



# THE SCOPE



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

VOLUME 21, ISSUE 8

AUGUST 2021

CENTRALMIARC.COM

## 2020 Ziegenbein Award Winner Announced!!



PHOTO BY: MICHAEL BOYFISIL / KC8ZLQ

**This year's Ladies Night / Ziegenbein Award Picnic  
was held on August 13, 2021 at Valhalla Park North in Holt, MI.**

**It was a good time of food, fellowship, and fun!**

**Dan Dembinski (KD8YDE), won the award. He serves our club with hard  
work and dedication as Vice President and in others areas as well.**

**Congratulations Dan, on a job well done!!**

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## **CMARC OFFICERS**

**PRESIDENT:** Gordy Smith (KE8JKS)  
**VICE PRESIDENT:** Dan Dembinski (KD8YDE)  
**TREASURER:** Shannon Ranes (WA2NVK)  
**UNDER 22 DIRECTOR:** Don McLain (KB8RAD)  
**DIRECTOR:** Kelly Fitzgerald (N9PC)  
**DIRECTOR:** Gregg Mulder (WB8LZG)  
**DIRECTOR:** Michael Wetzel (W8QF)

## **CMARC APPOINTEES**

### **MEMBERSHIP CHAIR:**

John Doornhaag (KD8NNQ)

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

**CLUB CONTACT:** Don McLain (KB8RAD)

**CLUB HISTORIAN:** Vacant Position

### **ANTENNA PROJECTS CHAIRMAN:**

Gregg Mulder (WB8LZG)

### **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:** John Imeson (N8JI)

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

**SECRETARY:** Troy Creed (W8TCC)

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

Michael Boensch (W8MKB)

**DIRECTOR:** Dan Beuchert (WX8MOJ)

**DIRECTOR:** Don McLain (KB8RAD)

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

**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.

# 2021 HAMFEST



AT THE OKEMOS CONFERENCE CENTER BALLROOM

**Saturday, Sept 18th, 2021 - 9 am - 2 pm**

**ADMISSION:** ADULTS AND KIDS: \$5 (5 years old and under: FREE)

• Talk-in: 145.390 tone 100.0 • Free Parking • Handicap Accessible • Convenient Restrooms



*The CENTRAL MICHIGAN AMATEUR RADIO CLUB  
is proud to announce our annual HAMFEST at a **NEW LOCATION**.*

*Sell unneeded gear for extra cash!  
Find that perfect addition for your rig or shack.*

## VE TESTING

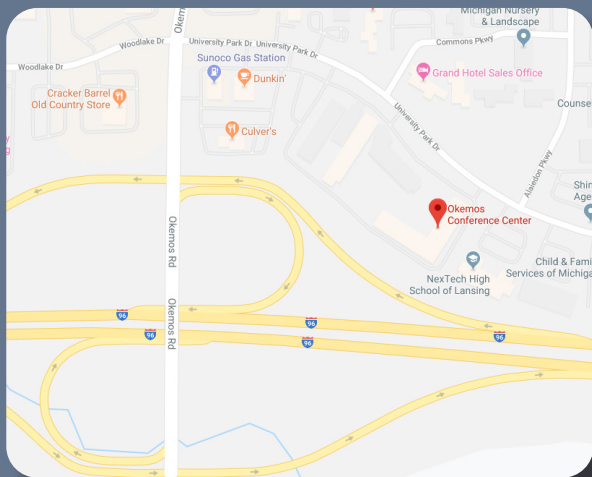
**Technician, General & Extra Exams**

**Testing Fee: \$15**

**Testing Begins: 11:00 am**

*\* No one will be admitted for testing after 11:00 am.*

*\* Be sure to bring your FRN number with you.*



## DOOR PRIZES

**Vendor Spaces (including 2'x6' table):**

**1st Space: \$5 (incl. 1 Paid Admission) •**

**Each Additional Space or Person: \$5**

**Vendor Setup: 7 am - 9 am**

Spaces are limited! Pre-Registration is suggested.  
Registrations, including payment, must be received  
one week prior via Check to guarantee your spot(s).

***SORRY, NO TRUNK SALES ALLOWED!***



**2187 University Park Dr., Okemos, MI 48864**

**FOR MORE INFO OR TO REGISTER:**  
[www.centralmiarc.com/hamfest.php](http://www.centralmiarc.com/hamfest.php)

**CONTACT US:**  
[hamfest@centralmiarc.com](mailto:hamfest@centralmiarc.com)

## Treasurer's Report – July 2021

Shannon Ranes / WA2NVK – CMARC Treasurer

<b><u>Beginning Business Checking Account Balance</u></b>	<b>\$4,339.45</b>
Total Monthly Income	\$255.00
Total Monthly Business Expenditures	(\$108.49)
Total Business Checking	\$4,485.96
Petty Cash	\$1.00
Outstanding Checks	(\$80.00)
<b>Sub Total + Petty Cash</b>	<b>\$4,406.96</b>

### **Primary Shared Accounts**

Humphrey's Fund	\$384.56
Club Station	\$19.09
Building Fund	\$260.09
Field Day	\$408.97
<b>Total Net Worth</b>	<b>\$5,479.67</b>
Youth Fund Balance*	\$254.91

\*Separate from CMARC Funds

### **Notes**

Checking – Deposited \$20.00 Dues, \$5.00 Cookbook.

Paid \$58.49 toward Field Day expenses. Deposited \$230 for Field Day. (*Field Day not yet reconciled, nor funds transferred.*)

Building – \$0.01 interest.

Two \$40.00 memorial checks have not cleared.



## Make a Tax-Deductible Donation.

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

Checks can be made out and mailed to:

CMARC

PO Box 54

Mason, MI 48854-0054.

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

## Upcoming Meetings Held on the Zoom Platform

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

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

Meeting ID: 899 1619 0971    Password: 891964

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

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

Meeting ID: 823 4952 5177    Password: LCDRA

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

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

Meeting ID: 848 5219 6879    Password: 601694

## Call for Nominations:

**2022 CMARC Board of Directors**

**Nominations will close at the November 12, 2021**

**CMARC meeting for three Director positions.**

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

**[board@centralmiarc.com](mailto:board@centralmiarc.com)**

# Ingham Co. Volunteer Examiner Team

## West Lansing Church of Christ

5505 West St Joe Hwy | Lansing, MI 48917

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

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

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



PHOTOS BY: GORDY SMITH / KE8JKS

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

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

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

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



# Custom Woodworking Pieces by Jim Hannahs, KC8QWH

ginhannahs@gmail.com (517) 589-8346

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



Bat House - \$15



Blue Bird House - \$15



Bobbing Head Bird - \$20



Butterfly House - \$20



Large Wheelborrow - \$35



Small Wheelborrow - \$30



Log Cabin Bird Feeder - \$45



Regular Bird House - \$15



Suet Feeder - \$15



Trellis - \$20

PHOTOS BY: GINNY HANNAHS / KD8HPG



# 2020 Ziegenbein Award Picnic



**Left:** Dan Dembinski (KD8YDE) showing off his new award!



**Below - Back Row (L to R):**  
John (KD8NNQ), Tom (WA8WPI), and Shannon (WA2NVK),  
Ziegenbein Committee Members, present Dan with his award.

**Kelly Fitzgerald (N9PC) brought a special 3D puzzle of the Statue of Liberty to the party. Each person had to select five pieces, out of a bag, without looking, when they arrived.**



Mike Wetzel (W8QF) and John Hosford (KC8QZB) work on the puzzle, while John Doornhaag (KD8NNQ) and Ben Barker (WD8OVL) catch up.



Gregg Mulder (WB8LZG) and Mike Wetzel (W8QF) continue working on the puzzle.

PHOTO BY: MICHAEL BOYFISIL (KC8ZLQ)  
(AWARD WINNING PHOTOGRAPHY BY MICHAEL AND STACEY)



# 2020 Ziegenbein Award Picnic



Tom Rocheleau (WA8WPI) and his wife Carolyn, made the evening's flower arrangements.



The flowers were provided by a neighbor of Shannon (WA2NVK) and Chris Ranes (NS8Q).

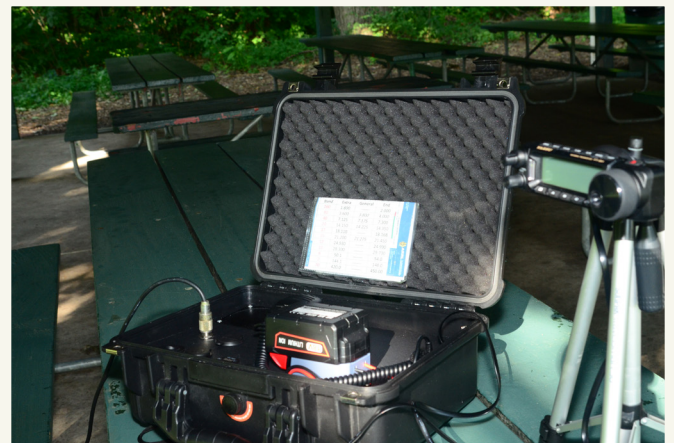


Food preparations underway.

**Thanks to Kelly (N9PC) and Russ Fitzgerald (N8FZ) for planning this year's event. Also a big thank you to Pancho's Taqueria of Grand Ledge for providing our Mexican Burritos! They were delicious!**



Mike Wetzel (W8QF) shows off his HF "Go-Box" and Mag-Loop antenna to Mike Holcomb (WX8MH).



Mike's Yaesu FT-891 is powered off a Lithium Ion battery commonly used with cordless drills.

PHOTO BY: MICHAEL BOYFISIL (KC8ZLQ)  
(AWARD WINNING PHOTOGRAPHY BY MICHAEL AND STACEY)

FLOWER PICTURES PROVIDED BY SHANNON RANES (WA2NVK)



# ARPSC Back In The Field

By Dan Beuchert, WX8MOJ & Jeff Goeke-Smith, KC8PUN

**T**he last two years have been unique, to say the least. As the Amateur Radio Public Service Corps, we provide Amateur Radio support to Emergency Management in Lansing and Ingham County, as well as Skywarn Nets and public service nets. With the effects of COVID-19 Pandemic, many of our activities had been put on hold or canceled until recently.

Over the past year or so we have focused on providing training, keeping prepared for any deployments that might arise and Skywarn. As we transition to life with a new sense of normal, events are coming back. The ARPSC was called to support 420 Cannabis Music Festival at Adado Park on August 13th and 14th. On September 11th we activated for Common Ground Music Festival and provided 3 camera Amateur Television (ATV) support. We will be activated again for the Three Stacks Music Festival at Adado Park in Lansing giving ATV support on September 18th and will again support Silver Bells on November 19th.

If this seems interesting to you, or like something you might be interested in checking out, feel free to join us for any monthly meeting (membership is NOT required) on the third Monday of each month. We are also going to restart our monthly ARPSC Training Net on the second Monday of each month at 7pm on the 145.39 LCDRA repeater. All amateurs are welcome to participate, regardless of ARPSC membership!

Our next training net is Monday September 13th at 7pm on the 145.39 LCDRA repeater. The training portion will be a review our most recent Emergency Management deployments, Skywarn Activations, and Upcoming Events.

Our next Monthly meeting is Monday September 20th and will be held on Zoom at 7pm. This meeting will include an LCDRA presentation and recap/debrief on our recent activations. ■

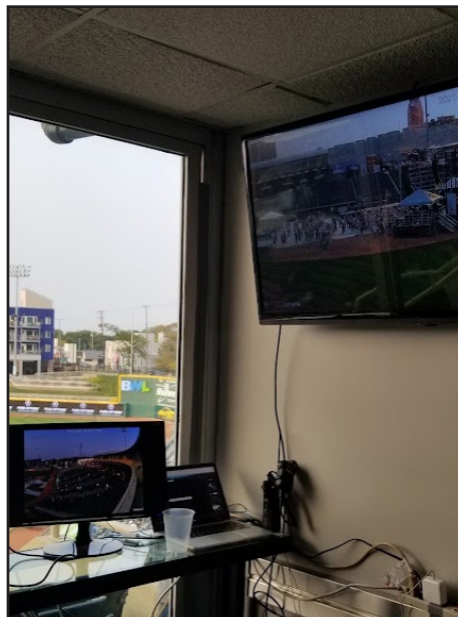
**For more information, please visit the following links, or by subscribing to our mailing list.**

**Website:** <https://lansingarpsc.com>

**Facebook:** <https://www.facebook.com/LansingInghamARPSC>



John Hosford (KC8QZB) with Camera #1.



ATV on monitors setup by Jeff Goeke-Smith - KC8PUN in Command Post



Jim Greiner (KC8KED) at Camera #2.

# LCDRA Update

By Dan Beuchert, WX8MOJ & Jeff Goeke-Smith, KC8PUN

**A**t the last CMARC meeting, Jeff Goeke-Smith KC8PUN gave an update about the current LCDRA situation regarding overall operations and the 145.39 machine in particular.

LCDRA is at a crossroads. There is the opportunity to move the 145.39 repeater back onto the WKAR tower in Okemos at a height of nearly 600 feet thanks to LCDRA president John Imeson N8JI. The 145.39 repeater was located at the WKAR tower until it was taken down during the installation of a new tower on the same site. It was quite expensive to transfer at the time and new agreements needed to be made with MSU Land Management. It has been installed on the Pottersville tower for the last decade rent free and recently has only been operational due to the graces of the Eaton County Amateur Radio group. They have allowed LCDRA to use one of their antennas, taking the D-Star repeater offline, while LCDRA is investigating interference issues. Using separate antennas for receive and transmit reduces the interference.

This brings forward an exciting possibility coupled with a serious need. LCDRA has the permission to move its flagship repeater back to a prime spot at nearly 600 feet, adding to the already substantial footprint. This move, though, comes with some new costs. WKAR

owns the tower and requires all tenants to pay for power and carry insurance. Monthly bills have not been part of LCDRA finances or planning for at least the last 20 years. Current LCDRA membership dues would only cover about half of the projected cost of power and insurance. Even though LCDRA has the current funding to move to WKAR, it can not fund staying on the tower.

This means that we need you. LCDRA is in need of more members and LCDRA is in need of more funding. This being new territory, the Repeater Association is looking for new ways to help fund what could make a staple of the Mid-Michigan Amateur Radio community (the 145.39 repeater) more prominent for years to come. LCDRA operates repeaters that are open and free to use for public service events, Skywarn activations, and general amateur use. Because of this, LCDRA is asking for members to consider giving more, and non-members to consider joining. One-time gifts can help, smaller monthly gifts on a recurring basis could help even more. With enough sustained funding LCDRA can move forward on exciting projects to increase our local communication footprint.

If you have ideas, please let LCDRA know ([contact@lcdra.net](mailto:contact@lcdra.net)) so we can enhance your RF, one repeater at a time! ■



# Working DX That Your Friends Don't Hear

By Gregg Mulder , WB8LZG

**A** new 11-year sunspot cycle is finally on the rise, and I've heard many comments about how nice it would be to work some DX stations again.

I have been fortunate to work many DX stations at the bottom of the cycle. Yet as a QRP (low pwr) operator, I'll also appreciate a few more spots on Ol' Sol. Hopefully making it a bit easier to snag that "rare one" on 15 and 10 meters.

Several of the DX Gang have questioned how I can work so many DX stations with just wire antennas up about 30-35 feet at the apex? Nothing special, just 2 trap dipoles. The 20, 40, 80 meter one runs East-West, so it favors the North-South. The 10, 15, 20 meter one runs North-South, so it favors the East-West paths. I have called other hams on the landline a few times to tell them to "listen up" for the DX station that I just worked, only to find they could not hear them at all.

I began to ponder the differences in our stations. Hmmm, what did I have that was so much better? First of all, the half-wave dipole at a reasonable height (1/4 to 1/2 wavelength) is a VERY efficient antenna. Approaching 98% at resonance. But still just dipoles. Wire, insulators, and fed with about 75' of coaxial cable. So the other guys ????

Many had ground-mounted verticals. Some with very few radials. Not the most efficient antenna. Well, there was the first comparison in my favor. The vertical might get some better results by raising the feed point up above ground level. Say 8 to 10 feet. And, of course, any vertical will "play better" with more radials. I recommend a minimum of 4 per band, but the more, the better.

Many had lower dipoles and off-center fed aerials. (under 25 feet high) The quickest solution for these guys is to get them up in the air. Try to get the center of them up at

least 30 feet. 40 or 50 feet is even better if you have tall trees or finances for a tower. (the change in signals from 25' up to 35' up is dramatic!) Still, others had antenna setups near identical to my own. Some with even more wire length. These I had to "investigate" more carefully. One has a 40' tower and a G5RV. (102' all band dipole) One even had a 40-meter dipole up about 35' and fed with 70 feet of coax. Our stations are only a few miles apart. What was so different? I got down to the feedline. There's where I found the big difference. Most were using RG-58u or RG-8x, some using RG-8.

My station is using LMR600. "The good stuff." Yes, it's the most expensive part of my station. But with the "dB loss/ 100 feet" figures of RG-58u on 28Mcs compared to the LMR600, it's now easy to understand why these other guys aren't hearing the DX. It gets even worse as you go up to 6M, 2M, and beyond. Many times the DX stations are just above the noise level for me. If the other guys are losing a dB or 2 in their coax run, then, of course, they would never hear the DX.

The good coax is VERY pricey, but it's worth every penny in DX dividends. You spent hundreds if not thousands of \$\$ on your transceivers, power supplies, tuners, and other gear for your station. Are you gonna "cheap out" on the coax? Yes, I know. You may have to 2nd mortgage the house, or perhaps have the XYL get a 3rd job! Hee hee, But just Do It! While you're at it, get yourself a decent key too!

The DX awaits! ■



# Operating notes: POTA Saves the Day

By Dan Romanchik, KB6NU

**T**oday, I packed the /P station into the car and headed out to Port Huron's Pine Grove Park. One of the reasons for doing this was to activate the Lightship Huron, which is docked in the St. Clair River, very near where Lake Huron flows into the river. The Lightship Huron was the last operating lightship on the Great Lakes, and served for over 50 years when she was retired in 1970.

The second reason was to participate in the International Lighthouse and Lightship Weekend (ILLW). I've participated in this event several times. Last year, I operated from the Pointe aux Barques Lighthouse. The two years previous, I ventured over to Canada and joined the Elmira (ON) Radio Club (ERC) as they activated the Point Clark Lighthouse.

The third reason was to enjoy the company of members of the Eastern Michigan Amateur Radio Club. They just happened to be holding their annual picnic today.

It's an hour and a half drive from my home in Ann Arbor to Port Huron. I left home just after 9 am, got to Pine Grove Park, which is a beautiful park, by the way, a little after 10:30 am, and got set up by about 11 am, Pine Grove

Park has many tall trees, and it was quite easy to get my antenna up into one.

The weather conditions were perfect. It was sunny and in the low 80s, with a northeaster breeze coming off the lake. Unfortunately, the radio conditions were far from perfect.

Unlike my experience in the ILLW last year, I didn't make a single contact on 20m, despite hearing many strong European stations. They just couldn't hear me.

I had better success on 40m, but the CW portion of the band was pretty dead. I made 4 out of 7 contacts on phone, mirroring my experience a couple of weeks ago at the Pointe aux Barques Lighthouse. And, if it wasn't for POTA activators, I wouldn't have even made those four contacts. All four were activating parks. One was also activating a lighthouse, making that contact my only lighthouse-to-lighthouse contact of the day.

While I was disappointed that I didn't make more contacts, I still had a lot of fun. It was enjoyable being outside, and the folks from EMARC were great company. It's on my calendar to do this again next year. ■



# Activating USA 615 again

By Dan Romanchik, KB6NU

Over the weekend, which just happened to be National Lighthouse and Lightship Weekend, I activated the Pointe aux Barque Lighthouse again. I've been up there several times before, and I never get tired of it. This weekend, I had one great day and one wet day.

On Saturday, I got up there a little before noon. After eating our lunch, I set up my KX-3 and doublet antenna and was on the air by 1 pm. This trip, I set up the antenna as an inverted vee, like I did in Afton, VA three weeks ago. That made the antenna a little easier to set up. Not only that, I made a perfect throw with my weighted tennis ball on the first try.

I thought I'd start out on 20 meters, and made my first contact with WoM, a special event station celebrating the bicentennial of Missouri as a state. That was the only contact I was to make on 20 meters, though. After a few unsuccessful calls, I decided to try 40 meters instead.

My first contact on 40 meters was another special event station, KD3KA. KD3KA was commemorating the first professional baseball game radio broadcast made over KDKA on August 5, 1921, from Forbes Field in Pittsburgh.

I had a lot of success on 40 meters over the next couple of hours, working a couple of POTA stations and then another special event station, W8T. W8T was operating from the the World's Largest Teapot in Chester, WV.

One of the strange things of my outing this time is that I had more luck on phone than I did on CW, even though my output power was only 3 W. I actually made 7 phone contacts, versus 5 CW contacts.

While I was operating, the Pointe aux Barques Lighthouse Society was holding their annual Heritage Festival. At about 4:30 pm, everyone decided to pack it in for the day, so I followed suit. I packed up the radio, but left the antenna in the trees, intending to come back the next day.



Unfortunately, Sunday morning was a rainy one, and it didn't look like it was going to stop. Silvia and I drove over to the lighthouse from our hotel to eat lunch, and because it looked like it was going to continue to rain, I took the antenna down. My bad. The weather cleared up by 2 pm, and I could have gotten a couple more hours of operating in had I not taken down the antenna.

It wasn't a total loss, though. We went to the beach in Port Austin, and I got to take a dip in Lake Huron. ■



**CENTRAL MICHIGAN AMATEUR RADIO CLUB  
BOARD OF DIRECTORS MEETING MINUTES  
SATURDAY, JULY 3, 2021**

Board Members Present: Dan Dembinski (KD8YDE), Don McLain (KB8RAD), Gregg Mulder (WB8LZG), Shannon Ranes (WA2NVK), Gordy Smith (KE8JKS)

Board Members Absent: Kelly Fitzgerald (N9PC)

Guests: Dan Beuchert (WX8MOJ), John Doornhaag (KD8NNQ), Chris Ranes (NS8Q)

Gordy Smith opened the meeting at 7:03 pm.

**WHERE TO MEET FOR GENERAL MEETINGS**

Meet in person? Kevin ok's us to use the current building on a month-to-month basis, but not open-ended use. In person or zoom? Need to thoroughly clean the current building since no one has used it the past year and especially since the water leak. Need to figure out the camera and computer so we can have in person meetings also on Zoom. Gordy will let Kevin know we will not use it this Friday but plan to use it for the August meeting. Need clear communication to members. Some will not see the message. Need to have a sure place, but keep in mind Ingham County requirements of our 501c3. Dennis Dann, Russ Fitzgerald, and Brian Vissers volunteered for the relocation committee, plus Board member, Dan Dembinski, in accordance with our By-laws which say committees need a Board member. Relocation Committee will be assigned to find a location to recommend to Board. Club radio room doesn't need to be same location as meeting location. Suggestion of West Lansing Church of Christ where the VE Team has testing each month. Also have a Grant Writing committee. What does the Board want to spend money on?

**FIELD DAY**

Dan B gave the statistics from Field Day. A success regardless of weather. CW had 433 contacts, 200 contacts by Phone, and Digital had 160 contacts. At least three new members attended.

**BOARD MEMBER RULES SUGGESTION**

A member sent the Board an email with the recommendation that past CMARC Board Presidents not be allowed to serve on the Board and Committees after their term has ended. The Board chose not to affirm this idea. ie. People like Gregg wouldn't be able to serve again after being president. He enjoys serving. We would run out of members to do things.

**HamFest**

Dan B. mentioned the raffle paperwork. We have a radio to raffle. Cost is \$5.00 per person. Tables are also \$5.00 and include one paid admission. Members could have a table at hamfest to sell silent key equipment. Dan D. has contacted and/or sent flyers to DX Engineering, RF Guy, Embroidering, Gold Medal Products, ARRL, MFJ. We'll put information on the ListServ and Facebook.

**LADIES NIGHT/PICNIC**

Still planned for Saturday, 8/14/21. Dan B. left a voice mail for the Mason rep that Ed Hude gave him. Waiting to hear.

**MISC**

~Shannon asked about a speaker for Friday night's meeting. Discussion.

~Dan B. mentioned people to volunteered for committees on our Spring survey.

~Need to get a grant-writing committee going. What Board wants to spend money on?

~Dan D. reminded us people don't see things behind the scenes.

***Motion to close the meeting. All approved. Motion passed.***

Meeting adjourned at 8:13pm.

Respectfully submitted,  
Shannon Ranes (WA2NVK)  
CMARC Treasurer

**CENTRAL MICHIGAN AMATEUR RADIO CLUB  
GENERAL MEETING MINUTES  
FRIDAY, JULY 9, 2021**

**Attendance**

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

Board Members Absent: None

General Members: NS8Q, KE8CYC, KD8VJD, KC8QZB, KD8NNQ, W8MKB, KE8MOA,  
WB8HRO, W8QF, KC0MYP, WB8OVL, WX8MOJ, KD8MWA, KE8QKN,  
WA8WPI, N8UMX, W8ZZX, W8EO, KB8DDQ, Nick J, Boyd Shumaker

Visitors: Theresa Jasko, Justin McAuley, Abby Beuchert

**Call to Order**

- The meeting began at 7:02 pm.
- President, Gordy Smith (KE8JKS) chaired the meeting.

**Sign-In Sheets**

- Treasurer, Shannon Ranes (WA2NVK) took attendance from the Zoom register.

**New Members & Visitors**

- Theresa Jasko and Justin McAuley were in attendance.

**Treasurer's Report**

- It was moved by John Doornhaag (KD8NNQ), supported by VP Dembinski (KD8YDE) to accept the June Treasurer's Report as published in the Scope and on the Club website. Approved by all. The motion carried.
- Shannon thanked everyone who gives to CMARC through AmazonSmile, and explained.

**Secretary's Report**

- It was moved by Dan Beuchert (WX8MOJ), supported by Director McLain (KB8RAD) to accept the June Secretary's Report as published in the Scope and on the Club website. Approved by all. The motion carried.

**Cards & Flowers Report**

- Joel Zackrick (N0KE) passed away 5/2/21. Memorial service 6/27. Card sent to family.
- Dave Held (N8CFM) passed away 6/2/21. Card sent to family.
- Moment of Silence.

**Any Interesting DX or Other Contacts**

- Director Mulder (WB8LZG) mentioned the 13-Colonies Special Event is going on. He also worked four stations on 6-meters using a 40-meter dipole and running 10 watts. Ed Oser (W8EO) mentioned 10-meters is open now. Michael Wetzel (W8QF). Bob Strobel (KB8DDQ) worked Boston on 30-meters.



### **General Announcements**

- **Future Meetings:** We plan to meet at the club station in Mason next month if our building owner allows it. We should come up with a backup plan just in case. We are working on a way to hold a simultaneous Zoom meeting for those not comfortable with meeting in person.
- **50<sup>th</sup> Anniversary:** Today is the 50<sup>th</sup> Anniversary of Dale Cole (K8TS). Congratulations on this monumental milestone!
- **New Board Secretary:** The Board is currently searching for a new Secretary upon resignation of Dave Vick (W8ZZX). Thank you, Dave, for your service to our club!
- **Field Day 2021:** Dan Beuchert (WX8MOJ) gave statistics from this year's event.
- **Hamfest 2021:** VP Dembinski (KD8YDE) gave updates for September Hamfest. He voiced some concern over COVID and the number of vendors not making Hamfests.
- **Ladies Night / Ziegenbein Award Event:** Director Fitzgerald (N9PC) mentioned event planned for Saturday, August 14. Looking at a pavilion in Raynor Park in Mason on Saturday. If others have suggestions of alternative locations, please let her know. Several members gave suggestions during meeting.
- **ARPSC:** Dan Beuchert (WX8MOJ) mentioned WinLink training on Monday, July 12.
- **145.39 Okemos Repeater:** VP Dembinski (KD8YDE) asked for an update with the ongoing interference on the Okemos repeater. Dan Beuchert (WX8MOJ) said there is interference on the SEOC WinLink Station as well. John Winn (KE8CYC) said the SEOC WinLink station has failed, and the node is not working at this time.
- **VE Session & Testing:** The next VE session is Saturday, July 10 at 11am at the West Lansing Church of Christ on W. St. Joe Hwy.
- **LCDRA:** The next meeting for the Lansing Civil Defense Repeater Association will be held on Thursday, July 15, at 7 pm, at the Lansing Fire Station 48 on 815 Marshall St., in Lansing.
- **Committees:** Treasurer Ranes (WA2NVK) thanked those who filled out surveys and said to expect to hear from Board members.

### **Deferred Business:**

- None

### **New Business:**

- None

### **Adjournment:**

- With no further business to discuss, it was Moved by Michael Wetzel (W8QF), seconded by VP Dembinski (KD8YDE) to adjourn the business meeting at 7:53 pm and move to the special presentation of the evening. All in favor. Motion passed.

### **Tonight's Presentation:**

- Director Mulder (WB8LZG) gave a presentation on the four types of antennas the CW station used at this year's Field Day event.

Respectfully submitted,  
Shannon Ranes, WA2NVK  
CMARC Treasurer

# CLASSIFIEDS



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

**\$125**

## **Alinco DJ-V27T**

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

*Purchased new from HRO and never used.*

**Jimmy Dunahoo / KD8IWQ**  
517-743-1604

**\$125**

## **MFJ-989C Versa Tuner V (3KW)**

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

**\$25**

## **Workman SX-144/430 SWR-Wattmeter**

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

**Dan Stockwell / KD8YVA**  
Cell: (517) 775-7750  
[dstockwe52@gmail.com](mailto:dstockwe52@gmail.com)

## **\$250 Package Deal**

### **Icom ID51a DStar HT**

Package comes with the Diamond SRG77CA antenna, wall charger, car charger, Icom microphone, and a car mag mount antenna.

*The best way to reach me is via text message or at the email listed above.*

## **Huge Shack Cleanout Sale!!!**

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

### **Radios and Amplifiers**

**\$1,100**

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

**\$400**

### **Elecraft K1 HF QRP XCVR Kit**

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

### **CW Keys and Keyers**

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

**\$225**

### **Vibroplex "Vibrokeyer Gold" Key**

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

**\$200**

### **Vibroplex "Original Presentation" Bug**

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

**\$150**

### **Vibroplex "Lightning Bug" Standard**

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

**\$50**

### **J-38 Straight Key**

*The real deal! The best starter key you can buy!*

**\$20 each**

### **Little Bugger Keyer**

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

### **MFJ "Grand Master II" Memory Keyer**

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

### **"Tick 4" Keyer**

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

### **Power Supplies**

**\$20**

### **Tripp-Lite Power Supply**

*Supplies 12VDC at 7-Amps. Good for powering mobile rigs from home.*

### **Antennas**

**\$100**

### **TH3jr Tribander for 20-15-10m**

*Oldie but goodie! A small lightweight beam with a big signal! Comes disassembled, but all parts are there. It could use a few new trap seals (available from MFJ).*

**\$50**

### **Hustler HF Mobile Package**

*Comes with fold over base section with spring top, and coils for 40, 20, 15, and 10 meters.*

**\$10**

### **75-meter Hamstick Mobile Whip**

## **Need Two Towers Removed!**

Call Pam Denomme / KB8PSF

Phone: (517)416-1261

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

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

Continued on Page 19

# CLASSIFIEDS

## Huge Shack Cleanout Sale!!!

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

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

### Coax and Connectors

#### \$50

#### **200 FT Hughes Sat. Cable on Reel**

Brand new. RG8 size, 100% shield, solid center conductor, buriable, good up to 5 GHz, very low loss.

#### \$30

#### **200 FT, RG-6**

Full shielded coax in reel out box.

#### \$25 each

#### **150 FT, RG58**

New, old stock, double shielded, solid inner conductor plenum cable.

#### **Box of Connectors**

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

### Accessories

#### \$25

#### **Kodak Z740 5MP Digital Camera**

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

#### **Poly-Phasers with "N" Connectors**

New in bag (\$69.95 new)

#### \$20 each

#### **\*Palomar Engineers RX Noise Bridge**

#### **\*Realistic 30-watt PA Amp**

AC/DC Operation. Comes with PA speaker.

#### \$10 each

#### **\*Weller Soldering "Gun"**

#### **\*Step Attenuator w/ SO-239 Connectors**

#### \$5 each

#### **New Old Stock Ten-Tec TG24**

Enclosures nice box for projects!

### Books

#### \$5 each

#### **Beam Antenna Handbook**

by Bill Orr

#### **VHF Handbook**

by Bill Orr

#### **ARRL Antenna Anthology, 1st Edition**

by The Amateur Radio Relay League

### Electronic Parts for Projects

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

## From the Estate of Dave Hayhurst / K8QH

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

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

### CW Keyer

#### \$20

#### **MFJ Grandmaster Model 282B**

### Antennas

#### \$25

#### **Cushcraft 440 UHF Vertical**

Must be removed from home.

#### \$20

#### **Antenex Compact 2M Mobile**

Comes with mag mount. Only 5" tall.

#### \$15

#### **MFJ 1738 Mobile Antenna**

"On the Glass" type. New in bag.

#### \$10

#### **75-meter Mobile Whip**

It's red! Possible MFJ??

### Accessories

#### \$20 each

#### **Palomar Engineers Model 827**

Digital SWR/PWR Meter

#### **(2) RF Detector Pick-Ups**

Covers up to 1 GHz with "N" connectors

#### **Power Inverter**

Supplies up to 400 watts. Comes with cables.

#### **RTL-SDR Dongle**

Comes with antenna. Is used with free Airspy software.

#### \$10 each

#### **Foot Switch for PTT Contesting**

Comes with 8-foot cord and phono plugs

#### **4:1 Balun (100W)**

Comes inside a waterproof Cantex box.

#### **(2) GE Mobile Speakers**

Tuned for voice.

#### **HAM IV Rotator Control Box**

### Books

#### \$5 each

#### **Hints & Kinks**

by The Amateur Radio Relay

League, 1992 and 1999 Editions

#### **73 Dipole & Longwire Antennas**

by Ed Noll

#### **Gill Cartoon Book**

# Aerial View

## Across

1. 10 kilogauss
6. UA parliament
10. Kludge
14. Kind of socket or tube
15. Ancient OA-lander
16. Competent
17. Improbable dream  
VHF/UHF antenna
20. Achy, as after an  
antenna project
21. Transceiver knob label
22. Part connections
23. Ckt.between IF and AF
24. Suffix with bio- or  
proto-
26. Loud speaker
30. Eye part
31. US hams do it every 10  
years, usually
32. "That's great, friend", on  
CW
33. Be next to
37. What rural hams fancy  
themselves?
40. Feedline badness
41. Baseball stats
42. Symbol in coax specs
43. Go out of your cell area
44. Unidirectional dipole
45. Where all good signals  
go, eventually?
48. Late summer contest
49. Tribander parts
50. Kind of FET
51. They have replaced  
tuning dials in modern rigs,  
often.
55. Improbable dream HF  
antenna
59. K, on phone
60. Elser-Mathes Cup target
61. Look of disdain
62. One meaning of V
63. Switch type
64. They deliver power

1	2	3	4	5		6	7	8	9		10	11	12	13
14						15					16			
17						18					19			
20						21					22			
				23				24	25					
26	27	28	29				30							
31						32					33	34	35	36
37						38					39			
40						41					42			
				43					44					
	45	46	47					48						
49							50				51	52	53	54
55						56	57				58			
59						60					61			
62						63					64			

## Down

1. Narrowest tower sections,  
often
2. EME signal
3. Sirius, for one
4. Emit coherent light
5. Draft pick
6. One's self, on CW
7. Ampere, for one
8. Lots and lots of Hz in the  
old days
9. Word to a doctor
10. Bugs, Roger, Peter, et.  
al.
11. Garfield's middle name
12. Copper often does it
13. Enables, as a transmitter
18. Kind of hunter, in radio
19. Word of regret
23. "See you \_\_\_\_ the log"
24. Univ. teachers
25. Kilo follower
26. Not written
27. W7-land city
28. What this puzzle is  
about, for short
29. Connectors named for  
their shape
30. Italian yagi?
32. One C per V
33. BBs, e.g.
34. E, to a non-ham?
35. Encourage
36. Bygone UA leader
38. It glows amber
39. Part
43. Sometimes causes  
antenna failure
44. Window part, where the  
feedline might come in
45. Group of trees
46. 5 wpm, 70 mph, etc.
47. Eyeball benders
48. Least good
49. Gait faster than a walk
50. QSLs often go via them  
(abbr.)
51. Lead-ins to P
52. Future ham, sometimes
53. Became SK
54. Switching  
semiconductors
56. RX spec.
57. Break, during a long  
contest, say
58. Sig. src.



*The Wexaukee Amateur Radio Club Presents the 61st*

# **Cadillac Amateur Radio and Computer Swap**



*Card  
Checker  
on  
site*

Saturday, September 18, 2021

Doors Open at 8 AM

Admission \$5.00

Cadillac Junior  
High School



*Meetings for  
The UP  
Net*

**Talk In on 146.98  
K8CAD Cadillac Repeater**

*Lots of Vendors*

*Door Prizes*

500 Chestnut Street  
Cadillac MI  
Parking and food at the location

Please check the Wexaukee ARC Facebook page and/or website for updates on COVID-19 restrictions.

Thanks To Our Prize Sponsors



## *The Wexaukee Amateur Radio Club Presents the 61st*

### **Table Information**

Table Rental:  
\$12.00 per 8ft table  
Payment due with reservation  
Table Request Forms Available at  
<http://www.wexaukeearc.org>

Wexaukee Amateur Radio Club  
PO Box 163  
Cadillac, Mi 49601

### **Testing Information**

Testing for all License Classes  
will be held onsite.

**YOU MUST PRE-REGISTER FOR THE  
EXAMS SESSIONS BY EMAILING  
[wa8lkv@arrl.net](mailto:wa8lkv@arrl.net)**

**NO TEST SESSION REGISTRATION  
CAN BE DONE AT THE SWAP**

TEST SESSION 10:30 A.M.

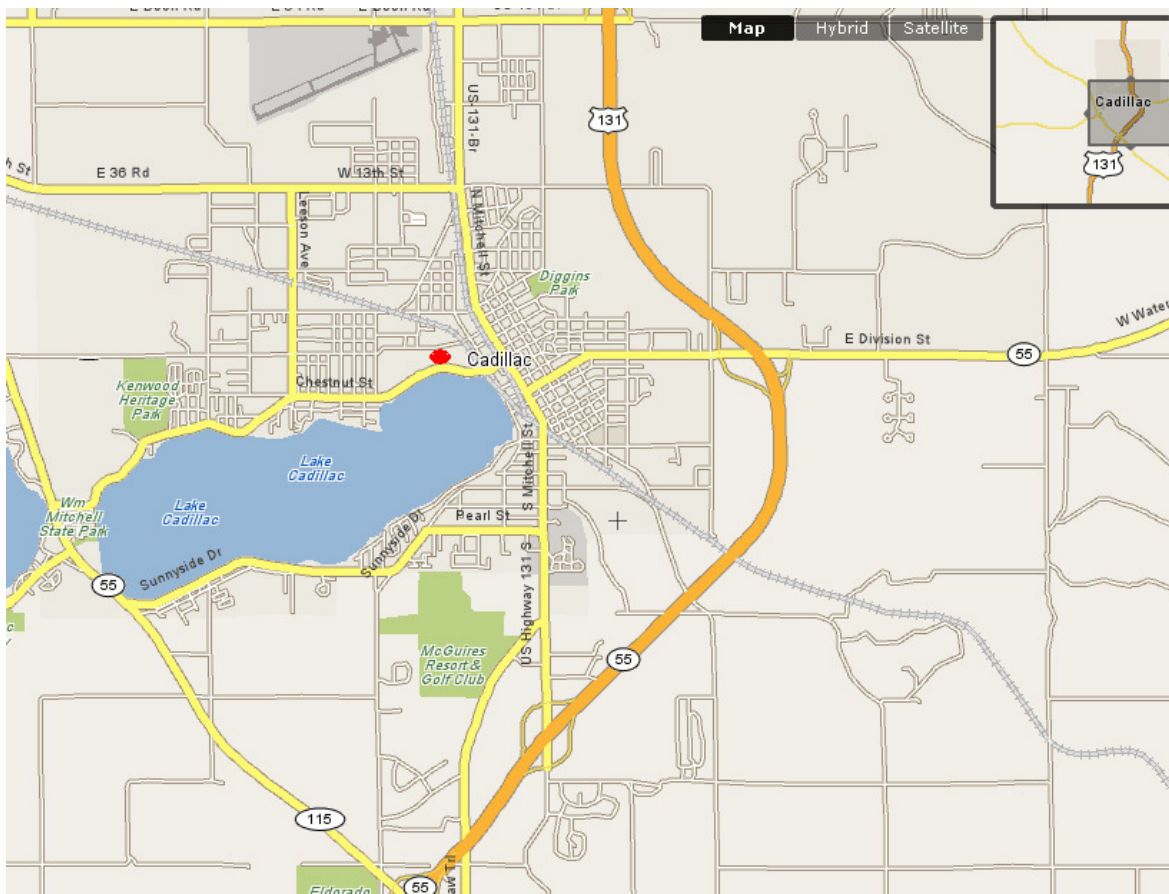
TESTING FEE \$15.00

**LICENSE APPLICATION FEE \$35.00**

SEE THE WEBSITE FOR TEST INFO

<https://www.wexaukeearc.org/>

SEE THE WEBSITE [www.wexaukeearc.org/](http://www.wexaukeearc.org/) for the new FCC testing protocols



# Adrian Amateur Radio Club

Adrian, Michigan

## 46th Annual Hamfest and Computer Show

Sunday September 19, 2021  
8:00 A.M. until the event ends.....



**AT THE  
Lenawee County Airport**

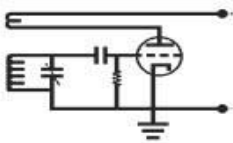
2651 W. Cadmus Rd • Adrian, MI

Tickets \$5.00

8 ft. tables \$10.00 each

Trunk Sale Spots \$3.00 each

**HANDICAPPED PARKING**



**Additional Information Email:  
cqnu8z@comcast.net**

**Table forms are on the web  
www.w8tqe.com**





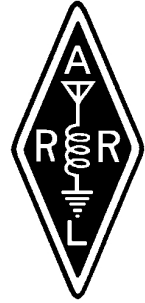


# Central Michigan Amateur Radio Club

## W8PLP/W8MAA

### Membership Form

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



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

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

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

**John Doornhaag | 1165 South Ainger Rd | Charlotte, MI 48813-9540**

Membership Type		<input type="checkbox"/> New	<input type="checkbox"/> Renewal
<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

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

STAMP

To:

August Solution

T	E	S	L	A		D	U	M	A		H	A	C	K
O	C	T	A	L		I	N	C	A		A	B	L	E
P	H	A	S	E	D	D	I	S	H	A	R	R	A	Y
S	O	R	E		X	I	T				L	E	A	D
					D	E	T		P	L	A	S	M	S
O	R	A	T	O	R		I	R	I	S				
R	E	N	E	W		F	B	O	M		A	B	U	T
A	N	T	E	N	N	A	E	F	A	R	M	E	R	S
L	O	S	S		E	R	A	S		O	M	E	G	A
					R	O	A	M		S	L	O	P	E
	G	R	O	U	N	D		W	A	E				
T	R	A	P	S			M	O	S		L	C	D	S
R	O	T	A	T	I	N	G	R	H	O	M	B	I	C
O	V	E	R		M	A	R	S		S	N	E	E	R
T	E	S	T		D	P	S	T		C	O	R	D	S