenated during the late-night driving by listening to AM broadcast band DX! Many of you "old-timers" will remember AM DXing as a kid. Staying up late at night to catch all those big city clear channel stations all across the country. Through Ga, Tenn, and Ky, I was kept busy all evening long, DXing up n down the AM dial. Some loud n clear. Some with the fade n flutter, then gone. There went WLW-Cincinnati, and KDKA- Pittsburgh. Now Gone! Wicked QSB! WLS-Chicago, WJR-Detroit, WOWO-Ft Wayne, WBZ-Boston, and many more. (remember?)

About the time we hit Atlanta, I ran across the late-night "Bluegrass" show on Opryland's WSM in Nashville. That was just what I needed. All that banjo pickin' n grinin'

had the old feet a stompin' and kept me wide awake all night long. Sure made quick work of the drive and jogged my memory on many of those old AM callsigns too. We arrived home safe the next morning.

Sure hoped you enjoyed the yarn. I'll leave you with some pictures of the beautiful flowers that were blooming while we were in Florida. Next up? Looks like the Dakotas! Maybe the Sierra Nevada's later in the year. Still been wanting to go to the Keweenaw peninsula to play satellites from that rare grid square. I'll just have to wait to see what DX adventures unfold in 2021. You can be sure that wherever we go, the rig will be along for the ride. ■

73. Gregg WB8LZG



Orange Stars



Yellow Teardrops



Red Raindrops

Operating Notes:

Basic Operating Procedures,

Maritime Radio Day

By Dan Romanchik , KB6NU

I hate to sound like a curmudgeon, but I would like to again encourage all you new operators out there to learn basic standard operating procedures. They became standard operating procedures for a reason. They really do make contacts easier.

I bring this up now because more and more I'm running across operators who don't seem to know them or just ignore them. About a week ago, I worked a relative newcomer to amateur radio. He replied to my CQ by just sending his callsign one time. This was wrong on two counts:

Since he didn't send my call sign, I didn't know if he was replying to me or not.

Since he only sent my call sign once, I didn't get it all. There was a burst of noise as he was sending his call, and I missed one of the letters in his suffix.

In this case, the standard operating procedure is to send the other station's call three times, then "DE," then your call three times. So, if your call is W1ABC and you're replying to my CQ, send, "KB6NU KB6NU KB6NU DE W1ABC W1ABC W1ABC." ■

MARITIME RADIO DAY

Last night, I had one of those great, unexpected experiences that sometime happens in amateur radio. At about 11:00 pm (0300Z), I was thinking about hitting the sack, but wasn't quite tired enough yet. So, I decided to head down to the shack and see what was happening on 40 meters.

The band was fairly busy with stations working the [CWops CWT](#), but I noticed a station on 7022 kHz calling "CQ MRD." It wasn't real strong, but workable, and when I heard the call sign—K6KPH—I decided that I had to work them. As it turns out, MRD stands for "Maritime Radio Day," and it is held annually on April 14, the day that the Titanic sank in 1912.

For those of you that don't know, K6KPH is the station of the [Maritime Radio Historical Society](#). The station is located on the site of the the historic ex-RCA coast station KPH, which is now part of the Point Reyes National Seashore, part of the National Park Service. [Here's a cool video of the station.](#)

After working K6KPH, I heard II3IQW calling CQ MRD on 7020 kHz. I was actually copying II3IQW better than I was copying K6KPH, so working them was easier. Ennio, the operator of II3IQX, was commemorating IQX, the coastal radio station at Trieste, Italy. There's a short, but interesting history of this station on the [II3IQX QRZ page](#). ■

Dan Romanchik, KB6NU, is the author of the KB6NU amateur radio blog (KB6NU.Com), the "No Nonsense" amateur radio license study guides (KB6NU.Com/study-guides/), and often appears on the ICQPodcast (icqpodcast.com). When he's not testing new keys, he teaches online ham radio classes and likes to work special event stations and state QSO parties

Help update the Tech question pool, but don't get your hopes up

By Dan Romanchik , KB6NU

The [ARRL reports](#) that the NCVEC Question Pool Committee (QPC) is seeking input on the Technician Class question pool, which is due to be updated next year. This may include suggestions for new questions, changes to current examination topic areas, or changes to existing questions in the current Technician Question Pool. The QPC is seeking input that focuses on topics that enhance public interest, understanding, and use of amateur radio, or focus on STEM hands-on learning and education, as well as questions on new technology, digital modes, station setup and operation, antennas, and emergency and non-emergency operation.

To submit suggested questions for QPC review, the committee asks that questions have no more than two 70-character lines, including spaces. Distractors should be no more than 70-character lines long, and shorter if possible. Each multiple-choice question must be accompanied by four possible distractors and only one correct answer.

The answer choices may be in any order, but the correct answer must be indicated by the letters A, B, C, or D at the beginning of the question. Those submitting suggestions should provide the resource information that supports the correct answer or the FCC Part 97 rule.

The QPC will accept question comments, revisions, and submissions from the amateur radio community via email through June 30, 2021. Being the snobs that they are, and given the lack of transparency in the question pool process in general, don't expect your suggestions to be acknowledged by the committee.

Dan Romanchik, KB6NU, is the author of the KB6NU amateur radio blog (KB6NU.Com), the "No Nonsense" amateur radio license study guides (KB6NU.Com/study-guides/), and often appears on the ICQPodcast (icqpodcast.com). When he's not testing new keys, he teaches online ham radio classes and likes to work special event stations and state QSO parties.

MicroHAMS Digital Conference 2021, Saturday, April 24, to be streamed to the web

By Dan Romanchik , KB6NU

The MicroHAMS Digital conference 2021 taking place Saturday, April 24. This year's MHDC will be presented again as a virtual and streamed only event. There will be NO REGISTRATION necessary ahead of the event, but they will welcome your donations to offset the cost of streaming.

The list of topics and speakers is being finalized. Please check the site for updates.

MicroHAMS Digital Conference 2021

<https://www.microhams.com/mhdc/>

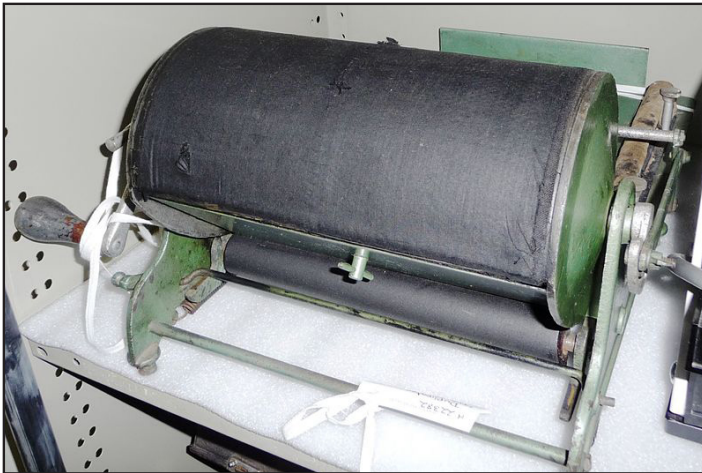
MicroHAMS YouTube channel

<https://www.youtube.com/channel/UCcuTgZcwgZDiGAMImUJKfJA/videos>

Ham Hijinks

Ham Radio News of the Funny Variety

NRRL Launches New Program To Convince Libraries to Purchase Mimeograph Machines



NEWINGSTEAD, VT – The National Radio Retransmission Legion (NRRL) is launching a new program designed to encourage young people to enter the ham radio hobby.

“We’ve got to capture the imaginations of these young people – who have grown up with technology like smartphones and tablets – and get ’em hooked on ham radio,” says NRRL interim CEO Larry Kelley.*

Thanks to a large donation from the Edison Electric Lamp and Amberola Company, the NRRL will begin selling mimeograph machines to colleges, libraries, private schools and literally any other organization that wants to purchase one.

At a lunch hour press event with finger sandwiches and melon slices, NRRL President Bill Gilligan emphasized, “Our hope is that organizations purchasing

these mimeographs will make copies of amateur radio periodicals – observing applicable copyrights, of course – and make them available to interested young folk. Perhaps they’ll read them at the drive-in or sock-hop.”

Reporters at the event remarked that organizations would need to make time-consuming mimeograph stencils of all documents prior to printing and copying. NRRL leadership encouraged each other to Google this for discussion at future Board of Directors meeting.

Dubbed “Campaign 2020 – Plant Yesterday’s Technology For the Future Today, the machines will be available through NRRL at a cost of \$475 each. Interested parties may act now and get 10 gallons of lovely smelling mimeograph ink for 50% off.

“Crank phonographs for Morse practice and NRRL branded telegraph card stock are also available!” exclaimed Gilligan.**

Hotlines are open to take your phone call and explain what a mimeograph machine is.

*Editorial Note: Kelley recently took over for the former CEO, Bob Michaels, who simply disappeared one day.

**Editorial Note: Despite two years of restructure, turnover and general confusion at the NRRL, Gilligan remains president of the organization, though even the Board of Directors was unaware that he was still on the payroll. ■

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Photo courtesy Queensland Museum – Own work, CC BY 3.0,
<https://commons.wikimedia.org/w/index.php?curid=15367715>

CENTRAL MICHIGAN AMATEUR RADIO CLUB BOARD OF DIRECTORS MEETING MINUTES

Saturday, March 6, 2021

Attendance

Board Members Present: G. Smith (KE8JKS), D. Dembinski (KD8YDE), S. Ranes (WA2NVK), D. Vick (W8ZZX), D. McLain (KB8RAD), G. Mulder (WB8LZG), K. Fitzgerald (N9PC)

Board Members Absent: None

Visitors: C. Ranes (NS8Q), J. Doornhaag (KD8NNQ), Brian Vissers (KE8NJS), Dan Beuchert (WX8MOJ), Dawn Beuchert (KD8MWA), Abby Beuchert

Call to Order

- The meeting was called to order by President Smith (KE8JKS) at 7:08pm.

Club Business

- **Building Committee:** Vice-President Dembinski (KD8YDE) reported on the findings of the Building Committee, with respect to possibly using a church or other public facility for meetings and storing club equipment in a trailer of some sort. The Committee also discussed our present situation with our landlord, and the ability of him to use the club's tax-exempt status as a potential write-off. The committee seeks guidance whether the Board wishes them to continue their evaluation, or has the committee fulfilled its purpose. Brian Vissers (KE8NJS) also spoke to the issue of grant-writing. Further discussion ensued with respect to the trailer, and it's potential public-relations value. Dan Beuchert (WX8MOJ) also spoke to whether the Committee had fulfilled it's purpose, and also spoke to transitioning the Building Committee or Steering Committee to other committees or subcommittees; he recommended a Trailer or Mobile Ops Committee, a Grant-Writing Committee, a Relocation Committee, a Finance Committee, and an Elmer Committee. Further Discussion ensued. Secretary Vick (W8ZZX) asked if the Grant Committee could be a subcommittee of the Finance Committee, in order to reduce redundancy and streamline the Committee's efforts.
- **Membership Dues:** Discussion ensued with respect to a dues increase. It was Moved by Secretary Vick (W8ZZX), supported by VP Dembinski (KE8JKS) to increase the Membership Dues to \$30 effective January 1, 2022. The motion carried. Dan Beuchert (WX8MOJ) spoke to more effective financing via grants and other assessments. Gregg Mulder (WB8LZG) pointed out that dues are meant to finance the day-to-day operations of the Club, and not to pay for special activities. John Doornhaag (KD8NNQ) pointed out that other clubs assess higher dues than us. Gregg Mulder (WB8LZG) pointed out that clubs can also solicit donations for needed gear. Kelly Fitzgerald (N9PC) stated we can set up an Amazon Wish List, as well. Further discussion ensued.
- **2021 Hamfest:** President Smith stated that the Conference Center still holds our deposit money from 2020 and we still have our date reserved in September. He put the question: Shall we still attempt to hold Hamfest this year? It was the general opinion of the Board to go ahead with Hamfest, until we are told that we cannot. Further discussion ensued. It was moved by Vice-President Dembinski (KD8YDE), supported by Director McLain (KB8RAD) to proceed

forthwith with planning for 2021 Hamfest and solicit volunteers for various tasks from the general membership at the next General Membership Meeting, The motion carried.

- **Ziegenbein Award:** John Doornhaag (KD8NNQ) stated that we need to solicit nominations for the 2020 Ziegenbein Award. We currently have only one nomination for this year's award, and nominations close Monday, March 15th. Various means of promoting the award were discussed.
- **Ladies Night:** Director Kelly Fitzgerald (N9PC) shared the idea of getting a food truck for the event this year. She will research the idea further. Chris Ranes (NS8Q) shared a food truck website for her to check out. Further discussion ensued regarding the date for the event.
- **SCOPE:** Treasurer Shannon Ranes (WA2NVK) asked President Smith (KE8JKS) to write up an article for the SCOPE about the Technical Net on VHF. Outline discussion ensued. He will put something together for the next issue.
- **Field Day 2021:** Dan Beuchert (WX8MOJ) spoke about the possibilities for this coming summer's Field Day exercises. We currently do not know whether the City of Mason will open Rayner Park for us to operate as in the past, and whether it would even be safe for us to congregate to do so. Discussion ensued regarding how the ARRL and county Health Department & Municipal Authorities implement safe practices for group activities. Further discussion ensued, including possibly having Field Day exercises at Vice-President Dembinski's property (although that would take us out of Ingham County), or operating independently as we did in 2020. Dan will follow up with the various volunteers and Station Chairs. There was also discussion regarding giving our supply donors from years past some advertising, although it looks likely that soliciting any donations for 2021 will be tough, in the present financial climate.
- **Club Building:** Treasurer Ranes (WA2NVK) asked if there was any new info regarding the sale of the club building. President Smith (KE8JKS) noted that Kevin is selling because the State of Michigan has changed their ambulance training criteria, making it impossible for him to use the building as a training facility any more. He spoke about the recent broken water main in the building, and that we sustained very little damage to club property and no damage to the club radio station.
- **Financial Matters:** Treasurer Ranes (WA2NVK) shared that she has set up a club PayPal account and an Amazon Smile account. Chris Ranes (NS8Q) will fill the club in on how to access the accounts for Amazon purchases, and using PayPal to pay yearly Membership Dues. She explained the PayPal fees, which Chris will also explain in his communication. President Smith (KE8JKS) thanked Brian Vissers (KE8NJS) and Scott VanWalsum (K8MTB) for their returnable can donations for the Building Fund. The net donation was \$62.40.

Adjournment

- With no further business to discuss, it was Moved by Vice-President Dembinski (KD8YDE), seconded by Director McLain (KB8RAD) to adjourn the March Board Meeting at 8:42pm.

Respectfully submitted,
Dave Vick, W8ZZX
CMARC Secretary

CENTRAL MICHIGAN AMATEUR RADIO CLUB GENERAL MEETING MINUTES

Friday, March 12, 2021

Attendance

Board Members Present: G. Smith (KE8JKS), D. Dembinski (KD8YDE), S. Ranes (WA2NVK), D. Vick (W8ZZX), D. McLain (KB8RAD), G. Mulder (WB8LZG), K. Fitzgerald (N9PC)

Board Members Absent: None

General Members: KD8NNQ, W8TCC, W8MKB, K8TS, KD8VJD, W8QF, WD8OVL, KCØMYP, KE8FXG, KE8NJT, WX8MOJ, KD8MWA, NS8Q, KD8ZZJ, KE8MOA, KE8MIZ, KE8PAH, N8FZ, KD9PWC, KC8QZB, KB8DQQ, KE8QKN, WA8WPI, WD8PVS, N8UMK, Bill Hall

Visitors: Mike Dahlhofer (K8MRD), Tim Conroy (WB8HRO), Abby Beuchert, Nikolaj (no last name given)

Call to Order

- The meeting began at 7:01pm
- President Gordy Smith (KE8JKS) led the club in the Pledge of Allegiance.

Sign-In Sheets

- Secretary Dave Vick (W8ZZX) took attendance from the Zoom register.

General Announcements

- President Smith (KE8JKS) reported that the Club is going ahead with Hamfest 2021 in September, at the Okemos Conference Center. The venue is open, and we have our reserved date. The Center is currently under reduced-capacity rules, however all parties feel that by September the state of affairs will probably have changed and the occupancy rules will have opened up more, so we are going ahead with planning until told otherwise by the Authorities.
- President Smith stated that we are still collecting donated cans and bottles & receipts for the Building Fund.
- There will be a VE testing session on Saturday, March 13 at 11:00am at the West Lansing Church of Christ, 5505 W. St. Joe Hwy.
- John Doornhaag (KD8NNQ) reminded all present that nominations for the 2020 Ziegenbein Award are due and must be received by John and the Committee by Monday, March 15th.
- Dan Beuchert (WX8MOJ) announced that the next ARPSC meeting will be Monday, March 15th at 7pm on Zoom. Topic of discussion will be Skywarn, and will be recorded for people who cannot make it.

- Vice-President Dan Dembinski (KD8YDE) announced that he was looking for volunteers to help get vendors signed up for Hamfest.

New Members & Visitors

- We met Mike Smock (KD9PWC), a new member, and Nikolaj, a guest of the club who is interested in earning his Tech license.

Cards & Flowers Report

- Treasurer Shannon Ranes (WA2KVK) reported that the Club sent a card to Dale Cole (K8TS)'s wife, who was in the hospital recently.

Treasurer's Report

- It was moved by Secretary Vick (W8ZZX), supported by John Doornhaag (KD8NNQ) to accept the Treasurer's Report, as published in the SCOPE newsletter and on the CMARC website. The motion carried.

Secretary's Report

- It was moved by Secretary Vick (W8ZZX), supported by Vice-President Dembinski (KD8YDE) to accept the Minutes of all February meetings, as published in the SCOPE newsletter and on the CMARC website. The motion carried.

Interesting QSOs, QSLs, DX, & Other Contacts

- Secretary Vick (W8ZZX) showed a QSL card he had received from a Winter Field Day contact in Puerto Rico.
- Mike Wetzel (W8QF) had contacts in Spain, Italy, the Azores, the Dominican Republic, the Cayman Islands, and Brazil during the recent ARRL International DX Contest.
- Gregg Mulder (WB8LZG) scored a contact in Switzerland on 40m with 5 watts and a 75' sloper antenna.

Deferred Business

- Dan Beuchert (WX8MOJ) is emailing out the graphics and info from, the recent Building Committee Report. Members who read the email listserv should have the report elements in their In-Boxes at this time.

New Business

- Ladies Night: Russ Fitzgerald (N8FZ) reported that Kelly Fitzgerald (N9PC) had been talking to various food trucks to see what they have to offer, and we are still planning on holding the event at Dembinski's property, date TBD.
- (Treasurer Shannon Ranes (WA2NVK) shared that the Club now has a PayPal account and an Amazon Smile account for fundraising and electronic payments. Chris Ranes (NS8Q) will be publishing a guide to setting up and using these accounts.
- President Smith (KE8JKS) and Treasurer Ranes (WA2NVK) spoke of the club setting up an Amazon Wish List of items that could be donated to CMARC. The Board will be discussing the contents of the List further in the future.

- President Smith (KE8JKS) stated that the Board was creating some new committees, based on the results of the recent Steering Committee survey. We are forming a Trailer/Mobile Ops Committee, a Financial Committee, an Elmer Committee, a Relocation Committee, and a Grant Committee. We are seeking volunteers to serve on these committees. We will post a form on our social media & listserv to see who might be interested after thinking about it.
- Dan Beuchert (WX8MOJ) spoke about preparations for Field Day 2021. We are trying to get out in Rayner Park if possible, even if it's limited. If the Covid situation gets bad again, we can always work separate and combine our individual scores for a Club Aggregate, like we did in 2020. Brian Vissers (KE8NJT) commented about going to businesses that previously gave us donated food & supplies, and help them out by advertising that they are "previous sponsors" from years past without soliciting anything for this year.

For the Good of the Order

- Treasurer Ranes (WA2NVK) reminded those in attendance that the Club still has several cookbooks available for purchase, at \$5 apiece.

Adjournment

- With no further business to discuss, it was Moved by Secretary Vick (W8ZZX), seconded by John Doornhaag (KD8NNQ) to adjourn the business meeting at 7:30pm and move to the Presentation for the evening.

Tonight's Presentation

- The Club welcomed Mike Dahlhofer (K8MRD) from southeast Michigan transplanted to Texas, who gave a presentation on working Parks On The Air (POTA).

Respectfully submitted,
Dave Vick, W8ZZX
CMARC Secretary

CLASSIFIEDS

Ed Hude / WA8QJE
Cell: (517) 420-7550
ebhude@yahoo.com

\$125

Alinco DJ-V27T

222 Mhz handheld radio, unused like new in the box with battery, ac wall charger, belt clip and hand strap along with antenna in factory box. Manual is a reproduction.

Purchased new from HRO and never used.



Jimmy Dunahoo / KD8IWQ
517-743-1604

\$125

MFJ-989C Versa Tuner V (3KW)

Covers 1.8-30MHz, including MARC and WARC Bands. Built-in 300w dummy load. Comes with manual.

\$25

Workman SX-144/430 SWR-Wattmeter

Covers 2m/440 (120-500 MHz). Dial has a cross-needle display. Meter has three ranges (10W, 100W, and 500W).

Shannon Ranes / WA2NVK
Cell: (517) 896-5368
wa2nvk@gmail.com

Need an item? Make an offer!
A few name-brand laser printers, USB keyboards, and mice

Equipment is leftover after going through a company downsizing.
 The laser printers are 5-10 years old and some of them come with toner cartridges.
 The USB keyboards and mice are mostly Dell brand and are very comfortable and easy to use.

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

\$1,200

Ameritron AL-80B HF Linear Amp

CW QSK-5 built-in for full break-in. Includes three new spare 3-500Z tubes.

\$600

Yaesu FT-990 HF XCVR

Has built-in power supply, tuner, all the filters, mic, and comp infc.

\$400

Elecraft K1 HF QRP XCVR Kit

Unbuilt, new in box, 4-band with backlight, extra.

\$85

Icom IC-T7H Dual-Band HT

Comes with 12v cord, charger cord, manual, external speaker/mic. Very nice rig!

CW Keys and Keyers

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

\$250

Vibroplex "Vibrokeyer Gold" Key

Comes with a gold base and chrome parts, Made in 1994 with Serial No. 80280. BEAUTIFUL!!

\$225

Vibroplex "Original Presentation" Bug

Made in 1963 with Serial No. 235471. It has been under glass for 30 years.

\$150 each

Vibroplex "Lightning Bug" Standard

Made in 1950 with Serial No. 166225. Has a red base and was refurbished to original luster.

Vibroplex "Vibrokeyer Deluxe" Key

Made in 1972 with Serial No. 268526.

It has a chrome base and operates very smooth & pretty too!

Vibroplex "Lightning Bug" Standard

Made in 1950 with Serial No. 166225. Has a red base and was refurbished to original luster.

\$20 each

Little Bugger Keyer

Reed relays & keys any rig. Very tiny. Runs on 9V.

MFJ "Grand Master II" Memory Keyer

Comes with power supply. Keys any rig! Includes 8 memories.

"Tick 4" Keyer

Self-contained with 9V battery. Has 2 memories.

Power Supplies

\$100

Astron Transformer Power Supply

Supplies 12V at 35-Amps. Comes with meter.

\$75

Astron Transformer Power Supply

Supplies 12V at 20-Amps. Comes with meter. Nice supply for your shack!

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).

\$50 each

Hygain "Butterfly Beam" for 20-10m

Needs some TLC, cleaning, and a couple new stainless wire spans which are included. It comes disassembled and wrapped up.

Hygain 15m 3-Element Mono-Bander

Handles full legal power

Accessories

\$150

Yaesu SP-6 Speaker

Includes built-in Timewave DSP 59Y Digital Noise Reduction. FB Condition!

\$30

Kodak Z740 5MP Digital Camera

Includes 10x zoom and 2 extra SD cards, case, and tripod.

\$5 each

New Old Stock Ten-Tec

TG24 Enclosures

Nice box for projects!

Continued on Page 20

CLASSIFIEDS

Huge Shack Cleanout Sale!!!

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



Accessories

\$10

Weller Soldering "Gun"

Books

\$5 each

Beam Antenna Handbook

by Bill Orr

VHF Handbook

by Bill Orr

RSGB VHF-UHF Manual

by The Radio Society of Great Britain

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!!**



From the Estate of Dave Hayhurst, K8QH

All prices are negotiable.

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

Radios and Scanners

\$900

Ten Tec Orion II HF XCVR

Complete matching set includes rig, power supply, matching speaker, remote, Mic, and computer interface. This is Ten Tec's top-of-the-line HF transceiver, plus ALL of the accessories too. It's a top notch radio for contesting!

\$25

Realistic Programmable Scanner

\$20

RTL-SDR / Dongle

Includes antenna. Uses the Airspy software.

CW Keyers

\$20

MFJ Grandmaster Keyer

Model 282B

Books and Manuals

\$5 each

Hints & Kinks (1992 and 1999 Editions)

by the ARRL

73 Dipole & Longwire Antennas

by Ed Noll

Miscellaneous

\$50

MF Wattmeter

Model 868. It has a large-faced analog meter.

\$40

Remote Antenna Switch

\$25

Cushcraft 440 UHF Vertical Antenna

Needs to be removed from the house.

\$20

400 Watt Power Inverter with Cables

Are you looking for a piece of equipment, an accessory, or an antenna? Do you need to clean out your shack and need a place to sell your items? If so, please contact Chris, NS8Q, at cmarscope@gmail.com

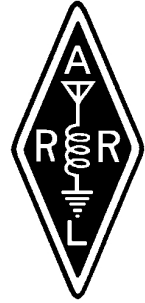


Central Michigan Amateur Radio Club

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 | 1165 South Ainger Rd | Charlotte, MI 48813-9540

Membership Type		<input type="checkbox"/> New	<input type="checkbox"/> Renewal
Full:	<input type="checkbox"/> Annual Dues: \$20.00 <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

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
P.O. Box 54
Mason, MI 48854-0054

STAMP

To: