



# THE SCOPE



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

VOLUME 22, ISSUE 1

JAN / FEB 2022

CENTRALMIARC.COM

## GRR NWS Spotting Training Session Annoucement!

This year the Grand Rapids (GRR) National Weather Service (NWS) is offering virtual weather spotter training sessions. This is in place of the in-person training sessions that have been offered in the past. Since these sessions will be live, they are different than the MetEd courses that have filled in as the Skywarn training the last couple years.

Though the training is free, registration is required. There are four sessions that you can attend, though it's suggested to try to attend the training for your region to spread out the demand. If you cannot attend any of these sessions you can still take the MetEd course as a refresher. The Lansing/Jackson area session is scheduled for Wednesday, March 30 at 7pm.

All of the details can be found at the GRR NWS Spotter Training website at:

<https://www.weather.gov/grr/spottertraining>

For any other questions, please reach out to the Lansing / Ingham ARPSC at [info@wc8lan.net](mailto:info@wc8lan.net)

73,  
Daniel Beuchert – WX8MOJ  
Lansing/Ingham ARPSC



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## **MICHIGAN QSO PARTY**

WE ARE LOOKING TO ORGANIZE AN OUTDOOR CLUB OPERATION FOR THE MICHIGAN QSO PARTY. THE LOCATION HAS NOT BEEN DETERMINED YET. IF YOU ARE INTERSTED IN OPERATING, AND HAVE NOT CONTACTED ME, PLEASE SEND AN EMAIL TO: [ceranes@sbcglobal.net](mailto:ceranes@sbcglobal.net)

PLEASE SEE THE FLYER ON PAGE 9 FROM THE EVENT SPONSOR FOR MORE INFORMATION.



### **CMARC OFFICERS**

**PRESIDENT:** Dan Dembinski (KD8YDE)  
**VICE PRESIDENT:** Gregg Mulder (W8GG)  
**SECRETARY:** Shannon Ranes (WA2NVK)  
**TREASURER:** Kelly Fitzgerald (N9PC)  
**UNDER 22 DIRECTOR:** Dan Beuchert (WX8MOJ)  
**DIRECTOR:** Michael Wetzel (W8QF)  
**DIRECTOR:** Gordy Smith (KE8JKS)

### **CMARC APPOINTEES**

#### **MEMBERSHIP CHAIR:**

John Doornhaag (KD8NNQ)

**CARDS & FLOWERS:** Jane Hosford (KC8FSK)

**CLUB CONTACT:** Gregg Mulder (W8GG)

**CLUB HISTORIAN:** Chris Ranes (NS8Q)

#### **ANTENNA PROJECTS CHAIRMAN:**

Gregg Mulder (W8GG)

#### **LANSING ARPSC LIAISON:**

Jim Hannahs (KC8QWH)

**SCOPE EDITOR, QSL/AWARDS MANAGER,**

#### **CLUB STATION MANAGER:**

Chris Ranes (NS8Q)

#### **CLUB PHOTOGRAPHER:**

Kenneth Hazlett (N8BVV)

**W8PLP TRUSTEE:** Chris Ranes (NS8Q)

**W8MAA TRUSTEE:** Dan Harger (WD8BCS)

### **LCDRA OFFICERS & APPOINTEES**

**PRESIDENT:** Dan Beuchert (WX8MOJ)

**VICE PRESIDENT:** Ron Harger (WD8BCS)

**SECRETARY:** Troy Creed (W8TCC)

**TREASURER, MEMBERSHIP CHAIR:**

Michael Boensch (W8MKB)

**DIRECTOR:** Jeff Goeke-Smith (KC8PUN)

**DIRECTOR:** Dawn Beuchert (KD8MWA)

**DIRECTOR:** Jim Hannahs (KC8QWH)

**REPEATER TRUSTEE:** Dennis Boone (KB8ZQZ)

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

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

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

## Treasurer's Report – January 2022

Shannon Ranes / WA2NVK – CMARC Treasurer

<b><u>Beginning Business Checking Account Balance</u></b>	<b>\$6,600.17</b>
Total Monthly Income	\$360.00
Total Monthly Business Expenditures	(\$166.00)
Total Business Checking	\$6,794.17
Petty Cash	\$1.00
Outstanding Checks	(\$0.00)
<b>Sub Total + Petty Cash</b>	<b>\$6,795.17</b>

### **Primary Shared Accounts**

Humphrey's Fund	\$384.68
Club Station	\$19.09
Building Fund	\$260.15
Field Day	\$200.59
<b>Total Net Worth</b>	<b>\$7,659.68</b>

Youth Fund Balance*	\$254.97
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\*Separate from CMARC Funds

### **Notes**

Deposited \$360 Dues.

Paid the \$166 USPS Post Office box rental.

## Treasurer's Report – February 2022

CMARC Treasurer

<b><u>Beginning Business Checking Account Balance</u></b>	<b>\$6,794.17</b>
Total Monthly Income	\$161.20
Total Monthly Business Expenditures	(\$15.89)
Total Business Checking	\$6,939.48
Petty Cash	\$1.00
Outstanding Checks Cashed	(\$40.00)
<b>Sub Total + Petty Cash</b>	<b>\$6,900.48</b>

### **Primary Shared Accounts**

Humphrey's Fund	\$384.69
Club Station	\$19.09
Building Fund	\$260.16
Field Day	\$200.60
<b>Total Net Worth</b>	<b>\$7,765.02</b>
Youth Fund Balance*	\$254.98

\*Separate from CMARC Funds

### **Notes**

Deposited \$105 Dues and \$41.20 Amazon Smile.

Paid \$15.89 for Zoom monthly payment and the last outstanding check was cashed.

## 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/2200499691?pwd=RW9hRVNPaJCTktpNE81WXZUTCt0Zz09>

Meeting ID: 220 049 9691      Password: CMARC2022



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

<https://us02web.zoom.us/j/82349525177?pwd=TIRYTkJNUUNEbnNIWFY5ZlhzVII2QT09>

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

**2022 SCHEDULE OF VE EXAMS**  
Sponsored by the  
“INGHAM COUNTY VOLUNTEER EXAMINER TEAM”

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 at 1435 East Miller Road, Lansing, Michigan 48910 Fire Station #44.

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

Registrations will start a half-hour before testing.

ALL THOSE IN THE BUILDING WILL BE REQUIRED TO WEAR A MASK, NO EXCEPTIONS.  
This is mandated by the City of Lansing.  
Thank you in advance for your cooperation.

John J. Doornhaag  
Ingham County VE Team  
Phone: 517-672-2759  
Email: jdoorn1@hotmail.com

**2022 SCHEDULE OF VE SESSIONS**

**SECOND SATURDAY OF THE MONTH, CHECK-IN AT 10:30AM, TESTING STARTS AT 11:00AM**

January 8th  
March 12th  
May 14th  
July 9th  
September 10th  
November 12th

**FIRST THURSDAY OF THE MONTH, CHECK-IN AT 6:30PM, TESTING STARTS AT 7:00PM**

February 3rd  
April 7th  
June 2nd  
August 4th  
October 6th  
December 1st



# 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

### ARRL Contest Dates – 2022 - 2023

Contest Name	2022 (day of month)	2023 (Day of Month)
<b>JANUARY</b>		
Straight Key Night	1	1
Kid's Day (Jan and Jun)	1	7
RTTY Roundup	8-9	7-8
January VHF Contest	15-17	21-23
<b>FEBRUARY</b>		
School Club Roundup	14-18	13-17
DX Contest – CW	19-20	18-19
<b>MARCH</b>		
DX Contest – SSB	5-6	4-5
<b>APRIL</b>		
Rookie Roundup (SSB)	10	16
<b>MAY (no ARRL events)</b>		
<b>JUNE</b>		
International Digital Contest	4-5	3-4
June VHF Contest	11-13	10-12
Kid's Day (Jan and Jun)	18	17
Field Day (always 4th full weekend)	25-26	24-25
<b>JULY</b>		
IARU HF World Championship	9-10	8-9
<b>AUGUST</b>		
222 MHz and Up Distance Contest	6-7	5-6
10 GHz & Up – Round 1	20-21	19-20
Rookie Roundup (RTTY)	21	20
<b>SEPTEMBER</b>		
September VHF Contest	10-12	9-11
10 GHz & Up - Round 2	17-18	16-17
EME - 2.3 GHz & Up – Wknd 1	17-18	TBA
<b>OCTOBER</b>		
EME - 50 to 1296 MHz – Wknd 2	15-16	TBA
School Club Roundup	17-21	16-20
<b>NOVEMBER</b>		
Nov. Sweepstakes – CW	5-7	4-6
EME - 50 to 1296 MHz - Wknd 3	12-13	TBA
Nov. Sweepstakes – Phone	19-21	18-20
<b>DECEMBER</b>		
160 Meter	2-4	1-3
10 Meter	10-11	9-10
Rookie Roundup-CW	18	17

Comments or questions can be directed to [contests@arrl.org](mailto:contests@arrl.org)



# 2022

## Michigan QSO Party

**What?** Michigan QSO Party

**When?** Saturday, April 16<sup>th</sup>, 2022  
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 16<sup>th</sup> of April!!!!

Look for **NEW Rule Changes** at our new web site:

<http://www.miqp.org/>

Sponsored By: The Mad River Radio Club

# Your Shack Workbench

By Gregg Mulder , W8GG

It's springtime again here in mid-Michigan, and that means project time. Whether your project is an antenna repair or a new kit, you will need a set of tools to help you do the work.

As "Hams," we take pride in assembling and operating our stations. To this end, sometimes we need to fix a rig that's got a problem. This is where having a test bench comes in handy.

Here's the good part. You don't need a lot of money to accomplish most amateur radio-related tasks. Most of the tools are common ones that you already have. Here is the shortlist of the most used tools and equipment for your repair/ test bench.

Tool List: These are the "must-haves."

- Screwdrivers, straight blade, and Phillips
- Wire Stripper
- Needle-nose pliers, Long-nose pliers, and Slip-joint pliers
- Diagonal cutters
- Adjustable wrenches in various sizes
- Socket set, metric, and SAE
- Fine graduated ruler, metric and SAE, Tape measure
- Hobby knife (Exacto), Pocket knife
- Hand drill and drill bits
- Hack saw and blades
- Hammer, Vise, Chisels, sandpaper/emery, super glue
- Soldering iron and solder
- Rosen core and silver solder

Nice extras include power tools.

Drill press, Saber saw, Scroll saw, Rotary tool (Dremel), Sander, and Work light.

Test Equipment for the bench is next. First up is a VOM. (volt-ohm meter). I have several of these in various places in the home. I have digital versions as well as an older analog one. You don't have to get an expensive one. The "cheapies" at Harbor Freight work quite well.

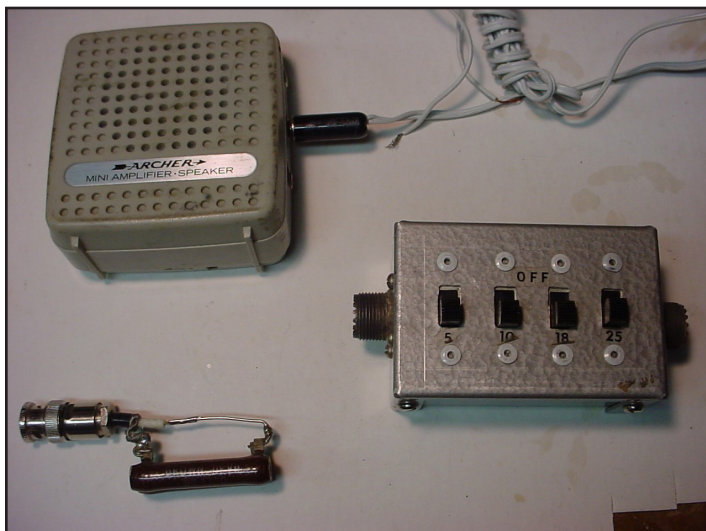


Here is my "bench" at home. Hand tools on the shelf, pwr supply, and soldering station on the left. Drawers for parts and components on the right. Various cables and patch cords are handy.



Soldering station and "tip cleaner"





**The Radio Shack amp, dummy load, and attenuator**



**3 Types of VOM**

Most of the measurements I make are GO No GO anyway. Is there voltage? Is there continuity? Simple tests can often find simple fixes. (like broken switches or burnt fuses.)

The next piece of test equipment I use quite often is a small audio amplifier. These are great for testing Mics, speakers, audio problems, and handy for testing long cable runs, etc. Radio Shack used to sell a self-contained unit (speaker, amp, a battery, all in a small case). These are still seen at swap meets for a buck or two. You can always build your own from an LM386 amp chip, and a handful of parts.

Next, is a power supply. It can be a 12 VDC one or a variable voltage job. Having a ready source of juice for testing is a must. A good substitute would be batteries, but an adjustable power supply can replace many different battery types.

Last up is a simple VSWR meter and Dummy Load". The meters can tell at a glance when something is wrong with a feed line or antenna. They can aid in determining "too long, or too short" when working on antennas. Many times these can be had "for a song." I've seen them at swaps for a buck or less! You can build your own dummy load with just a connector and a 50-ohm resistor.

Other nice pieces of gear are handy for working on antennas. The popular MFJ antenna analyzers are excellent for working on antenna projects. However, they tend to cost more than an SWR meter, which is "simple and cheap."

Many common electrical problems can be identified and cured with these basic tools and equipment. Sometimes it's nice to have some extras.

The following is a list of better test gear. This will take you up to the next step in the troubleshooting ladder.

- A small stereo receiver and speakers.
- Oscilloscope
- Clamp-on amp meter
- RF probe
- Attenuator
- Signal generator
- HF receiver or transceiver

Many of these items can also be purchased on a budget or on the used market. However, I have found that the previous "simple" tools and test equipment will do the job 90% of the time in many cases. So, What's on your workbench? ■

**CMARC BOARD MEETING**  
**SATURDAY, JANUARY 8, 2022 @ 7:00 PM ON ZOOM**

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

Dan D. opened the meeting at 7:00pm.

Dan B.

~ARPSC - Training Net 1-10-22 @ 7pm. Meeting will be WinLink exercise 1-17-22 @ 7pm.  
~LCDRA - Meeting 1-20-22 @ 7pm. Working on a couple of possibilities for the 539. Fundraising once figure out details. Set up PayPal. Jeff Goeke-Smith offered Basecamp project support. Available as an app, on the web, and works with email too

~Building Committee - Reached out to Foster and Maker's Space.

~Tracking hours - Dan B. will record.

~Board positions were decided:

President: Dan Dembinski, Vice President: Gregg Mulder, Secretary: Shannon Ranes,  
Treasurer: Kelly Fitzgerald, Under 22: Dan Beuchert, Directors: Gordy Smith & Michael Wetzel

***Motion by Dan B. to appoint officers as listed above. Second by Michael Wetzel. All approved.***

Will post on Facebook.

~Changes in Nets - Tom will update website. Post on Facebook?

~Meetings - Church is back to in person worship, but still having cases. CMARC Zoom meetings until further notice. Bob Heil speaker in February. Michael W will work with Gordy to setup video equipment and make sure it's setup at the church. 45" TV willing to donate to club (with feet + HDMI).

~Auction of Don McLain's equipment. Could use webcam and offer payment by check or PayPal ([treasurer@centralmiarc.com](mailto:treasurer@centralmiarc.com)). Mention on website. Could be a Silent Auction? Multiple ways to reach us (Facebook, Email, Phone) and a cut-off date/time. Michael W volunteered to look into meeting information, and do the bidding sheets. Hoping March in person - and collect more.

~New debit cards at MSUFCU for President and Treasurer.

~Lending Library - Who run? Kelly mentioned labels (100 for \$77).

~Donation to church - Send letter of thanks now. In person potluck/pig roast in Summer.

~Morning Drive - Dan D. look into 94 repeater?

~Grant writing.

~Equipment.

~Trailer.

~Hamfest.

~Field Day.

~Classes at Foster Center? - Gordy and Tom.

***Motion by Dan D. to end the meeting at 8:38pm. Second by Dan B. All Approved.***

Respectfully submitted,

Shannon M. Ranes (WA2NVK)

CMARC Secretary

**CENTRAL MICHIGAN AMATEUR RADIO CLUB  
GENERAL MEETING  
FRIDAY, JANUARY 14, 2022 ON ZOOM (20 PRESENT)**

Dan Dembinski opened the meeting with the pledge of allegiance at 7:07pm.

***Motion by Michael Wetzel to approve December Board and General Meeting Minutes. Second by Gregg Mulder. Approved by all. Motion passed.***

~~The December minutes were revised, so a new vote will be needed at the February meeting.

***Motion by Kelly Fitzgerald to approve December Financial Report. Second by Michael Wetzel. Approved by all. Motion passed.***

**DX REPORT / INTERESTING CONTACTS**

~Gregg Mulder - QSO with RN1V in St Petersburg, Russia.

~Michael Wetzel - Another mag loop quarter-wave. Still testing it out, works well on 40 meters.

~Ben Barker - 555 POTA so far.

~ Gregg Mulder - RTTY QC Spring is next Tuesday.

**CARDS AND FLOWERS - Shannon Ranes**

~Card to Dan and Vicki Dembinski on passing of Vicki's brother, Mike.

~John Doornhaag's son-in-law passed away this week.

**2022 CMARC BOARD**

~Dan Dembinski (KD8YDE) President

~Gregg Mulder (W8GG) Vice President

~Kelly Fitzgerald (N9PC) Treasurer

~Shannon Ranes (WA2NVK) Secretary

~Michael Wetzel (W8QF)

~Gordy Smith (KE8JKS)

~Dan Beuchert (WX8MOJ) (under 22)

**BUILDING - Dan Beuchert**

~Dan Beuchert gave an update. Currently at West Lansing Church of Christ. Keep fingers in other places. Foster Community Center - possibility of classes. Makers Space. Look for places with community outreach and get foot in the door different places.

**ARPSC - Dan Beuchert**

~Winlink. Training this past Monday and Meeting this coming Monday.

**UNDER 22 - Abby Beuchert**

~Suggested having a booth at the Ingham County Fair (August 1-6, 2022).

~Suggested making an informational app.

~Ben suggested we contact Studio 10 on WILX and see about being interviewed and having a presentation. Advertise.

~Michael Bofysil mentioned schools used to have presentations.



### **LCDRA - Dan Beuchert**

~Meeting this coming Thursday night, January 20, 2022 on Zoom.

~444.125 external controller fried itself. John Imeson is working on it.

### **WINTER FIELD DAY - Chris Ranes**

~Explanation and information. ~Gregg mentioned bonus points if the temperature is lower and lower.

### **UPCOMING MEETINGS**

~Bob Heil presenting on February 11, 2022. Publicize on Facebook as well. Appeals to newcomers and seasoned operators. Worked on Wurlitzer organs, audio with Big Bands. New book coming out.

~Jeff Goeke-Smith presenting LCDRA. Possibly March meeting?

~A couple other ideas were mentioned as well as FEMA was suggested.

### **OLD BUILDING**

~Gordy Smith called Kevin and left a message. He will try to call the new owners (cleanlites.com).

Recycling Center, 1623 Wildwood Ave., Jackson, MI 49202, P. 888-676-0044, F. 517-676-4449

SALES@CLEANLITES.COM

### **AUCTION**

~If anyone has equipment they want to donate to the club to be auctioned off, it is welcome.

~Would like to have the auction in warmer weather. The majority of equipment so far is from Don McLain's estate, with plans for proceeds to be put toward a Lending Library.

### **ZIEGENBEIN AWARD**

~Tom Rocheleau - it's not too early to submit a nomination. Deadline is March 14, 2022.

### **WEBPAGE**

~Tom will be updated with the current nets. Also newer pictures. New banner at the top of each page. How do we want to present ourselves to the public? Pictures of our youth and things going on.

### **FIELD DAY**

~Last full weekend of June.

### **HAMFEST**

~Nailed down location.

~Getting together after February meeting with committee. Contacting other clubs, vendors,

~Gregg Mulder showed this month's QST and RadComm. Almost the exact same covers.

***Motion by Dan Dembinski to close the meeting at 8:22pm. Second by Dan Beuchert.***

***Approved by all. Motion passed.***

Respectfully submitted,  
Shannon Ranes (WA2NVK)  
CMARC Secretary

**CENTRAL MICHIGAN AMATEUR RADIO CLUB**  
**BOARD OF DIRECTORS MEETING - SATURDAY, FEBRUARY 5, 2022 (ON ZOOM)**

PRESENT: Dan Beuchert/WX8MOJ, Dan Dembinski/KD8YDE, Kelly Fitzgerald/N9PC,  
Gregg Mulder/W8GG, Shannon Ranes/WA2NVK, Gordy Smith/KE8JKS,  
Michael Wetzel/W8QF

VISITORS: Dawn Beuchert/KD8MWA, Abby Beuchert, John Doornhaag/KD8NNQ,  
Chris Ranes/NS8Q, Tom Rocheleau/WA8WPI

Dan Dembinski opened the meeting at 7:00pm.

~Sent a letter to West Lansing Church of Christ, thanking them for letting us meet in their building, store some of our club property in their garage, and offer a Summer pig roast.

~Dan Dembinski and Michael Wetzel are going to the church on Tuesday to do a sound check and video in preparation for Friday night's meeting. Will ask about the expectation and possibility of continued storage if a smaller footprint in the garage. The church's expectation was until Spring, but we did not realize that. We have an inventory of most items.

~Discussion regarding storage of club items while we are looking for a new home: container on someone's property, barn on someone's property, trailer, shed, room at a building, etc.

~Building Committee meeting this coming Thursday.

~Dan B - Three-pronged – Meetings, Station, Storage.

~We will meet in person at next Friday night's General Meeting. The church will allow us to be in the sanctuary and use the PA system. The speaker is Bob Heil (K9EID). During the Board meeting, Michael checked with Bob to see if he is ok with us recording the Zoom, and he is. Bob is planning a 7:30pm start time for presentation. We will finish the General Meeting by 7:30, and finish anything afterward if we are not done.

~Need to send a message on ListServ not just post on Facebook.

Discussion regarding a Club Zoom account, instead of using member accounts.

~Online pricing looks like \$200/year for up to 300 people. \$150/year for lower. Gives up to 9 administrators (enough for Board). Discussion regarding number of people we might have on a Zoom.

~Discussed alternatives to Zoom.

~We can record things in the "cloud". Move recordings to YouTube. We'll need someone to record, edit, download. We also need to make it abundantly clear that we let everyone know we are recording.

**~Motion by Dan Dembinski to purchase our own CMARC Zoom account for six months. Second by Gordy Smith. Approved by all. Motion passed.**

**~Motion by Dan Dembinski to record Dave Heil on Friday night. Second by Michael Wetzel. Approved by all. Motion passed.**

~Gordy will purchase the Zoom account since Dan D. does not have a debit card yet. Tom gave the email address to use: [CentralMiARC@gmail.com](mailto:CentralMiARC@gmail.com)

~Discussion about grant writing and people who volunteered to do that.. The ARRL has \$500,000 they are accepting grants for. Grant for trailer as well?

~HAMFEST - Dale Cole offered to help Dan D. with contacts. Tabled until next month.

~FIELD DAY - Dan B. will be sending out info, asking thoughts on Raynor Park, Ingham County Fairgrounds, or elsewhere this year.

~Dan B. said the website is updated with the correct Nets.

**Motion by Dan Dembinski to close meeting at 8:44pm. Second by Michael Wetzel. Approved by All. Motion passed.**

Respectfully submitted,  
Shannon Ranes (WA2NVK)  
CMARC Secretary

**CENTRAL MICHIGAN AMATEUR RADIO CLUB  
GENERAL MEETING MINUTES — FEBRUARY 11, 2022  
15 IN PERSON & 29 ON ZOOM**

Dan Dembinski opened our meeting with the Pledge of Allegiance at 7:00pm.

Interesting DX - Gregg Mulder

***Motion by Dave Vick to approve the January Treasurer's report. Second by John Doornhaag. Approved by all. Motion passed.***

Minutes for the December meeting need to be amended. Approving minutes for the January meeting was overlooked.

Storage space in the garage at the West Lansing Church of Christ needs to be downsized. We can still have meetings at the buildings.

Building committee meeting last night. Looking at another building near Old Town, in Lansing, that is being renovated, and may be a possibility for us to rent a room for station and meetings.

Auction of Don McLain's equipment will be at the March meeting. If anyone wants to donate equipment to CMARC, we'll add to the auction. An inventory list will be sent out.

A Zoom account was purchased by CMARC to be used for meeting, classes, etc.

Winter Field Day stats were given by Dave Vick, Gregg Mulder, and Dale Cole.

Ziegenbein Award Nominations must be submitted by March 14, 2022 to Tom Rocheleau, the head of the Ziegenbein Award Committee.

ARPSC canceled this month's meeting since it is on Valentine's Day. Will meet the following Monday, February 21, 2022 at 7pm. Randy Williams will put together a WinLink presentation. WinLink is how they will expect people to pass traffic.

Summer Field Day - Dan Beuchert is planning to send out a survey to see who is interested in going back to Raynor Park or stay at the Ingham County Fairgrounds.

***Motion by Dave Vick to close the meeting at 7:30pm, to move on to Bob Heil (K9EID), our guest speaker. Second by John Doornhaag. Approved by all. Motion passed.***

Respectfully Submitted,  
Shannon Ranes (WA2NVK)  
CMARC Treasurer

## **Lansing Civil Defense Repeater Association (LCDRA)**

### **Quarterly Meeting Minutes**

Thursday, January 20, 2022

- Our first quarterly meeting of 2022 was held on January 20<sup>th</sup> with a total of 19 attendees. Board members Daniel Beuchert WX8MOJ, Dawn Beuchert KD8MWA, Michael Boensch W8MKB, Jeff Goeke-Smith KC8PUN, Jim Hannahs KC8QWH and trustee Dennis Boone KB8ZQZ were present.
- New officers and Board members were introduced:
  - Daniel Beuchert WX8MOJ as president, Dawn Beuchert KD8MWA as director, and Jim Hannahs KC8QWH as a director.
- Continuing Board members were recognized:
  - Ron Harger WD8BCS as vice president, Michael Boensch W8MKB as treasurer, Troy Creed W8TCC as secretary, Jeff Goeke-Smith KC8PUN as director, and Dennis Boone KB8ZQZ as trustee.
- Membership chair update from Michael Boensch W8MKB indicated that as of the meeting 14 members had renewed for the 2022 calendar year.
  - Members are encouraged to renew their memberships to remain current and continue supporting LCDRA efforts.
  - There was talk about looking into digital membership renewal updates including the possibility of digital membership cards and honor roll listing on our website for interested members and donors.
    - Committee to explore these ideas and ways to streamline membership sign up and renewal was appointed with Michael W8MKB, Jeff KC8PUN, and Dan WX8MOJ.
- Status Updates on Repeaters
  - The 444.125 is offline due to an internal controller failing. John Imeson N8JI has diagnosed the problem and is working to repair the faulty equipment.
  - All other repeaters are in working order.
- Updates on 145.39 Repeater Move Project
  - LCDRA continues to investigate options to relocate the 145.39 repeater to the WKAR tower site in Okemos or other similarly suited high profile locations. Challenges remain with the long-term financial implications with WKAR due to the need to pay for power service and insurance. WKAR costs are estimated at close to \$100 a month.
  - LCDRA continues to investigate if there may be more cost-effective options at WKAR as well as other similarly placed towers with high profile space available.
  - We are planning to move the 145.39 from it's current Pottersville location for a few reasons. John Imeson N8JI, who orchestrated the move to Pottersville, is retiring from Eaton County. Also, the Eaton County ARC has taken their D-Star repeater at the site offline to allow

for better operations and less interference and LCDRA wishes to increase the profile of the 145.39 for public service and Skywarn coverage.

- Transition of Leadership
  - With the retirement of John Imeson N8JI, who has served diligently as LCDRA's president for many years, we are working to transition site access to other LCDRA members to each of the LCDRA repeater sites and equipment.
- Fundraising Opportunities
  - LCDRA has two exciting possibilities for fundraising. The largest one is due to an anonymous donor friendly to our mission coming forward to offer matching donations to LCDRA for the move of the 145.39 repeater to the WKAR tower or a similar location. LCDRA is also in the process of setting up PayPal for an online option for paying dues and donations (one time or recurring).
  - LCDRA is looking to expand membership to more users of the repeaters without raising the dues from \$15 for each individual to promote a broad membership base. We rely on membership dues and donations to address the movement, upkeep, and/or replacement of repeaters and associated costs as needed, which can cost up to \$10,000 for a full removal and replacement of equipment after something like a direct lightning strike.
- Website and Social Media Outreach
  - LCDRA plans to increase information on the website (<https://w8bci.org>) to include more information on repeater status, our mission, and more information about current and future projects. We plan to continue using Facebook (<https://www.facebook.com/LansingMichiganLCDRA>) and the Listserv to promote LCDRA engagements. We also encourage the use of our email [contact@lcdra.net](mailto:contact@lcdra.net) to let us know of anything going on with our repeaters or to ask any questions!
  - Reaching out to local media was brought up by Ben Barker including the daytime WILX program "Studio 10." This program outlines things going on in the community and could be a good opportunity for local daytime TV exposure, especially once we've determined some fundraising goals and procedures. It might be worth looking into other outlets at different local TV and radio stations.
  - There was also discussion about looking into the technical needs to implement messages on LCDRA repeaters that could advertise fundraising efforts, upcoming meetings, etc.
- State Paperwork, Constitution, and Bylaws
  - State non-profit paperwork has changed and only has space to list president, treasurer, secretary, and 3 directors. LCDRA currently has each of those positions plus a vice president.
  - The LCDRA Constitution and Bylaws could use a review to see if they might need to be updated to reflect this requirement from the State of Michigan, as well as to check for any other procedures that may need to be updated.



- Dennis KB8ZQZ, Jeff KC8PUN, and Dan WX8MOJ will form a committee to research these paperwork, constitution, and bylaw issues and be ready to propose any needed changes at the second quarterly LDCRA meeting in April.
- Checking Account Access
  - Treasurer Michael W8MKB noted that Don Tillitson used to have bank account access, but since his passing Michael has been the only member with account access. There was discussion to look into adding a second board member to have access and allowing both the treasurer and the other board member to have debit cards. There was also discussion about drafting official language for the procedure of using the cards, including that any payment or purchase made must be approved by a quorum of the board before any purchase could be made.
  - A motion was made by Jeff Goeke-Smith KC8PUN, seconded by Dennis Boone KB8ZQZ, and approved by all members present for the president, Dan Beuchert WX8MOJ, to have account access.
- Next Meeting April 21
  - We plan to have this meeting on Zoom, but are also investigating when it would be possible to meet in person again at either Fire Station 8 or at another location such as the Foster Community Center.

Sincerely,

Dan Beuchert, WX8MOJ  
LCDRA President

# 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
<b>Full:</b>	<input type="checkbox"/> Annual Dues: \$15.00 <i>Includes voting rights.</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 <i>(Please see above)</i>		

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> _____	
<small>Note: Email is used by club officers to communicate club business and may appear in the club directory for use by club members. <u>LCDRA does not share/sell contact information to other parties.</u></small>	



# Central Michigan Amateur Radio Club

## W8PLP/W8MAA

### Membership Form

For Year (s) \_\_\_\_\_



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

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

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

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

Membership Type	<input type="checkbox"/> New	<input type="checkbox"/> Renewal
<b>Full:</b> <input type="checkbox"/> Annual Dues: \$30.00 <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"/> Current Calendar Year Free <i>(must submit your application within first 30 days of licensure)</i>		
<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
<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	
<b>Newsletter Preference</b> <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>
<b>ARRL Affiliation</b>	<input type="checkbox"/> I am an ARRL member

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

STAMP

To: