



# THE SCOPE



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

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CENTRALMIARC.COM

## More QRP Adventures from the Florida Keys

By Gregg Mulder, WB8LZG

I spent a lot of time as a kid in the Florida Keys. The XYL and I actually met there over 40 years ago, and it's still a favorite vacation destination for us today. My parents have a home on Geiger Key, perfect for the ham, right on the ocean. We had the opportunity to get out of the cold for a bit, so we packed up the suitcases and set out to enjoy some fun in the sun.

Naturally the Ham gear went along too. Over the years, I have put together a small ditty bag that has all the necessities for getting on the air. This includes a Yaesu FT-817 xcvr, key, Elecraft T1 QRP tuner, coax, cables, and a spare gel-cell battery. Also included in the bag are several nuts and bolts, screws of various sizes, spare fuses, some nylon twine, paper and pencil, coax jumpers, and a few BNC to PL259



RELAXING WITH A CUP OF JAVA.

coax adapters. I like to be prepared, and you just never know what may be encountered on a "holiday style" portable operation. I tried to

miniaturize everything I could for space and weight savings. The one exception was my key. I had tried a few portable and small QRP style

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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](mailto: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.

## Treasurer's Reports 2019

Daniel Beuchert / WX8MOJ- CMARC Treasurer

Bank Balances for July	
<b>Beginning Balance</b>	<b>\$2,357.52</b>
Total Monthly Income	\$60.00
Total Monthly Expenditures	(\$67.87)
Total Business Checking	\$2,349.65
Petty Cash	\$1.00
Outstanding Checks	(\$0.00)
Sub Total + Petty Cash	<b>\$2,350.65</b>
Primary Share Accounts	
Humphrey's Fund	\$383.98
Building Fund (Club Station)	\$19.09
Field Day	\$178.67
Total Net Worth	<b>\$2,932.39</b>
Youth Fund Balance*	\$254.56
* Separate from CMARC Funds	

We reimbursed \$34 in SCOPE postage and purchased Hamfest wrist bands for \$33.87. We took in \$60 in dues.

Bank Balances for August	
<b>Beginning Balance</b>	<b>\$2,349.65</b>
Total Monthly Income	\$70.00
Total Monthly Expenditures	(\$222.00)
Total Business Checking	\$2,197.65
Petty Cash	\$1.00
Outstanding Checks	(\$0.00)
Sub Total + Petty Cash	<b>\$2,198.65</b>
Primary Share Accounts	
Humphrey's Fund	\$384.01
Building Fund (Club Station)	\$19.09
Field Day	\$178.69
Total Net Worth	<b>\$2,780.44</b>
Youth Fund Balance*	\$254.58
* Separate from CMARC Funds	

We spent \$50 on the State of Michigan Raffle License Fee and purchased a \$172 grand prize for the Hamfest Raffle. We took in \$20 in dues and \$50 in Hamfest reservations.

# Treasurer's Reports 2019

Daniel Beuchert / WX8MOJ- CMARC Treasurer

Bank Balances for September	
<b>Beginning Balance</b>	<b>\$2,197.65</b>
Total Monthly Income	\$2,087.00
Total Monthly Expenditures	(\$579.98)
Total Business Checking	\$3,704.67
Petty Cash	\$1.00
Outstanding Checks	(\$0.00)
Sub Total + Petty Cash	<b>\$3,705.67</b>
Primary Share Accounts	
Humphrey's Fund	\$384.04
Building Fund (Club Station)	\$19.09
Field Day	\$178.70
Total Net Worth	<b>\$4,287.50</b>
Youth Fund Balance*	\$254.60
* Separate from CMARC Funds	

We took out \$550 in seed money for the hamfest, bought \$9.98 in bottled water, and filed our non profit status with the state for \$20. We deposited \$855 from raffle sales (entrance tickets) to the Hamfest, \$1212 including seed money, table sales, and CMARC equipment sales, and we also took in \$20 in dues.

Bank Balances for October	
<b>Beginning Balance</b>	<b>\$3,704.67</b>
Total Monthly Income	\$0.00
Total Monthly Expenditures	(\$1,019.83)
Total Business Checking	\$2,684.84
Petty Cash	\$1.00
Outstanding Checks	(\$0.00)
Sub Total + Petty Cash	<b>\$2,685.84</b>
Primary Share Accounts	
Humphrey's Fund	\$384.07
Building Fund (Club Station)	\$19.09
Field Day	\$178.72
Total Net Worth	<b>\$3,267.72</b>
Youth Fund Balance*	\$254.62
* Separate from CMARC Funds	

We made a \$275 reservation of OCC for the hamfest, had a \$10 filing correction, spent \$134.88 on memorial and flower donations, and spent \$599.95 on a new rotor this month.

## Treasurer's Reports 2019

Daniel Beuchert / WX8MOJ- CMARC Treasurer

## November Sweepstakes (SSB)

November 16, 2019

Bank Balances for November	
<b>Beginning Balance</b>	<b>\$2,779.72</b>
Total Monthly Income	\$155.00
Total Monthly Expenditures	(\$94.88)
Total Business Checking	\$2,839.84
Petty Cash	\$1.00
Outstanding Checks	(\$94.88)
Sub Total + Petty Cash	<b>\$2,840.84</b>
Primary Share Accounts	
Humphrey's Fund	\$384.10
Building Fund (Club Station)	\$19.09
Field Day	\$178.73
Total Net Worth	<b>\$3,422.76</b>
Youth Fund Balance*	\$254.64
* Separate from CMARC Funds	

We took in \$100 in dues and \$55 in donations, while spending \$94.88 on memorial flowers this month.

Total Contacts = 89

Total Points = 9,078

Total Contacts by Mode:

80m = 45

40m = 11

20m = 33

We were joined by Dave Vick W8ZZX, Dan WX8MOJ, and Dawn KD8MWA Beuchert, their daughter Abby, Allan Ostrander KD8VJD, and Chris Ranes NS8Q.

The conditions were not that great, but the new Mosley Tri-bander and OCF dipole really did a great job for us.

20% of our contacts were into California, 10% were into Maryland, and the rest were scattered throughout the US and Canada. 84 total contacts were made in the US, 3 in Canada, and one contact each into Alaska and Hawaii.

Allan Ostrander was able to learn the ropes and get his feet wet with seven contacts. Dave Vick had 23 contacts and Chris Ranes had 43 contacts.

The star of the show was Abby Beuchert, who, while not licensed, commanded the microphone, and was able to bring in 9 contacts, while her dad, Dan, brought in 7 of his own. Abby's mom Dawn watched with excitement and she took the picture below.



PHOTOS USED WITH PERMISSION BY:  
DAN (WX8MOJ) AND DAWN (KD8MWA) BEUCHERT

## **2020 SCHEDULE OF VE EXAMS**

Sponsored by the  
"INGHAM COUNTY VE GROUP"

To best accommodate the various schedules of those wishing to test, the Ingham County VE team meets on either a Saturday morning or a Thursday evening, every other month. We test in the Community Room at Lansing Fire Station #44, 1435 East Miller Road, Lansing, Michigan 48911.

On the ODD MONTHS testing sessions are held on the second Saturday of the Month at 11:00AM.

On the EVEN MONTHS testing sessions are held on the first Thursday of the month at 7:00PM.

### **2020 SCHEDULE OF VE SESSIONS**

#### **FIRST THURSDAY OF THE MONTH AT 7:00PM**

February 6<sup>th</sup>  
April 2<sup>nd</sup>  
June 4<sup>th</sup>  
August 6<sup>th</sup>  
October 1<sup>st</sup>  
December 3<sup>rd</sup>

#### **SECOND SATURDAY OF THE MONTH AT 11:00AM**

January 11<sup>th</sup>  
March 14<sup>th</sup>  
May 9<sup>th</sup>  
July 11<sup>th</sup>  
September 12<sup>th</sup>  
November 14<sup>th</sup>

#### **SPECIAL EVENTS SATURDAY 11:00AM**

June 27<sup>th</sup> (CMARC Field Day-11:00AM-Rayner Park, 730 East Ash Street, Mason, Michigan 48854)

September 19<sup>th</sup> (CMARC Hamfest 11:00AM - Okemos Convention Center, 2187 University Park Drive, Okemos, Michigan 48864)



keys on many previous ops, but all were less than stellar under actual use. So now I take along a full size Vibroplex paddle, even though it is the heaviest item of the “go kit”. It’s hard to make good QSO’s when the guy on the other end can’t read your code!

The antenna for the portable operations is a home brew critter, sort of a hodge-podge thing made up of old Hamstick elements, Hustler parts, 2 aluminum rods, and a “radial package” that rolls up into a small sack. I fabricated a “custom homebrew” clamp mount, borrowed from an old CB “trucker” mirror clamp, that allows me to attach the antenna to a variety of surfaces. The whole kit n kobottle is light weight and quite compact. Perfect for the QRP traveler. (not to mention that it meets XYL approval)

After a couple days of settling in, I broke out the antenna gear and proceeded with the aerial setup. I clamped the antenna mount on to the railing that runs around the back porch and connected the 4 radials. Then I assembled the vertical element and fastened it down “hand tight” for easy take down. The radials were stretched out below and run right to the edge of the salt water. I had clear ocean view on 3 sides, with a straight shot to Cuba to the south, Africa to the east, and Texas to the west. As I unrolled the coax to make the connection to the rig, I had visions of world-wide DX awaiting! I hastily pulled out the rig and connected the plug to the back. The speaker “jumped” to life as the power switch was pressed, and I was



THE FIRST LOCATION OF THE VERTICAL, LOOKING TOWARDS CUBA TO THE SOUTH.

rewarded with the beautiful music of Morse as I tuned the VFO across the band.

Everything seemed to be going good. Too good. Enter Murphy ! It seems that wherever I go, my Ol’ pal Murphy is following close behind.

The FT-817 is a FB rig but has a small battery that doesn’t last very long. I’ve added an external 7 amp/hr gell cell that plugs in the back to supplement the power. To save size and weight, I had recently replaced the Plug n Cord that connects the battery to the back of the rig. I used an old, untested power plug. Big Mistake ! I had plugged it into the power receptacle before assembly, and it fit, so I soldered it up, thinking I was good to go. Only to find out that it was ever so slightly different from the one required, and didn’t make solid contact on the sleeve within. My joy quickly turned to despair as I searched the sack hopelessly for a remedy. Not to be

outdone by my own stupidity and a bad plug, I kicked in the old Ham ingenuity. I pulled the thin metal wire out of a bread tie and stuck it into the power receptacle at the same time as pushing the plug in, so as to make a better electrical connection. I made the connection alright. This immediately blew the fuse. I replaced the fuse. I put in my only spare fuse, and plugged the connector in again, slightly different. I got a good circuit that time and saw 12 volts on the rigs voltmeter. Thought I had it solved until I bumped the rig and blew the fuse again. No more fuses. I mumbled a few choice words to myself as I contemplated the next “fix”. I was on the right track, I just needed to be more careful about how far in I pushed the bare wire into the power plug. Desperate for a solution, I pulled out the jack-knife and cut off the fuse holder. No turning back now! A quick “jury rig” on the bare wires from where the fuse was, and I was ready to try again. I VERY carefully

inserted the bare wire and the plug back into the socket. As I turned on the rig again, I didn't know if I was going to get "smoke" or success. Yes ! The meter showed 12 volts and the rig was playing ! Ham ingenuity triumphs! The circuit was still a bit intermittent, so I had to move the cable to the "sweet spot" and I secured it there with tape.

Just when I thought I had things working good, Murphy reared up again! The T1 tuner had not been used or tested in over a year. I had neglected Elecraft's advice of storing the battery backwards so it couldn't be turned on by mistake. The go bag was packed so tightly that it had pressed the T1 tuner switches. The 9v battery in it, DEAD ! Oh well, my QSOs would have to be confined to 40M until I had a chance to go to town for a replacement.

The SKCC week-end sprint was in full swing, so I "jumped in" and made several good QSO's at 2 watts on 40 meters. My return signal reports of 419, 539, and 439, caused me some concern though. I felt that my antenna setup could be a bit better.

Next morning I went to the store and purchased a new 9v battery for the T1, and then set my sights on improving the vertical.

From experience, that many times I can get a vertical to "play better" simply by moving it a bit, or raising the feed point up a few more feet. I unbolted the CB mount and re-attached it to an old 2 by 4 that I found in the shed. The vertical was



MODIFIED 2X4 MOUNT LOOKING EAST TOWARDS AFRICA

remounted in the same spot, but now I had the feed point as high as the roof line. I lashed the 2 by 4 to the porch rail with my handy roll of twine, and I was ready to try again. I fired up the rig, tuned the T1 tuner, and answered a CQ. I was rewarded with a 559 report from a ham in PA. The next QSO, also with PA, gave me a 579, so my effort moving the vertical's feed point apparently worked.

The next morning I was up a bit early and turned on the rig to see if 20m was open to Europe. The band was in good shape, so I answered DL1REM, Frank, who gave me a 339 into Germany. I called several other stations and was rewarded with some good QSO's from across the pond.

G4, SV1, F6, IK1 along with YV5 and HC2 to the south all made it into



the log.

That same evening after dinner, I scanned 40M and had a nice conversation with K2TTP in New York. Jim was running 500 watts. Roughly 100 times the power I was running at 5w. His Mosley CL-36 was a big help to be sure. A quick run up n down 40 showed many South American stations loud and clear. A CE2 was running em contest style. For grins, I threw my call into the fray. Sure enough, he comes back to me with a 5NN. Of course I returned the 5NN TU, with a smile. Then topped it off with an HC2 and YV4 ! Not to shabby for a handful of watts and a spare parts vertical. Still the big test was yet to come. I had brought the rig along mainly for the purpose of getting in on the November NAQCC sprint. Yes working some DX was a plus, but the sprint was the objective. I dug out a car battery charger in the shed and put the gell-cell on charge for a little more juice. I wanted to squeeze every precious milliwatt out of the rig that she would give, and didn't want the battery to "go south" in the middle of the sprint.

At the start of the sprint 20M was dead. 40M was noisy yet quite a few peanut whistles were heard calling CQ NA. I managed 7 QSO's in a



THE HOLIDAY STYLE SETUP.

little over an hour. Some were barely above the noise, and some were loud n clear. N5GW, Gene had the big signal of the night. I didn't hear anything west of the Mississippi, but worked NBrM in N.H. for the longest contact. I was happy to work N8XMS back home in Michigan too. Paul and I live to close together to work each other regularly in the sprints, so it was a plus to put him in the log. After an hour of fighting the noise levels, I pulled the plug early.

Next morning I fired up the rig to see if 20m was open. The band was wall to wall signals! None of the stations in Europe could hear me, but

seemed like all of the Caribbean was listening. I had good QSOs with FS/VA3, a Canadian in St. Martin, PJ2 in Curacao, PJ4 in Bonair, and a VZ6 in Antigua. Great way to finish out my portable operation before I had to start packing it at up again to get ready to return home. A quick glance through the log showed some very successful vacation ops. About twice as many contacts as my previous operation from a few years earlier. The only thing left to say? Where to next ? ■

73, Gregg WB8LZG/4



# How to get “plugged in” to the amateur radio community

By Dan Romanchik, KB6NU

**T**his morning, I found this email in my inbox:

“Thank you for your website and great content. I passed the Tech and General tests on Saturday, and I will be taking the Extra exam in November. Your “No Nonsense” guides were very helpful.

“I do have a question, though. How do I stay current on what’s happening in the ham world? For example the CQ WW SSB contest was this weekend. How do newbies know this kind of thing? How do we find local or regional hamfests and other events?”

This is a great question. Like any special interest, it can seem daunting to get plugged in (pun intended) to the community. Here are a few of my suggestions:

Join the ARRL (<http://arrl.org/>). The American Radio Relay League (ARRL) is really the place to start for information related to amateur radio. QST, the ARRL’s monthly magazine, includes news about upcoming contests and ARRL-sanctioned hamfests. It also reviews new amateur radio products and provides a wealth of technical information.

In addition to QST, the ARRL publishes many email newsletters that members can subscribe to. For example, Contest Update is a biweekly newsletter that not only lists upcoming contests, but also includes tips on operating contests. The ARES E-Letter is a monthly public service and emergency communications newsletters. There are also email newsletters for ham radio instructors, those interested in DX, legislative matters, and satellite operation.

Join your local club. While the ARRL will help you keep abreast of amateur radio news and events nationally and internationally, if you want to know what going on in amateur radio in your area, you should join your local club. To find clubs near you, go to <http://www.arrl.org/>

find-a-club.

Visit the WA7BNM Contest Calendar (<https://www.contestcalendar.com/>). This contest calendar has become my go-to resource for any and all contest information. This site provides detailed information about amateur radio contests throughout the world, including their scheduled dates/times, rules summaries, log submission information and links to the official rules as published by the contest sponsors. Its features include an 8-Day calendar, a 12-Month calendar, and separate calendars for state QSO parties, CW contests, and QRP contests. You can also get a weekly e-mail of contests taking place in an 8-day period (Monday through Monday), as well as a list of contests scheduled for the next week and a list of log submission information for recent contests.

Ham radio blogs. Blogs are also a good way to keep up with what’s going on in amateur radio. I like to think that I do a good job of covering what’s going on in amateur radio, but, of course, I can’t do it all. That being the case, you might also want read other blogs. Other amateur radio blogs that you might want to check out include:

- The KoNR Radio Site (<http://www.konr.com/wordpress/>)
- QRP—When you care to send the very least (<https://w2lj.blogspot.com/>)
- Everything Ham Radio (<https://www.everythinghamradio.com/>)

There are a bunch of other good ones out there. Find the ones you like and subscribe to them, so that you get a notification when new items are posted.

Mailing lists. Mailing lists are kind of old school, but if you have a special interest, chances are that there is a mailing list for it. For example, I own an Elecraft KX-3, so I subscribe to the Elecraft KX User Group mailing list (<https://groups.io/g/Elecraft-KX/>). Many amateur radio mailing lists are migrating to the Groups.io. To find a list,

See **PLUGGED IN**, Page 10

just click on the “Find or Create a Group” link at the top of the page. I just did a search for “amateur radio” and found 910 different amateur radio mailing lists.

Podcasts and videocasts. Podcasts are also another great way to stay up with amateur radio. I’m partial to the ICQPodcast (<http://icqpodcast.com/>) because I am on the panel once a month. The podcast not only includes a discussion of what’s new in amateur radio, but also a feature, which digs a little deeper into a particular topic. Other great podcasts are Ham Radio Workbench (<https://www.hamradioworkbench.com/>), and Linux in the Ham Shack (<https://lhspodcast.info/>). Internet video shows that are worth checking out are Ham Radio 2.0 (<https://www.livefromthehamshack.tv/>), Ham Radio

Now (<https://www.hamradionow.tv/home>), and Ham Nation (<https://twit.tv/shows/ham-nation>).

This is by no means an exhaustive list. If you have an amateur radio information resource that you find particular helpful, please let me know. ■

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*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 wondering when robots are going to take over the world, he likes to (manually) operate CW on the HF bands.*

## Wayne Green, W2NSD, on ragchewing

By Dan Romanchik, KB6NU

I’ve written before about Ham Radio Fun, a tabloid Wayne Green published in the 1990s for new hams. Well, this morning, I’m scanning through the issues that I have before sending them on to Steve, KB9MWR, so that he can scan them and add them to the online 73 archive.

In doing so, I ran across this little tidbit in his column in the May 1993 issue:

*“Rag-Chewing for Fun*

*One measure of intelligence is how long it takes someone to get fed up with exchanging the same old crap over and over...how long it takes before they begin to start looking for people to actually talk with instead of broadcast to. Som old-timers have been exchanging signal and weather reports, and not much else, for decades.*

*It’s a pit that we’ve allowed our ham communications systems to evolve on a simplex basis, with one of us talking at a time, instead of duplex, as on the telephone. It’s difficult enough to generate conversations when you meet someone new, that you can see and hear, but trying to find mutual conversational ground with someone you can’t see and can’t hear while you’re talking is a real challenge.*

*If you’re into pioneering, you might consider developing a system which will allow us to at least talk to each other at the same time. We can do this via either time or frequency splitting. Eventually we’ll have video along with voice, if you’ll start working on it.*

*In the meantime, let’s get along as best we can with what we’ve got. I’ve been hamming for over 50 years now, and contacts haven’t changed much. Oh, we’re using sideband on the low bands and NBFM on the VHF bands, but our conversations haven’t changed. We’re still*

See RAGCHEWING, Page 11

*where we were 50 years ago as far as actually talking with each other is concerned. We're still in the dark ages when it comes to communicating."*

Wayne goes on to describe some of the things he does to encourage some real communication. This includes not talking about equipment and listening to clues for what the operator is saying for "clues on things to ask him about." Of course, now we have QRZ.Com. By looking up an operator that you're in contact with on QRZ.Com while the contact is in progress, you can often find lots of things to talk about with him or her.

Basically, Wayne's advice is to work at being a good conversationalist. I like to think that I work at being a good ragchewer, and as a result, have had many interesting contacts over the years.

Before I end this blog post, I wanted to also point out again the bit about duplex communications. I'm still not aware of something like this being available. It might be difficult to come up with an HF system, but certainly something could be developed for the VHF and UHF bands.

And finally, I want to put out a call for more issues of Ham Radio Fun. Steve is trying to find the missing issues so that he can digitize them and make them available to the entire ham community. If you think you might have some hidden in a box or a pile somewhere, dig them out and send them to Steve. ■

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*Used with permission from Dan Romanchik, KB6NU as pulled from the KB6NU amateur radio blog (KB6NU.Com).*

## A LID for 67 Years!

**By Dan Romanchik, KB6NU**

**L**ast night, I had a great QSO with Don W2LID. Of course, we joked about his call, and I asked him how long he'd had it. As it turns out, he was issued the call in 1937 at the age of 15, so he's been a LID for 67 years!

As I mentioned, it was a very nice QSO. Don is a real expert at how to conduct a QSO. One of the keys to a good QSO is to ask lots of questions. Practically before I could get a word in edgewise, he'd asked me about my work, why I had a 6 call in the 8 call district, and about the equipment I was running. Through his questioning, we found out that we had some common work experience, he working for Bell Labs, and me working for a competitor, Northern Telecom.

If anyone's callsign can be a misnomer it's W2LID. Don's as far from being a lid as I can imagine.

### What's a Lid?

When we finally did get around to joking about his call, he also mentioned that many of the new operators that he works are often not familiar with the term. I think this happens quite a bit these days. For example, there's a fellow in our club who refers to his wife as his "XYO."

Of course, the reason for this is that nowadays the

entry license is the Tech license, not the CW-only Novice license. I'm not complaining about this, really, but I think it's probably a good idea to keep this in mind when talking with these fellows on the repeater or at club meetings and gently correct them on the use of terms. Maybe it's because I'm a writer and editor, but I've come to be a real stickler for proper usage. Call me a prude, but I think when everyone uses the correct terms, and uses them correctly, then there's less chance for miscommunication.

By the way, after our QSO, I fired up the 2m rig to check in to our club's weekly net. One of the fellows knew what a lid was, but wanted to know the origin of the term. Having a PC handy, I did a quick Google search. The consensus is that term was first used in the days of wireless telegraphy. Apparently, some of the operators used the lid of a Prince Albert tobacco can to enhance the tone and volume of the mechanical sounder. This practice was frowned upon by the hotshot operators, who derisively referred to these guys as "lids." ■

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*Used with permission from Dan Romanchik, KB6NU as pulled from the KB6NU amateur radio blog (KB6NU.Com).*



# 2019 Christmas Party Pictures



PHOTOS BY: GREGG MULDER, WB8LZG

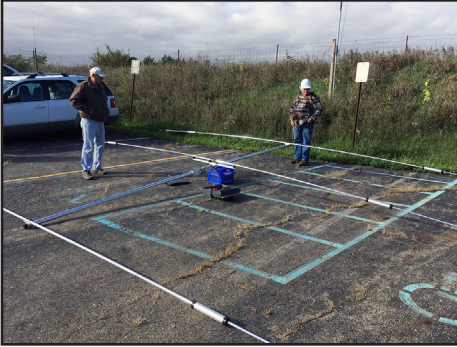
**Thank you to everyone who attended our annual Christmas party and to those who prepared and brought food for all of us to enjoy.**

**From all of us at CMARC, Happy New Year!**



# New Mosley Tri-bander Assembly and Installation

October 5, 2019



**Thank you to everyone who came out to help with the assembly and installation our new antenna. This “beefier” version of the Mosley we used to have will serve us well into the future.**

**We also raised the feedpoint of the OCF Dipole above the guy wires to give it better performance on 80 and 40-meters.**



PHOTOS BY CHRIS RANES, NS8Q

**CENTRAL MICHIGAN AMATEUR RADIO CLUB**  
**BOARD OF DIRECTORS**  
**MEETING MINUTES**  
**FRIDAY, JULY 12, 2019 (instead of Saturday, July 6, 2019)**

Current Board Members Present: Don McLain (KB8RAD), Gregg Mulder (WB8LZG),  
Shannon Ranes (WA2NVK), Gordy Smith (KE8JKS)  
Current Board Members Absent: Dan Beuchert (WX8MOJ), Michael Boensch (W8MKB),  
Carl Canfield (K8YHH)  
Guests: Ben Barker (WD8OVL), Tim Clay (KC8THC),  
Dan Dembinski KD8YDE), John Doornhaag (KD8NNQ),  
Kenny Hazlett (K8NNY), Tom Rocheleau (WA8WPI),  
Tim Schucharkiy (KE8HIY)

Gordy called the meeting to order at 6:10 pm.

**FIELD DAY**

~John Doornhaag asked Dan Dembinski how many tanks of propane he went through at Field Day.

***Motion by Gregg to reimburse Dan Dembinski for 2 tanks of propane that were used at Field Day, second by Don, approved by all, motion passed.***

~Gordy mentioned Dan Dembinski asked him about reimbursement for Field Day food. Dan volunteered to make food during Field Day (2pm Saturday through 2pm Sunday), but he made breakfast on Saturday morning for those staying overnight on Friday night as well as some of the volunteers who came Saturday morning. ***\*\*Entire Board needs to discuss.\*\****

**HAMFEST**

~Dan Dembinski has vendors as well as prize donations.

~Gigaparts is offering us a deal. We need to decide how much money we want to spend. Since 3 of the 7 Board members are not in attendance, including the Treasurer, Shannon asked Dan to send the Board the information so we can consider and vote.

~Michael called Gordy's phone and mentioned he will have a planning meeting soon and we need a list of DAY Of volunteers.

**MISC**

~Club member Directories are available.

**AUGUST MEETING**

~Indoor Picnic. Club provide meat. Historically had been after Field Day and HamFest as a thank you to members/volunteers for all the work.

~Field Day follow-up at that meeting.

~Tom Rocheleau mentioned that is the last CMARC meeting before HamFest.

**MOTION:** *With no further business to discuss, Gordy Smith (KE8JKS)) moved that we adjourn the meeting, seconded by Don McLain (KB8RAD), approved, and the motion carried.*

The meeting was adjourned at 6:30pm.

Respectfully submitted,

Shannon Ranes (WA2NVK)

CMARC Secretary



**CENTRAL MICHIGAN AMATEUR RADIO CLUB**  
**MEETING MINUTES**  
**FRIDAY, JULY 12, 2019**

**Attendance**

Board Members Present: Carl Canfield (K8YHH), Don McLain (KB8RAD),  
Gregg Mulder (WB8LZG), Shannon Ranes (WA2NVK),  
Gordy Smith (KE8JKS)

Board Members Absent: Dan Beuchert (WX8MOJ), Michael Boensch (W8MKB)

General Members: 26

Visitors: 10

**Call to Order**

- Gordy called the meeting to order at 7:00 pm.
- Tim Clay (KC8THC) held the Flag for the Pledge of Allegiance.

**Sign-in Sheets**

- Please make sure to sign the sign-in sheets circulating around the room at each meeting. One sheet for members and another for visitors. We use these sheets to keep track of how many people visit us each month.

**Cards and Flowers Report:**

- Jimmy Dunahoo (KD8IWQ) - Get well card
- Linda Dunahoo (Jimmy's wife) - Get well card
- Moment of silence

**New Members / Visitors**

- Dustin Thomas (N8RMA) - Tonight's speaker, wife (Montora) and son (Riley).
- Bob Dick (KC8MSU)
- Tim Schucharkiy (KE8HIY) - Became a General at Field Day.
- Mike Bayard (N8OBU)
- Jeff Oberg (KB8SXX) - Brandmeister repeater and DMR repeater.

**Treasurer's Report**

- MOTION:** Don McLain (KB8RAD) *moved to accept the Treasurer's Report as published on the CMARC website, seconded by Dan Dembinski (KD8YDE), approved, and the motion carried.*
- Pay membership dues.
  - LCDRA dues to Michael Boensch. Meeting this Thursday, July 18, 2019 @ 7pm at FS#8.

**Secretary's Report**

- MOTION:** Kenny Hazlett (K8NNY) *moved to accept the Secretary's Report as published on the CMARC website, seconded by Don McLain (KB8RAD), approved, and the motion carried.*

**New licenses or upgrades**

- Bob Dick (KC8MSU) - Licensed in March. First time at CMARC meeting.
- Tim Schucharkiy (KE8HIY) - Became a General at Field Day.

### **Interesting DX or Other Contacts**

- Gregg Mulder - No DX report but something interesting. Asked how many have been the first QSO for a new ham. Told story of a new ham with first QSO.
- Tim Clay (KC8THC) - First DMR contact - Guy from Beaumont, TX. Used Dansville Brandmeister repeater belonging to Mike Bayard (N8OBU).
- Shannon Ranes (WA2NVK) - 13 Colonies contest. Chris Ranes (NS8Q) and Ben Barker (WD8OVL) also each participated in the 13 Colonies contest.

### **Old Business**

- Club directories are available
- Field Day - Shannon read an email report from Dan Beuchert.  
~Gregg read the CW stats.  
~Dan D. asked about having more public officials at Field Day. Gregg mentioned we receive 100 points regardless of how many visit.
- HamFest - 09/07/19 - Gordy gave some details. Trial year. May not have everything worked out. New date and location this year. Probably different next year.  
~Dan Dembinski mentioned some vendor tables reserved. Named some vendors.  
~Sign up sheet for DAY OF Volunteers. Each person can do something.  
~Fliers available.
- Fall outdoor cleaning - Gordy. Similar to Spring cleaning. Would like 2 or 3 hour special. Set a date in the future.

### **New Business**

- Indoor picnic at next month's meeting.
- Mike Bayard (N8OBU) would like to meet with Board of Directors after meeting.
- Ed Oser (W8EO) - Repeater quiet. MSU kids are gone. Al Wright is listening.

### **Adjournment**

**MOTION:** *With no further business to discuss, Gordy Smith (KE8JKS) moved that we adjourn the meeting, seconded by Dan Dembinski (KD8YDE), approved, and the motion carried.*

The business meeting was adjourned at 7:48 pm.

### **Tonight's Presentation**

- Dustin Thomas (N8RMA) - DMR

Respectfully submitted,  
Shannon Ranes (WA2NVK)  
CMARC Secretary

**CENTRAL MICHIGAN AMATEUR RADIO CLUB  
BOARD OF DIRECTORS  
MEETING MINUTES  
SATURDAY, AUGUST 3, 2019**

Current Board Members Present: Don McLain (KB8RAD), Gregg Mulder (WB8LZG),  
Shannon Ranes (WA2NVK), Carl Canfield (K8YHH)  
Dan Beuchert (WX8MOJ), Michael Boensch (W8MKB),  
Current Board Members Absent: Gordy Smith (KE8JKS)  
Guests: Chris Ranes (NS8Q)  
Dan Dembinski (KD8YDE) during HamFest discussion

The meeting began at 7:00 pm.

**HAMFEST - Dan Dembinski & Michael Boensch**

~21 Booths sold so far. 20 left to sell. Going to keep 5-6 for walk ins.  
~Dan gave Dan B. the checks that have arrived so far.  
~Gregg asked if we have a table to sell CMARC items. Gregg will not be at HamFest but will take on the task of going through items and preparing. Gregg talked with Ed Oser (W8EO) and if we “give” them (MSUARC) their table, they could sell our items. Carl is willing to man a CMARC table.  
~Dan working on volunteer list. Will ask for more volunteers at CMARC meeting. Need floaters and people for specific responsibilities.  
~Clyde Tompkins (K8CPT) gave Dan information about the hotdog truck.  
~Hotel contract says no outside food, but Michael will have Gordy check with the hotel. Sell individually wrapped items for breakfast? Donuts and coffee? Need to make a list of what we want to have in the refreshment room. Provide lunch for volunteers? We will have someone at the refreshment room door.  
~Eat in the conference room? Gordy needs to check with the hotel. Hot dogs or other food items could be messy.  
~Michael bought/brought wristbands. Three colors of 500 each (red, green, blue).  
~Clean up should not take long.  
~Dan B. needs to know exactly what is being donated and the value. We’ll use the two stub red tickets for this year. Discussion regarding people purchasing extra tickets for the raffle.  
~Michael mentioned if HamFest goes well, we should book the date at the hotel immediately after. Look at moving it to the following weekend in September.  
~***Motion by Don McLain to spend \$200 on a Grand Prize, second by Dan B. & Gregg M., approved, and the motion carried.***

**MEETINGS**

~August CMARC Meeting - HamFest final items. Field Day stats.  
~Shannon asked what the club providing for the indoor picnic - hot dogs, hamburgers? Don suggested brats. Gregg suggested having our picnic at a picnic grounds next year.  
~September Board Meeting will not happen since it would be the same evening of HamFest.  
~***Motion by Don to delay the September Board Meeting and the next meeting will be October, second by Gregg, approved, and the motion carried.***



### MISC

- ~DMR notes will be posted on the website.
- ~Discussion regarding videos and photos taken during CMARC events or activities and then posted on social media.
- ~Discussion of safety and security at the club building and events.
- ~If a Board member receives information from a member about a concern, please inform the entire Board. Also, club members should inform the entire Board if they believe there is a situation, not just one Board member.
- ~LCDRA owns the repeaters and has legal powers over what is said over the air. OO's (Official Observers) police the airways through the FCC.

### ANTENNA

- ~Chris Ranes (NS8Q) - Two day process. Take down. Assemble and put up. Discussed options of putting up, storage, timing.

### FIELD DAY

- ~Shannon asked if Dan Dembinski had given Dan B. a receipt amount for the Field Day food he purchased. Dan B. has not received anything yet. Gregg suggested we ask Dan D. for receipts.
- ~Dan B. gave example of the Maker Space. They will accept items only if there is a use.  
***Gregg proposed donations to the club of any form need to be approved by the Board first, second by Don M., approved, and the motion carried.***  
This provides a safeguard for collecting items that sit around. This helps because we can find out if someone is donating something or if we need to ask for something (ie. Field Day).

### CALENDAR

- ~Dan will check with Kevin and Justin to see if building will be in use during the next couple weeks when Gregg wants to go through equipment for HamFest.
- ~Discussed current dates we know we will be in the building.
- ~Dan will give Kevin/Justin the dates we currently plan to be at the building and ask them for any dates they plan to use the building.
- ~Building repairs - Purchase wood for trim and paint. John Doornhaag (KD8NNQ) may bring gravel for pothole.

**MOTION:** *With no further business to discuss, Don McLain (KB8RAD) moved that we adjourn the meeting, seconded by Dan Beuchert (WX8MOJ), approved, and the motion carried.*

The meeting was adjourned at 9:30 pm.

Respectfully submitted,  
Shannon Ranes (WA2NVK)  
CMARC Secretary

**CENTRAL MICHIGAN AMATEUR RADIO CLUB**  
**MEETING MINUTES**  
**FRIDAY, AUGUST 9, 2019**

**Attendance**

Board Members Present: Dan Beuchert (WX8MOJ), Michael Boensch (W8MKB)  
Carl Canfield (K8YHH), Don McLain (KB8RAD),  
Gregg Mulder (WB8LZG), Shannon Ranes (WA2NVK)  
Board Members Absent: Gordy Smith (KE8JKS)  
General Members: 20  
Visitors: 5

**Call to Order**

- The meeting was called to order at 7:10 pm.
- Tom Rocheleau (WA8WPI) held the Flag for the Pledge of Allegiance.

**Sign-in Sheets**

- Please make sure to sign the sign-in sheets circulating around the room at each meeting. One sheet for members and another for visitors. We use these sheets to keep track of how many people visit us each month.

**New Members / Visitors**

- Felicia Jenkins, Friend of Michael Bofysil's (KC8ZLQ) wife
- Jarrod Jicha (KI4BYT)
- Kevin Ellis (KC8KT)
- Sam Ellis (Kevin's son)
- Joe Keresztes Paul (N8YCM)

**Cards and Flowers Report:**

- Moment of silence

**Treasurer's Report**

**MOTION:** Ben Barker (WD8OVL) *moved to accept the Treasurer's Report as published on the CMARC website, seconded by Don McLain (KB8RAD), approved, and the motion carried.*

- Pay membership dues.
- LCDRA dues to Michael Boensch.

**Secretary's Report`**

**MOTION:** *John Doornhaag (KD8NNQ) moved to accept the Secretary's Report as published on the CMARC website, seconded by Ben Barker (WD8OVL), approved, and the motion carried.*

**New licenses or upgrades**

- Kevin Ellis KC8KT - upgraded to General

**Interesting DX or Other Contacts**

- Gregg Mulder - Islands On The Air - 2 islands on 20 meter CW
- Michael Bofysil (KC8ZLQ) - Heard Columbus, OH and Detroit on 2 meters, 76 repeater.
- Justin Macauley (WD8EHT)- Toledo, OH open band conditions a couple days.

### **Old Business**

- Club directories are available. Jarrod asked about a digital copy. Gregg will not give out digital copy. If someone scans it and puts it on the internet, he is not involved.
- Last month's meeting's DMR notes from Dustin Thomas (N8RMA) are on the website.
- Field Day - Dan Beuchert.  
Ran 3A this year again. Dan ran the stats between last year and this year. Last year digital ran PSK31, this year FT8. Also used filters this year. Increased 20 attendees this year (80 instead of 60). GOTA did well (45 contacts and 11 operators). Dan thanked everyone for their help and assistance.
- HamFest - 09/07/19 - Michael Boensch / Dan Deminski  
~Fliers available.  
~CMARC table.  
~Volunteers - We have a list but need at least 15 people. Not everyone will do something during the day. Need clean up, people directing vendors, taking care of cash, giving wristbands out.  
~Vendors - have about 18 tables left to sell.  
~Info to radio and tv stations.  
~Food truck.

### **New Business**

- To eliminate items being donated and just sitting around building and grounds, **all donations to the club, of any form, need to be approved by the Board first.**  
Dan reminded we can give a person a receipt if an item is donated. Then we know what inventory we have for the 501C3.
- Don mentioned the suggestion box and showed everyone.

### **Announcements**

- Justin Macauley - New after dark Net on 147.2800. 12am on the 1st and 3rd Thursdays.
- John Hosford (KC8QZB) - St James Walk is on Sunday. The Seaway Swap is on Sunday.

### **Adjournment**

**MOTION:** *With no further business to discuss, Don McLain (KLB8RAD) moved that we adjourn the meeting, seconded by Gregg Mulder (WB8LZG), approved, and the motion carried.*

The business meeting was adjourned at 7:55 pm.

### **Tonight's Presentation**

- Annual Indoor Picnic

Respectfully submitted,  
Shannon Ranes (WA2NVK)  
CMARC Secretary



**CENTRAL MICHIGAN AMATEUR RADIO CLUB**  
**MEETING MINUTES**  
**FRIDAY, SEPTEMBER 13, 2019**

**Attendance**

Board Members Present: Dan Beuchert (WX8MOJ), Michael Boensch (W8MKB)  
Carl Canfield (K8YHH), Don McLain (KB8RAD),  
Shannon Ranes (WA2NVK), Gordy Smith (KE8JKS)  
Board Members Absent: Gregg Mulder (WB8LZG) - out of state  
General Members: 22  
Visitors: 4

**Call to Order**

- The meeting was called to order at 7:05 pm.
- John Winn (KE8CYC) held the Flag for the Pledge of Allegiance.

**Sign-in Sheets**

- Please make sure to sign the sign-in sheets circulating around the room at each meeting. One sheet for members and another for visitors. We use these sheets to keep track of how many people visit us each month.

**New Members / Visitors**

- Felicia Jenkins, Friend of Michael Bofysil's (KC8ZLQ) wife
- Ornan Lafon (KE8FOH)
- Toni - Fiance of Clyde Tompkins (K8CPT)

**New Licenses or Upgrades**

- VE testing tomorrow at Fire Station #44 at 11am.

**Cards and Flowers Report:**

- Get well card to Bill Cote (WD8NYW)
- Dave Hayhurst (K8QH) passed away 9/11. Viewing 9/15. Service 9/16.
- Moment of silence

**Treasurer's Report**

**MOTION:** Dan Dembinski(KD8YDE) *moved to accept the Treasurer's Report as published on the CMARC website, seconded by Don McLain (KB8RAD), approved, and the motion carried.*

- Pay membership dues.
- LCDRA dues to Michael Boensch. John Winn asked the number of members?

**Secretary's Report`**

**MOTION:** John Doornhaag (KD8NNQ) *moved to accept the Secretary's Report as published on the CMARC website, seconded by Clyde Tompkins (K8CPT), approved, and the motion carried.*

**Interesting DX or Other Contacts**

- John Hosford (KC8QZB) heard a Florida station.
- Clyde Tompkins talked with Egypt a couple weeks ago.

### **Old Business**

- Club directories are available.
- HamFest - 09/07/19 - Michael Boensch / Dan Deminski - Thank you to all who helped out with HamFest.
- To eliminate items being donated and just sitting around building and grounds, **all donations to the club, of any form, need to be approved by the Board first.** Dan reminded we can give a person a receipt if an item is donated. Then we know what inventory we have for the 501C3.
- Box of wires and cords available for the taking that we ok'd to bring back from HamFest. Members can go through the box and take whatever they would like.

### **New Business**

- Fall outdoor cleaning/painting day - Gordy Smith - date tbd in a few weeks.
- Board nominations in November, elections in December. Begin thinking about your interest. Dan, Michael, Gregg, Don (Under 22) expire at the end of 2019.
- St James Walk - Lower number than other years.
- Run for CHUM - Lower number than other years.
- John Winn - ARPSC - 9/16 @ 7pm at FS#44 - They need more people. You are not committed to joining if you come to a meeting.
- Dan Dembinski - Hats left over from HamFest to give out.
- Bob Strobel (KB8DQQ) brought in a RCA metal box full of items. He does not want to take it home with him.

### **Adjournment**

**MOTION:** *With no further business to discuss, Justin Macauley (WD8EHT) moved that we adjourn the meeting, seconded by Bob Crawford (K8ZAP), approved, and the motion carried.*

The business meeting was adjourned at 7:33 pm.

### **Tonight's Presentation**

- Ham-Fest follow-up

Respectfully submitted,  
Shannon Ranes (WA2NVK)  
CMARC Secretary

**CENTRAL MICHIGAN AMATEUR RADIO CLUB  
BOARD OF DIRECTORS  
MEETING MINUTES  
SATURDAY, OCTOBER 5, 2019**

Current Board Members Present: Don McLain (KB8RAD), Gregg Mulder (WB8LZG),  
Shannon Ranes (WA2NVK), Carl Canfield (K8YHH)  
Dan Beuchert (WX8MOJ), Michael Boensch (W8MKB),  
Gordy Smith (KE8JKS)

Current Board Members Absent: Gregg Mulder (WB8LZG)

Guests: Chris Ranes (NS8Q), Bill Thompson

The meeting began at 6:35 pm.

**HAMFEST 2019 - Dan Dembinski & Michael Boensch**

~Dan read through the sheet of "how did you hear about HamFest" results. We don't have information from all visitors.

**HAMFEST 2020**

~\$275 Paid dep. Have receipt but not contract. Dan gave deposit to Mac at hotel. Jessica was out of the office. Date all set and reserved. Third Saturday, September 19, 2020.

Gordy will stop and get the contract. Same as this year. Gordy mentioned get presenters lined up, more than one, in case one falls through. ie. Grounding and bonding class. APRS.

**MEETINGS**

~Jim Geyer (KD8CHU) at October meeting.

~Stephen Smith (WA8LMF) at November meeting. He has four out of the box presentations.

~Remind speakers of one hour time limit. Ask speaker/presenter to have a spot during their presentation that they pause and tell people ok to leave if need to so people don't feel bad.

~Gordy working on a Fast scan tv presentation (ATV). Carl mentioned he has three at this house. Gordy suggested he and Carl combine. April, May, June 1996 ARRL has article that mentions Lansing, MI ATV club.

**MISC**

~Gordy wants to begin classes again. ie. Spectrum analyzer.

~Fall/Spring outdoor clean-up. We'll have to get a date approved.

~AB-577/GRC portable crank up tower/mast that Leon Bruner (NT8B) is donating to CMARC - Gregg hasn't heard except that he is bringing it to Michigan.

~Shannon mentioned Videos/Photos during CMARC events or activities. Social Media.

Dan has a sign that was used at HamFest. We can have it out at meetings and activities that says recordings may take place, so people are aware.

## **CALENDAR**

~Sweeps - Begins 2100 UTC Saturday and runs through 0259 UTC Monday.

\*CW: First full weekend in November (November 2-4, 2019).

\*Phone: Third full weekend in November (November 16-18, 2019).

## **ANTENNA**

~Michael mentioned after tower done, wants to have an open house.

~Carl mentioned have a problem with the rotor motor. Discussion regarding rotor motor.

See if someone has one? Someone donate one? People donate toward? Form a committee?

Dan and Chris checked on-line - \$700 for rotor and motor.

Current rotor is "High Gain Ham 4". DX Engineering has motor replacement for \$600. We have about \$3,400 right now. Don, Carl, and Gordy donated money on the spot.

***Don made motion to purchase rotor motor, second by Gordy, approved by all. Motion passed.*** (Shannon called Gregg since he was not at the meeting and he gave his approval.)

Chris or Dan will order the rotor motor tomorrow.

Email to the ListServ that tells everyone voted to purchase rotor. Can donate if want to.

~Carl mentioned Tom up on tower at least 3 hours and deserves something mentioned at CMARC meeting. "Extra Mile" Award.

## **BOARD OF DIRECTORS**

~Can take Board of Director nominations all year long up to November meeting.

Nominations close at November meeting.ail ListServ reminding people.

Get voting committee ready in November so ready for December meeting.

~Dan asked if we can split Membership info off of Treasurer responsibilities. Looking in by-laws, nothing says has to be the same person. Don reminded it used to be that way.

Don commented he and Carl were talking about the Treasurer/Membership being split. If we split, it gets more people participating/active, and interested.

~Dan mentioned regarding VP and getting speakers. No reason cannot get speaker committee together and have VP as head of committee.

## **ARPSC Events**

~Veterans Day Parade

~Silver Bells

**MOTION:** *With no further business to discuss, Don (KB8RAD) moved that we adjourn the meeting, seconded by Dan (WX8MOJ), approved, and the motion carried.*

The meeting was adjourned at 8:50 pm.

Respectfully submitted,  
Shannon Raney (WA2NVK)  
CMARC Secretary



**CENTRAL MICHIGAN AMATEUR RADIO CLUB**  
**MEETING MINUTES**  
**FRIDAY, OCTOBER 11, 2019**

**Attendance**

Board Members Present: Dan Beuchert (WX8MOJ), Michael Boensch (W8MKB)  
Carl Canfield (K8YHH), Don McLain (KB8RAD),  
Gregg Mulder (WB8LZG), Shannon Ranes (WA2NVK),  
Gordy Smith (KE8JKS)

Board Members Absent:

General Members: 25

Visitors: 5

**Call to Order**

- The meeting was called to order at 7:07 pm.
- Tom Rocheleau (WA8WPI) held the Flag for the Pledge of Allegiance.

**Sign-in Sheets**

- Please make sure to sign the sign-in sheets circulating around the room at each meeting. One sheet for members and another for visitors. We use these sheets to keep track of how many people visit us each month.

**New Members / Visitors**

- James Tranquilla (KE8NCE) - Tested last Thursday and received call sign today.
- Mike Frye Henderson (KC8NCC)
- Mike Grossbauer (KE8LHA)
- Charles Taricska (KD8VJM)
- Katie - Gordy Smith's daughter

**Cards and Flowers Report:**

- Dave Hayhurst (K8QH) passed away 9/11. Viewing 9/15. Service 9/16.
- Betty Hunsaker - wife of Carl/SK (K8ILF), mother of Don (WB8PPB)
- Dan Dembinski (KD8YDE) - shoulder surgery (Gordy Smith mentioned)
- Jerrod Jicha's (KI4BYT) mom passed away today (John Hosford mentioned)
- Moment of silence

**Treasurer's Report**

**MOTION:** *Don McLain (KB8RAD) moved to accept the Treasurer's Report as published on the CMARC website, seconded by Ben Barker (WD8OVL), approved, and the motion carried.*

- Pay membership dues.
- LCDRA dues to Michael Boensch. Meeting Thursday, October 17, 2019 @ 7pm @ FS#8.
- ARPSC meeting Monday, October 21, 2019 @ 7pm @ FS#8

**Secretary's Report**

**MOTION:** *Ben Barker (WD8OVL) moved to accept the Secretary's Report as published on the CMARC website, seconded by Dan Beuchert (WX8MOJ), approved, and the motion carried.*

### **Interesting DX or Other Contacts**

- Gregg Mulder - 1 watt - St Pierre and Miquelon island off Newfoundland (French possession) on 20 meters. Heard him at dusk on 40. Had to work 5 watts.
- Shannon Ranes - DMR Boy Scouts merit badge contact.
- Ed Oser (W8EO) - School club roundup - week long - October 21-25, 2019. Kid clubs.
- Michael Boensch mentioned the Boy Scouts activities.

### **Old Business**

- Club directories are available.
- HamFest - 09/07/19 - Michael Boensch / Dan Deminski - Thank you to all who helped out with HamFest.
- To eliminate items being donated and just sitting around building and grounds, **all donations to the club, of any form, need to be approved by the Board first.** Dan reminded we can give a person a receipt if an item is donated. Then we know what inventory we have for the 501C3.
- Box of wires and cords available for the taking that we ok'd to bring back from HamFest. Members can go through the box and take whatever they would like.

### **ANTENNA**

- Dan Beuchert and Tom Rocheleau explained the timeline of the new Mosley antenna.
- 9/28 - Antenna assembly - John Doornhaag, Gregg Mulder, Chris Ranes
- 10/5 - Antenna up - Dan Beuchert, Carl Canfield, John Doornhaag, John Hosford, Gregg Mulder, Chris Ranes, Tom Rocheleau
- 10/9 - Rotor motor - John Doornhaag, Tom Rocheleau
- 10/10 - Back up the tower to re-connect everything - John Doornhaag, Tom Rocheleau
- Raised off-center di-pole up 10 feet to get above guy wire.
- Gregg reconnected all feed lines and tested antennas. Nice dip on amateur bands.
- As mentioned in the email on the ListServ, the CMARC Board voted to purchase a new rotor motor.
- Gave Tom an "Extra Mile Award" for all of his up and down on the tower.
- Greg Wesley (KD8PA) asked what doing with old antenna that is now laying on the ground. He is willing to give \$25 for it. Dan mentioned Board said would decide once the antenna is down, and now that it is down, we need to decide. Gordy mentioned several others have also inquired.

### **New Business**

- John Winn (KE8CYC) - ARPSC made contact from FS # 8 to the SEOC during SET (Simulated Emergency Test) - First time our county has responded. Mike Grossbauer (KE8LHA) made the contact.
- Clean-up day in Spring instead of Fall - Gordy Smith
- Buy/Sell equipment - Classifieds in SCOPE
- Nominations for Board of Directors
  - Nominations in November, elections in December. Begin thinking about your interest. Dan, Michael, Gregg, Don (Under 22) expire at the end of 2019. Michael and Dan not running again. Dan explained how it works. Every 2 years half the board is replaced. Anyone can nominate from January until November. Close nominations in November and then give bio to Chris Ranes (NS8Q) for the SCOPE. Vote in person at December meeting or by email. Can nominate yourself or someone else. We will advertise in the SCOPE as well.
  - Gordy nominated Clyde Tompkins (K8CPT).
  - Don McLain nominated himself for Under 22.
  - Gordy nominated John Doornhaag (KD8NNQ). He has talked with John, but John is not here tonight to confirm.
  - Dan mentioned you can volunteer with support. ie. He had guidance from Jerry Waite (KD8GLN) and John Doornhaag (KD8NNQ). For the past several years the Treasurer has handled Membership, but it is a lot of extra work. Some roles can be given to committees (other CMARC members).
  - Can send an email to the current Board with your nomination if you want.
- Gregg mentioned November SWEEPS. 11/2-4 CW. 11/16-18 voice.
- Gregg mentioned our call here, W8PLP, is murder on cw. Is there a possibility we can use W8MAA? We use it for Field Day. Does anyone have a problem? Ed Oxer (W8EO) mentioned at MSUARC they had a similar situation and the FCC said it was ok as long as the same address.
- MSUARC 100th anniversary openhouse - 10/19/19 - Engineering Building. 442.9 repeater. Ed Oxer brought a flyer.

### **Adjournment**

**MOTION:** *With no further business to discuss, Jerry Waite (KD8GLN) moved that we adjourn the meeting, seconded by Dan Beuchert (WX8MOJ), approved, and the motion carried.*

The business meeting was adjourned at 7:55 pm.

### **Tonight's Presentation**

- Jim Geyer (KD8CHU)

Respectfully submitted,  
Shannon Ranes (WA2NVK)  
CMARC Secretary

**CENTRAL MICHIGAN AMATEUR RADIO CLUB  
BOARD OF DIRECTORS  
MEETING MINUTES  
SATURDAY, NOVEMBER 2, 2019**

Current Board Members Present: Dan Beuchert (WX8MOJ), Michael Boensch (W8MKB),  
Carl Canfield (K8YHH), Don McLain (KB8RAD),  
Gregg Mulder (WB8LZG), Shannon Ranes (WA2NVK),  
Gordy Smith (KE8JKS)

Current Board Members Absent:

Guests: John Doornhaag (KD8NNQ), Chris Ranes (NS8Q),  
Bill Thompson (KE8KFA)

The meeting began at 6:40 pm.

**AB-577/GRC PORTABLE CRANK UP TOWER / MAST**

Gordy spoke with Al Conn (W8RXY) at the MSUARC and they also had some stuff donated by Leon Bruner (NT8B), the same gentleman donating us the mast. Gregg mentioned Leon Bruner is coming into town November 6th or 7th. Coming from Pennsylvania with the mast in his truck. He wants to know who to meet, when, and where. Gregg told him to contact Ed Oxer (W8EO) and he would get in touch with us. Gregg gave Ed's phone number to Gordy. Dan and John mentioned need to do some prep work before putting the mast in the shed out back.

**HAMFEST 2020**

~Gordy has not picked up the contract from the hotel. He will. Dan paid the deposit.  
~John putting together VE sessions for 2020. He has a date for Field Day. Do it at 11am this time (instead of 1pm). VE session at HamFest at 11am.

**CLUB STATION EQUIPMENT**

~Discussion regarding APRS.  
~Gregg opens up the club room an hour before the meetings for people to use the HF radio, but not many utilize the opportunity. Allan Ostrander (KD8VJD) comes in, and a couple others have.  
~Discussion regarding having a 2 meter radio available for contacts on meeting night.

**ATTRACTING HAMS TO CMARC AND OUR EVENTS/ACTIVITIES**

~Whether there are ListServ emails, Facebook pages, Facebook posts, Facebook groups, redirect everything to our CMARC website for people to have questions answered. Keep it up to date with events and activities. One on-line location with everything, so no information is missed. Everyone promote the website!  
~Dan is willing to be the point person in the next couple months to hit the ListServ, Facebook, etc.  
~When you search on-line for Ham Radio Lansing, we are 1st and 2nd and ARPSC is 3rd.  
~Media Team - Includes photography/videography, PIO, and social media. The Board will come up with expectations/intentions.



### **MEETINGS**

~Stephen Smith (WA8LMF) at the November meeting. Comprehensive Slow Scan TV presentation at next meeting. More on the technical side.

### **CALENDAR**

~CW Sweeps - Began at 2100 UTC today (Saturday, November 2nd) and runs through 0259 UTC Monday, November 4th. 21 contacts so far. New antenna working well.  
~Phone Sweeps - Third full weekend in November (November 16-18, 2019).

### **OLD ANTENNA**

***Motion by Gregg to sell the antenna at the November meeting. second by Don McLain (KB8RAD). All approved. Motion passed.***

Must be present to buy. Gordy will post an announcement on Facebook about selling it.

### **CLASSES**

~Don will ask Tom if he is going to teach a Technician class.  
~Gordy will teach electronics classes corresponding with the Technician classes.  
~Gordy - In talking with Ed Ozer, he mentioned MSU has room and we could do joint classes. Discussion.

### **MISC**

~Michael - Club Open House after the first of the year.  
~Christmas Party - December 13, 2019  
~Board Nominations will close at the November meeting. Gregg may be willing to be nominated again. Can nominate by email up to the November meeting. John is willing to run for Board but doesn't want Treasurer or Secretary. Willing to handle Membership responsibilities. Gordy nominated Dan Dembinski (very motivated to do something on the Board). Dan is willing to be "raffle chair". Discussion of commitment and time - Board members and their families must understand.  
~Have committees to help accomplish things.  
~Carl mentioned it would be nice to consider having a small utility trailer. Haul generator, haul mast, attach mast base permanently, etc. Discussion regarding insurance and what the club is allowed to own if we don't own a vehicle to tow it. We should ask Russ Fitzgerald (N8FZ).

***Motion by Dan Beuchert (WX8MOJ) to close the meeting, second by Don McLain (KB8RAD). All approved. Motion passed.***

Meeting adjourned at 8:29pm.

Respectfully submitted,  
Shannon Ranes (WA2NVK)  
CMARC Secretary

**CENTRAL MICHIGAN AMATEUR RADIO CLUB**  
**MEETING MINUTES**  
**FRIDAY, NOVEMBER 8, 2019**

**Attendance**

Board Members Present: Dan Beuchert (WX8MOJ), Carl Canfield (K8YHH),  
Don McLain (KB8RAD), Shannon Ranes (WA2NVK),  
Gordy Smith (KE8JKS)  
Board Members Absent: Michael Boensch (W8MKB), Gregg Mulder (WB8LZG)  
General Members: 29 Visitors: 4

**Call to Order:** The meeting was called to order at 7:10 pm. Tom Rocheleau (WA8WPI) held the Flag for the Pledge of Allegiance.

**Sign-in Sheets:** Please make sure to sign the sign-in sheets circulating around the room at each meeting. One sheet for members and another for visitors. We use these sheets to keep track of how many people visit us each month.

**Visitors:** Barton Bechtel (N8XQH), Erin (KD8NSU), Katie (Gordy Smith's daughter)

**New Licenses or Upgrades:** Dave Vick (W8ZZX) - VE

**Cards and Flowers Report:** Moment of silence

**Treasurer's Report:** **MOTION:** *Dan Dembinski (KD8YDE) moved to accept the Treasurer's Report as published on the CMARC website, seconded by Don McLain (KB8RAD), approved, and the motion carried.*

- Pay membership dues to Dan B. Dan deposited last month's checks today after work. Not reflected in Treasurer's Report. Someone asked about PayPal and Dan mentioned he doesn't want to set it up and then leave the Treasurer's position, and the next Treasurer not be interested in doing it or not have computer skills.
- LCDRA dues to Michael Boensch. John Winn mentioned will incur additional expenses when move back to MSU tower. Paid electric bill for first time. Don M. mentioned one year Julie and ladies made things and sold them at craft sales.
- ARPSC meeting Monday, November 18, 2019 @ 7pm @ FS#8
  - Mason Veteran's Day Parade - Monday, 11/11/19, Silver Bells - Friday, 11/22/19
  - See Jim Hannahs (KC8QWH) if interested in helping.

**Secretary's Report:** **MOTION:** *Dave Vick (W8ZZX) moved to accept the Secretary's Report as published on the CMARC website, seconded by John Doorhaag (KD8NNQ), approved, and the motion carried.*

**Interesting DX or Other Contacts:**

- John Winn (KE8CYC) - Band conditions on 80 meters for digital were terrible Thursday night, couldn't even hear Saginaw.
- Justin MacAuley (WD8EHT) - Used HackRF and reached the Potterville repeater.
- Gordy Smith (KE8JKS) - Made an HF contact in Tennessee. Got long-wire antenna hooked up and Tim Clay (KC8THC) made contact.
- Steve Lyon (W8RQS) - When band conditions permit, have been receiving FLDigi signals from Ohio.
- CW Sweeps - Chris Ranes (NS8Q) - Last weekend at the club room.
- Phone Sweeps - Chris Ranes/Dan Beuchert - Next Saturday. 4pm-midnight at the club.

### **Old Business:**

- Board Nominations -
  - Clyde Tompkins (K8CPT) - by Gordy Smith
  - Dan Dembinski (KD8YDE) - by Gordy Smith
  - Gregg Mulder (WB8LZG) - by himself
  - Dave Vick (W8ZZX) - by himself
  - Don McLain (KB8RAD) - by himself (**Under 22 Director**)
- Club directories are available.
- Auction of old Mosley antenna. Dan Beuchert gave information about the antenna so everyone knew the issues with it. Began bid at \$20. Steve Lyon (W8RQS) bid and a phone bid. Concern Hams who showed interest at the October meeting are not on Facebook or the ListServ so contacted two of them. A member asked if we could finish the auction after the meeting/speaker so the auction was paused and bidding ended at \$30. After the meeting, the Board agreed the final bid was Steve Lyon at \$30 and contacted Steve to finalize the details.
- 2020 HamFest - Saturday, September 19, 2020 at Okemos Conference Center.
  - Scott Gildamer said could set up a tent in parking lot for GOTA.
  - We have paid half down. \$50 more than this year.
  - Dan D. has talked with vendors and they want to come back. Yaesu asked if there is a comp hotel room for their rep? Gordy will find out cost. ***Motion by John Winn (KE8CYC) to direct this to the Board of Directors. Second by Dave Vick. All approved. Motion passed.*** Justin suggested we take up a collection. Clyde mentioned when he was dealing with vendors like Yaesu, they said you cater to THEM.

### **New Business:**

- Classifieds in SCOPE Newsletter
- AB-577/GRC portable crank up tower / mast donated by Leon Bruner (NT8B). Gordy picked it up with his trailer. Worked with Ed Ozer (W8EO) and Gregg Mulder. 1967.
- Christmas Party at December meeting. Potluck.
- Jeff Flint's (N4ZKS) cousin was ham. Brought box of vacuum tubes.
- Follow up of MSUARC's 100th anniversary - Ed Ozer. Close to 30 people showed up. 160 contacts. Had a Canadian contact and sent two \$1 US bills. Chocolate cake from Costco. Snacks. Good time for all.

***Motion by Dan Beuchert (WX8MOJ) to close Board nominations, second by Don McLain (KB8RAD). All approved. Motion passed.***

**Election counting committee:** John Winn (KE8CYC), Allan Ostrander (KD8VJD), Bob Strobel (KB8DQQ), Carl Canfield (K8YHH), Dan Beuchert (WX8MOJ) (as Board member). No objections.

**Adjournment:** **MOTION:** *With no further business to discuss, John Winn (KE8CYC) moved that we adjourn the meeting, seconded by Don McLain (KB8RAD), approved, and the motion carried.*

The business meeting was adjourned at 8:10 pm.

**Tonight's Presentation:** Stephen Smith (WA8LMF). Slow scan tv.

Respectfully submitted,  
Shannon Ranes (WA2NVK)  
CMARC Secretary

# CLASSIFIEDS

**Gregg Mulder / WB8LZG**  
(517) 646-6257 after 3pm

\$425

**Elecraft K1 HF XCVR Kit**

*UNBUILT, new in box, 4-bands  
with backlight, extras*

\$225

**Ten Tec Argonaut 509 QRP HF  
Transceiver**

*D104 Mic, Speaker, Nice  
Condition, and works fine!*

\$100

**Astatic D104 "Silver Eagle"  
Mic**

*Excellent condition*

\$100

**Vibroplex "Code Warrior"  
Iambic Chrome Paddle**

*Comes with Zebrawood finger  
pieces*

\$75

**LDG 11 Auto Antenna Tuner**

*Covers HF and handles 200 watts*

\$75

**MFJ 949 Manual Antenna Tuner**

*Covers HF and handles 300 watts*

\$45

**American Morse Equip KK1 Kit  
Key**

*Unbuilt!*

**Ed Oxe / W8EO**  
[eaoyer@gmail.com](mailto:eaoyer@gmail.com)

\$90 or Best Offer  
**Alinco DJ-V57T HT**

*Covers 2 meters and 70 cm. Radio  
includes a speaker mic and car  
battery charger. It runs 5 watts  
max and has 200 memories.*

**Gregg Wesley / KD8PA**  
(517) 614-6573

Aluminum Tubing, Masts,  
and other odds and ends  
for antenna building.

**Ed Hude / WA8QJE**  
Cell: (517) 420-7550

\$300

**Icom ID-880H**

*Covers 2m/440 - FM/D-  
Star. It is brand new with  
programming software and  
cable. Excellent condition!*



# CLASSIFIEDS

## From the estate of Al Newell, Jr / KD8DJA.

### **Baofeng UV-3R**

2m and 440 VHF/UHF dual band HT  
Includes all standard accessories in original box.  
Looks like it was never used. **\$20.00**

### **Radio Shack HTX-242 2-meter Mobile**

45 Watts programmable tones and 30 channel memory.  
with manual  
Works great **\$50.00**

### **Micranta 12 volt power supply**

2.5 amp **\$10.00**

### **Kenwood TS-690S HF Transceiver**

auto tune/SSB filter  
Desk mike/hand held mike  
IF232c intrerface  
MFJ 25 amp power supply  
manuals  
Works great  
**\$550 firm**

### **KDK UHF FM-7033 440 Mobile**

don't know a thing about it.  
**\$10.00**

### **National NCX-5 HF Transceiver**

Power supply/speaker  
10-80 meters SSB/CW  
200 Watts PEP  
With manual  
**\$150**

### **Ten-Tec Omni-D**

Complete station including 243 remote VFO,  
645 Electronic key-er, 252 power supply  
Manuals  
Band switch contacts need cleaning  
worked when taken out of service  
Whole station **\$200**

### **For more information contact:**

**Charlie Culton WD8PVS**

**wd8pvs@yahoo.com**

**(517) 512-5503**

# Greater Lansing Nets

The “**Central Michigan Slow Scan TV Net**” meets every Sunday evening from 7:00- 8:30pm on the 145.39 repeater (PL 100 Hz), with Net Coordinator Carl Canfield/K8YHH. EVERYONE is welcome to join in and have fun learning and using this interesting and useful mode of communication. Other digital modes will be explored from time to time. For more information, call Carl at: (517) 755 6627.

The “**Quarter Century Wireless Association Net**” also meets every Tuesday night but at 8pm and on the 146.70 repeater (PL 107.2 Hz), with Net Coordinator Don Tillitson/WB8NUS.

The “**Mid-Michigan Information and Traders Net**” meets every Wednesday evening at 8:00pm on the 145.39 repeater (PL 100 Hz), with Net Coordinator Bob Strobel/KB8DQQ.

**ALL are welcome on these nets, so be sure to check in to show your support. And as with all Nets, 3rd party check-ins are welcome, but must have Control Operator present at check-in time.**

## CMARC Officers and Appointees

### **President**

Michael Boensch, W8MKB

### **Vice President**

Gordy Smith, KE8JKS

### **Treasurer**

Dan Beuchert, WX8MOJ  
[wx8moj@arrrl.net](mailto:wx8moj@arrrl.net)

### **Secretary**

Shannon Ranes, WA2NVK  
[wa2nvk@gmail.com](mailto:wa2nvk@gmail.com)

### **Under 22 Director**

Don McLain, KB8RAD  
(517) 930-7707

### **Director**

Carl Canfield, K8YHH

### **Director**

Gregg Mulder, WB8LZG

### **Cards & Flowers**

Jane Hosford, KC8FSK  
(517) 515-7610

### **Club Contact**

Don McLain, KB8RAD  
(517) 930-7707

### **Club Historian**

William Cote, WD8NYW

### **Antenna Projects Chairman**

Gregg Mulder, WB8LZG

### **Lansing ARPSC Liaison**

Jim Hannahs, KC8QWH

### **Scope Editor**

### **QSL/Awards Manager**

Chris Ranes, NS8Q  
[kc8caj@gmail.com](mailto:kc8caj@gmail.com)  
[cmarcscope@gmail.com](mailto:cmarcscope@gmail.com)

### **Photographer**

Kenneth Hazlett, N8BVV  
(517) 348-5513

**CMARC Calls:  
W8MAA & W8PLP**

## LCDRA Officers and Appointees

### **President**

John Imeson, N8JI  
(517) 449-1517

### **Vice President**

Don Tillitson, WB8NUS  
(517) 321-2004

### **Secretary**

Ron Harger, WD8BCS  
[wd8bcs@arrrl.net](mailto:wd8bcs@arrrl.net)

**Treasurer / Membership**  
Michael Boensch, W8MKB

### **Director**

Jan Bradfield, KC8BFB  
(517) 202-1779

### **Director**

Don McLain, KB8RAD  
(517) 930-7707

### **Repeater Trustee**

Dennis Boone, KB8ZQZ

**LCDRA Call:  
W8BCI**



# Central Michigan Amateur Radio Club

## W8PLP/W8MAA

### Membership Form



For new CMARC applicants: Please complete all sections.

For existing CMARC members: Please include your Name and Call Sign along with only the information you would like changed.

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').

Daniel Beuchert | PO Box 27275 | Lansing, MI 48909-7275

Membership Type		<input type="checkbox"/> New	<input type="checkbox"/> Renewal
<b>Full:</b>	<input type="checkbox"/> Annual Dues: \$20.00 <i>Includes voting rights and an annual subscription to The Scope.</i>		
<b>Associate:</b>	<input type="checkbox"/> Annual Dues: \$5.00 <i>Includes an annual subscription to The Scope but NO voting rights.</i>		
<b>New Licensee:</b>	<input type="checkbox"/> Annual Dues: 1st Year Free		
<b>Under 18:</b>	<input type="checkbox"/> Annual Dues: Free		

Contact Information	
<b>First Name:</b> _____	<b>Last Name:</b> _____
<b>Call Sign:</b> _____	<b>License Class:</b> _____ <b>Phone #:</b> _____
<b>Address:</b> _____	<b>Apt/Unit:</b> _____
<b>City:</b> _____	<b>State:</b> _____ <b>Zip Code:</b> _____
<b>Birthday:</b> _____	<b>Anniversary:</b> _____
<b>Email:</b> _____	<b>Sign up for the List Serv:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No
<small>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.</small>	

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



# Lansing Civil Defense Repeater Association

## Membership Form

For new LCDRA applicants: Please complete all sections.

For existing LCDRA members: Please include your Name and Call Sign along with only the information you would like changed.

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

Contact Information	
<b>First Name:</b> _____	<b>Last Name:</b> _____
<b>Call Sign:</b> _____	<b>License Class:</b> _____ <b>Phone #:</b> _____
<b>Address:</b> _____	<b>Apt/Unit:</b> _____
<b>City:</b> _____	<b>State:</b> _____ <b>Zip Code:</b> _____
<b>Birthday:</b> _____	<b>Anniversary:</b> _____
<b>Email:</b> _____	
<i>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></i>	



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

STAMP

To:

### Activities Calendar



Date	Time	Event	Place
10/3/2019	7:00 PM	VE Session	Lansing Fire Station #44
10/5/2019	6:30 PM	CMARC Board Meeting	The Club Station in Mason
10/11/2019	7:00 PM	CMARC Meeting	The Club Station in Mason
10/21/2019	7:00 PM	ARPSC Meeting	Lansing Fire Station #48
11/2/2019	6:30 PM	CMARC Board Meeting	The Club Station in Mason
11/9/2019	7:00 PM	CMARC Meeting	The Club Station in Mason
12/7/2019	6:30 PM	CMARC Board Meeting	The Club Station in Mason
12/14/2019	7:00 PM	Annual CMARC Christmas Party	The Club Station in Mason