



# THE SCOPE



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

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CENTRALMIARC.COM

## Josh Nass, Ham Radio Guru, Delivers Engaging Talk on Parks On The Air

Josh Nass, KI6NAZ, prominent in the ham radio community and creator of the Ham Radio Crash Course on YouTube, was the guest of honor at our club meeting on May 12th. Through a Zoom presentation, Nass enlightened attendees about Parks On The Air (POTA), an interesting aspect of the amateur radio world.

The Ham Radio Crash Course, known for assisting people in obtaining their ham radio licenses and immersing themselves in the hobby, has earned Nass more than 300,000 YouTube subscribers. Nass also maintains an active presence on other platforms like Facebook, Discord, Twitch, and Instagram, further strengthening his community of radio enthusiasts. Apart from being a radio expert, Nass frequently shares his interests in self-reliance and DIY

practices, featuring these topics alongside ham radio news on his bi-weekly Ham Nation show.

The club meeting, attended by members and numerous guests who heard about Nass's appearance, proved to be a rewarding experience. Nass's talk on POTA was insightful, providing a unique learning opportunity from one of the leading voices in ham radio today.

This was a special, one-time engagement with Nass. We hope everyone, whether present in-person or via Zoom, found the event as exciting and informative as we did. Stay tuned for more intriguing guest speakers and discussions in our future meetings.



## Lansing / Ingham ARPSC

Our next meeting is Monday, July 17 at 7pm. We will be having this meeting at the new Ingham County Sheriff's Office (ICSO) justice complex. This will be the first meeting we've had in person since COVID restrictions went in place, and will be the first time we've been at the new ICSO complex. We are excited to see you there! Because we have had a larger number of attendees since we've transitioned to Zoom we plan to maintain the Zoom session for this and future in-person meetings.

As the public service organization overseeing Skywarn and Radio Amateur Civil Emergency Services (RACES), we want to remind everyone that membership is not required for you to attend a meeting, and we encourage any interested hams to attend! Additional meeting information as well as a map to the ICSO location can be found on our website at:

<https://www.lansingarpsc.com/meetings/>

### **Our Zoom information is:**

**Meeting ID: 848 5219 6879**

**Passcode: 601694**

## LCDRA

Our next meeting is this coming Thursday, July 20th at 7pm on Zoom. The LCDRA Board and agents have been working on our project to relocate the 145.39 repeater from Potterville to the WKAR tower at Dobie Rd, a project that has been many years in the making. We have agreed on the license wording with MSU and are working on securing the necessary insurance while we talk with our tower climber about next steps and any additional equipment needs.

We are also continuing to monitor the situation at the old McLaren hospital on Greenlawn and are investigating alternative arrangements for the repeaters housed there when the old hospital sells.

We will have updates on these projects and more at our meeting, and we hope to see you there. Any interested parties are encouraged to attend and membership is not required.

### **Our Zoom information is:**

**Meeting ID: 823 4952 5177**

**Passcode: LCDRA**



### **CMARC OFFICERS**

**PRESIDENT:** Dan Dembinski (KD8YDE)

**VICE PRESIDENT:** Michael Wetzel (W8QF)

**SECRETARY:** Kenny Hazlett (K8NNY)

**TREASURER:** Gordy Smith (KD8JKS)

**UNDER 22 DIRECTOR:** Dan Beuchert (WX8MOJ)

**DIRECTOR:** Kelly Fitzgerald (K8FK)

**DIRECTOR:** Russ Fitzgerald (N8FZ)

### **CMARC APPOINTEES**

#### **MEMBERSHIP CHAIR:**

Dawn Beuchert (KD8MWA)

**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:**

Kenny Hazlett (K8NNY)

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

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

### **LCDRA OFFICERS & APPOINTEES**

**PRESIDENT:** Dan Beuchert (WX8MOJ)

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

#### **TREASURER, MEMBERSHIP CHAIR:**

Michael Boensch (W8MKB)

**DIRECTOR:** Ron Harger (WD8BCS)

**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 Editor reserves the right to address grammar and spelling errors, and to make adjustments to articles as needed in order to fit within the allocated space, while preserving the overall message and readability.

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.

# 2023 CMARC Field Day Recap, Part 1

By Dan Beuchert, WX8MOJ

**F**ield Day was held in Rayner Park the weekend of June 24-25. As everyone involved knows, there was a lot of work done by many volunteers in order to make everything that happened possible – from organization, to equipment, fuel for generators, the generators themselves, food and cooking, expertise, labor, outreach, ideas, and attendance. For everyone that had a hand in Field Day, from being a chair to showing up to check us out, you have my thanks! I've been involved in helping out with Field Day since 2014, and I am always amazed at just how many hams (and interested hams) come out to help and support our operation. It's truly a reflection of what hams can and do accomplish for each other and our community. As promised, after Field Day festivities had concluded I quickly switched to family visit mode and I just returned last weekend, so there will be more to come, but here are a few quick details:

We had over 50 visitors in attendance this year, which is no small number. We operated as 3A, meaning 3 counted

transmitters and emergency power. We had a SSB station, Digital, CW, VHF, and GOTA. The GOTA (Get on the Air) was visited by quite a few interested hams and racked up 10 contacts, with one being Gordy's grandchild! It's always awesome to see the youth get excited after making a contact! There was also lots of action at the other stations. SSB caused a pileup overnight and was able to rack up an impressive 499 contacts. CW worked some magic and topped that with 510. Digital was able to make a respectable 58 contacts using FT-8 in very crowded spaces. We even had a demonstration from an amateur radio licensed drone pilot giving some attendees a virtual ride along. Lots of food was prepared and served and a lot of information was available at our PIO table.

And, of course, the time to start thinking about how to make next year's Field Day even better is NOW! CQFD CQFD this is W8MAA ... ■



Left: Randy (KD8MOK) and Michael (W8MKB) running the Digital station.  
Right: Dan (KD8OIB) and Ron (WD8BCS) trying to get some contacts on 6 meters.

# 2023 CMARC Field Day Recap, Part 1



Club President, Dan (KD8YDE) was the Chief Cook and Bottle Washer.



Kudos to the SSB Station Chair, John (KC8QZB), and the other operators. They sure gave the CW boys a run for their money!

# Field Day 2023 CW Station Recap

By Gregg Mulder, W8GG

**F**ield Day this year was a special one for me. I was still healing from an auto accident and was not sure if I would be able to attend. Fortunately, I was feeling good, and Field Day was just the therapy I needed.

I went out to Rainer Park Friday afternoon to get some lines up in the trees to split the work of the next morning. I packed up the trusty bow n arrow and a box full of twine and rope. Shortly after my first arrow lofted the tree, Dale, K8TS, arrived to help. We soon had one line up, but the 2nd and 3rd lines were fighting us. We lost an arrow to a “hungry” limb way up high but pressed the spare arrow into service and continued on. While working on the next line, the 1st arrow came down. Yeah! I hate to lose an arrow. At 5 pm we finished the 4th line and raised the 40m dipole to test it out. I hauled out the K2 and quickly made a QSO with a New York station. OK, time to quit for the night.

Saturday morning when I arrived the trailer was set up in the field below the lines and ready to go. We unwound the Bruce array and in short order we had it suspended high in the air. Chris NS8Q brought out an EFHW and we pulled it up as a sloper. A quick check of the feedlines and we were ready for action. At the starting bell, we did the 1st six QSOs with solar power on the K2 at 10 watts. With our “solar bonus” QSOs in the log, we switched to “high power” and commenced filling the log. Despite power troubles

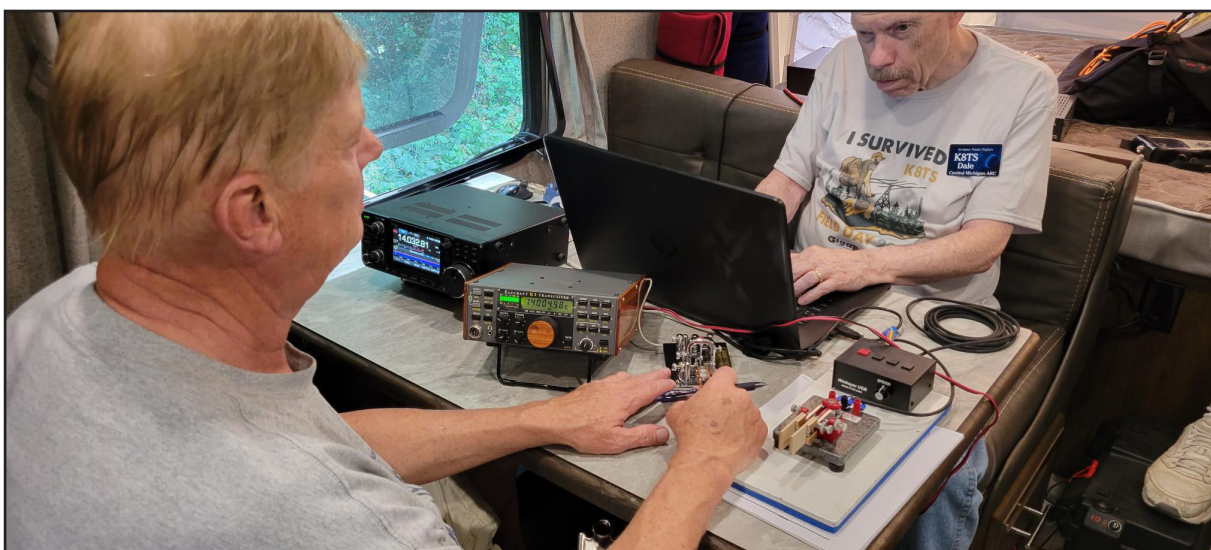
with “goofy” GFI breakers giving the station an occasional pause, things were going perty smooth. We had a couple hundred QSOs and a good lead on the “SSB boys” when I left at dinner time.

When I arrived in the morning, Ron, WD8BCS, was getting back on the air. The night crew on the SSB station was really hot, and they had pulled ahead of us by over a hundred QSOs. WOW, we had work to do to catch up! Well, the propagation and antennas were working well for us, and by the time we powered down, we were up by about 10 QSOs. Total: 510 QSOs, plus er minus 1.

Great time had by all and even had time to chat with old friends. Thanks to all the CW operators who helped out. Also, to the brave “woodsmen” who helped retrieve arrows and lines in the pricklers and poison ivy. Special thanks to Tom, WA8WPI for letting us use his trailer, and Dale, K8TS for supplying the ICOM 7300 to play with.

Compared to the “olden days” of tents and picnic tables, we’ve come a long way! (We really are getting spoiled) hee hee

Another great fun-filled Field Day is in the books! Can’t wait for next year! ■



Gregg (W8GG) running his solar powered K2 at the beginning of FD to give us extra bonus points, while Dale (K8TS) logs.

# CMARC Makes a Splash at INCH Conference in Lansing

By Michael Wetzel, W8QF

CMARC, had a presence at the INCH Conference held in Lansing, leaving a notable impression. Known as Michigan's Inspirational Networking Conference for Homeschoolers (INCH), this three-day event attracted a considerable number of parents and children, establishing itself as a significant gathering for homeschooling families in the state.

Thanks to the efforts of our club president, Dan Dembinski, CMARC secured a prominent spot at the Hands-On Activities Fair exhibit room. Representatives Michael Wetzel and Mike Jackson manned the display table from 9 am to noon, showcasing modern radio equipment.

Amidst the energetic atmosphere of the exhibit hall, CMARC caught the attention of parents and children. Many visitors showed keen interest in exploring the world of ham radio. Notably, the ICOM 7300 and Yaesu FT 891 go kit, accompanied by license manuals, garnered attention. Additionally, our display featured two antennas—a vertical and a 20-meter mag loop. However, the code practice oscillator proved to be the favorite among young attendees.

Throughout the conference, CMARC emphasized its commitment to inspire youth engagement in ham radio. Club members enthusiastically shared their knowledge, sparking curiosity among attendees. Parents, recognizing the value of amateur radio, ensured their children had a chance to experience this captivating hobby. CMARC also made progress by establishing contact with a local scouting program, exploring potential opportunities for presentations at their future meetings.

The INCH Conference proved to be a successful event for CMARC, leaving a lasting impact on attendees of all ages. The club's dedication to promoting radio enthusiasm among the younger generation was evident, fostering genuine interest and passion for ham radio. We express our gratitude to Dan for his careful arrangements and extend our appreciation to Michael Wetzel and Mike Jackson for their unwavering commitment to sharing our beloved hobby.

As CMARC continues to play an active role in the local amateur radio community, we look forward to inspiring even more aspiring radio enthusiasts in the future. ■



# Experience the Thrill of W1AW: Volunteers On The Air Program

By Dale Cole, K8TS

**H**ave you ever dreamed of being the station that everyone calls? Picture yourself behind the mic at W1AW, where an immediate pile-up ensues with hams clamoring to make contact with you! While it may not be on your spouse's bucket list, here's the next best thing: you can use that prestigious call at your home station. It's called Volunteers On The Air (VOTA), a program sponsored by the ARRL. And in October, Michigan stations will have the exhilarating opportunity to operate as W1AW for a week.

The objective of VOTA is to engage with volunteers who contribute to the diverse range of duties performed by the ARRL, such as Section Managers, Club Coordinators, RACES/ARES members, ARRL staff, and more. Alternatively, hams can also work special W1AW/# stations.

Each state has two designated weeks throughout the year during which stations operate as W1AW/# (in our case, W1AW/8). I had the privilege of volunteering during the first week, and let me tell you, it was an incredible experience!

Initially, I signed up to operate SSB on 15 meters for a couple of hours. Little did I know what awaited me. The moment I called out, "CQ, this is W1AW/8, QRZ," it was as if the entire amateur radio community had been eagerly waiting for me. The excitement and joy I experienced during those couple of hours were beyond words. So, I approached the coordinator and requested to operate for a few more hours on a different day. His response? "Go for it." And so I did. The result? Absolutely astonishing!

Though I was only able to contribute a total of five hours split between two different days, those hours were far from wasted. After a whopping 237 QSOs, we had logged contacts with 26 states and 13 countries, including far-flung places like Guam, Italy, Namibia, Mexico, Germany, Canada, and even Cuba. The only continent we missed was Asia. And the best part? They all called me!

Now, if you're eager to experience this thrill for yourself, here's how you can do it. In October, specifically from the 25th to the 31st, Michigan once again gets to use the prestigious call sign W1AW/8. Simply reach out to Lee Dziekan, N8LJ (N8LJ@arrl.net), the coordinator for this event. He will provide you with a sign-up sheet for your desired period. Choose the hours, day, mode (CW, SSB, or Digital), and band you want to operate on. Remember, signing up is essential to secure the call sign.

Don't worry about your license class. Even if you're a Technician, you can still join the fun. Techs can operate on six meters and ten-meter phone or try their hand at FT-8, which sees excellent propagation during the day.

Personally, I thoroughly enjoyed seizing the opportunity to participate in this exciting event, and I'm confident that you will too. All you need is a radio, a wire antenna, and a logging program to create an .adif file. That's it! Join your fellow Michigan amateurs in the fray, engage in conversations with other stations, or work them as they come.

Oh, and one more thing—did I mention that the CQ Worldwide SSB DX contest falls on the same weekend? So, not only will you have the chance to operate as W1AW/8, but you'll also find plenty of DX stations eagerly warming up their gear for the contest.

Got questions? Drop me an email at K8TS@arrl.net. I'll be happy to assist you on this incredible radio adventure! ■



## How Can You Join Us?

*You must become officially licensed* by the FCC (Federal Communications Commission). To do this you attend one of our testing locations (in Lansing we meet once per month).

### There are 3 levels of licenses.

1-Technician (beginning level)

2-General

3-Extra

(Morse Code is no longer required) Exams are offered in each area progressively as you pass each one. There are online course, study manuals, and help from club members for these tests. Once you pass your test, the FCC issues you a specific call sign like KE8RTH.

Now that you have your station license you can find yourself a good radio and get on the air.

*There are currently about 2.7 million hams in the world. About 780,000 are here in the U.S.*



## Interesting Links

- ARRL - The national Association for Amateur Radio: [www.arrl.org](http://www.arrl.org)
- FCC (Federal Communications Commission) For licensing information: [fcc.gov/wireless/universal-licensing-system](http://fcc.gov/wireless/universal-licensing-system)
- Ham radio course (one of many) [hamstudy.org](http://hamstudy.org)
- Our local Lansing club website: [www.centralmiarc.com](http://www.centralmiarc.com) (Central Michigan Amateur Radio Club)
- CMARC Call sign: W8PLP

## Contact Us



### Central Michigan Amateur Radio Club (CMARC)

Our club call sign: W8PLP  
<https://www.centralmiarc.com/>

Check our website for:  
 -Current meeting locations and times and payment links

-Special events

-Our newsletter

-How to join our club

-Awards

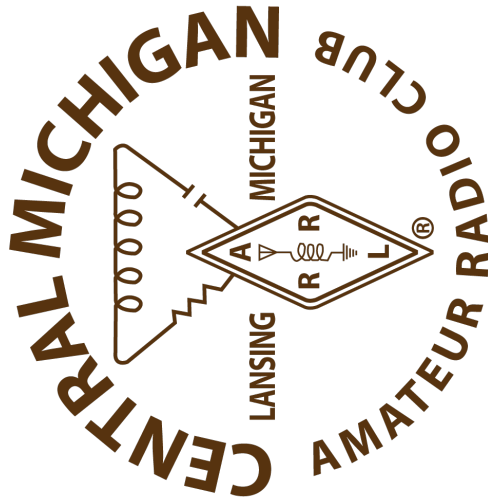
*And so much more!*

### Facebook

Central Michigan Amateur Radio Operators



## Ham Radio Operators



Ham Radio - Since the 1920's



## What is Ham Radio?

### Celebrating Amateur Radio's Contribution to Society



Amateur Radio (ham radio) is a popular hobby and service that brings people, electronics and communication together. People use ham radio to talk across town, around the world, or even into space. It's fun, social, educational, and can be a lifeline during times of need. You can set up a ham radio station anywhere! In a field, at a club station, or at home. Although Amateur Radio operators get involved for many reasons, they all have in common a basic knowledge of radio technology and operating principles, and pass an examination for the FCC license to operate on radio frequencies known as the "Amateur Bands". These bands are radio frequencies allocated by the Federal Communications Commission (FCC) for use by ham radio operators. (From the ARRL website)

Visit our website:  
<https://www.centralmiarc.com/>  
(Central Michigan Amateur Radio Club)

## What Do We Do ?

### *Parks on the Air*

An amateur radio operating program that encourages hams to operate in a variety of parks and public lands as a portable station.



### *Classes*

Periodic classes are offered for such things as antenna construction, electronics, licensing, soldering basics, and more.



### *Hamfest*

Each year we host a rummage sale for hams. Lots of great used ham equipment is offered by individual sellers.

### *Field Day*

Each June we join with hams across the country to set up for a day and communicate with the world from an outside location. The public is welcome.



### *Meetings*

We have monthly meetings open to members and non-members, which include special speakers on Amateur Radio Topics. Refreshments are served.



## Our Groups

**Central Michigan Amateur Radio Club (CMARC)** has an active membership of amateur radio operators. We meet monthly in the Lansing area. Events are planned, reports of activities shared, and special speakers offer interesting topics on ham radio. Refreshments are served and all are welcome, members and non-members. We encourage licensed hams to become members of the club. Our club call sign is: W8PLP

(Check our website for current times and locations)

**Lansing Civil Defense Repeater Association (LCDRA)** supports multiple local repeaters, including the main repeater used by Ingham County for Skywarn weather spotting, allowing for amateurs with handheld and mobile radios to have greatly improved communication range. LCDRA owns, maintains, and operates its repeaters and makes them available for public service and general amateur radio use.

**Note:** A repeater is similar to a relay on a cell tower in our local area.

**Lansing / Ingham Amateur Radio Public Service Corps (ARPSC)** is the local public service group that works with the City of Lansing and Ingham County to help support communications and Amateur Television for events such as Silver Bells, walks, and also Skywarn weather spotting for the National Weather Service. If you are interested in using amateur radio to help the community out, this is an organization to consider!

### **Donations**

Make checks to: Central Michigan Amateur Radio Club or CMARC

Visit our website for current mailing address and payment link:

<https://www.centralmiarc.com/>  
(Central Michigan Amateur Radio Club)

# CLASSIFIEDS

## Shack-Cleaning Sale!

Call Gregg Mulder / W8GG  
517-646-6257 (3 PM to 8 PM Only)  
or  
Email: [wb8lzg@sbcglobal.net](mailto:wb8lzg@sbcglobal.net)

## CW KEYS & KEYERS

Vibro-keyer Standard 1970, tan base, very nice condx. **\$110**

WWII era Lionel J-38 straight key. **\$40**

WWII Signal Electric J-38 straight key. **\$40**

WWII Signal Electric KOB (key on board) with buzzer. **\$40**

CW Special! Wooden finger pieces for your Vibroplex **\$10/set.**

## HF TRANSCEIVER

Yaesu FT817 QRP xcvr with all original accessories. **\$400**

## AMPS & TUBES

Pride Bi-Linear Amplifier 80-10m, 5w in 75+w out. **\$120**

EIMAC New Old Stock 3-500Z power amp tube **\$50**

## ANTENNAS & COAX

Homebrew "80 meter" indoor loop. Approx 6-ft dia copper and cap. **\$40**

TH33Jr triband beam (needs some new plastic trap covers.) **\$75**

All band doublet, 80-10m with 50' of ladder line. **\$30** (\$100 at MFJ)

Approx 200' of RG-9913 coax, still on the reel **\$75 (a steal!)**

## ACCESSORIES

Trueline 50 ohm LOAD 500 watts. 1KW for 60 sec. 1- 999 Mhz **\$50**

SDR receiver homebrew converter and dongle for 1Mhz-1Ghz. **\$20**

Sperry SP152A analog Volt Ohm Meter **\$20**

Astatic D-104 mic. Very nice condx **\$90**

Atlas adjustable desk mic stand, chrome with black steel base. **\$25**

## MISC. PARTS

I also have parts for builders. LOTS of PARTS. stainless steel whips, capacitors, inductors, transistors, resistors, toroids, coils, speakers, cables, plugs, jacks, BNC adaptors, PL239 adaptors, and more.

**Don't pay full price! Call me first.**

## AUDIO

AKAI GX256D reel-to-reel tape deck. Auto reverse. With about 25 tapes. This unit is from the 1970s, Top of the line audio at that time. **\$75**

## GUITARS

Old Sears "Silvertone" electric bass guitar. A classic from '60s **\$100**

CPThornton custom "Professional" #6, hollow-body electric guitar \$2500 yes, that's **\$2500**. They currently go for \$5100 new. This is #6 ever made. FB condx. Very nice music comes from this instrument. w/case

# Lansing Civil Defense Repeater Association Membership Form

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



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 | 2910 Meister Ln | Lansing, MI 48906-9010**

**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: \$20.00 (pro-rated quarterly) <i>Includes voting rights.</i>		
<b>Family Mbrs:</b>	<input type="checkbox"/> Annual Dues: \$10.00 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> _____	
<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 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").

**Dawn Beuchert | P.O. Box 27275 | Lansing, MI 48909**

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



To: