



The Scope

Central Michigan Amateur Radio Club

Lansing Civil Defense Repeater Association

July 2017
Volume 17
Issue 7

CMARC Field Day Wrap-up and Hamfest Preparations

Well Field Day is now behind us, and hopefully you had enough time to cool off. Please join us for the next CMARC meeting, where we will wrap-up this year's event. This is your opportunity to listen to reports from the Chairman of each station, offer feedback, and to share any stories you may have.

Following the wrap-up, there will time to discuss the upcoming Hamfest at the end of this month. Volunteers are still needed, so if you are available to assist in anyway, please contact Clyde Tompkins/K8CPT. His contact information can be found on the Hamfest flyer.

When: CMARC Monthly Meeting
7:00 pm, Friday, July 14, 2017

Where: Lansing Mason Area Ambulance
Training Facility
807 Kerns Rd., Mason, MI 48854

For more information, you can check out our website at www.centralmiarc.com or get a hold of Club contact Don McLain/KB8RAD at KB8RAD@arrrl.net.



Inside This Issue

Birthdays, Anniversaries, Treasurer's Report , Mtgs	4	Meeting Minutes	12-14
VE Exams	5-6	Classifieds	16-17
Field Day Updates	7-9	Net Info & Officers	18
Dan Romanchik/KB6NU	10		
Novices & DX	11		

ATTENTION ALL CMARC MEMBERS AND VISITORS

In June, we began meeting at our **new location** at the
Lansing Mason Ambulance Training Facility.

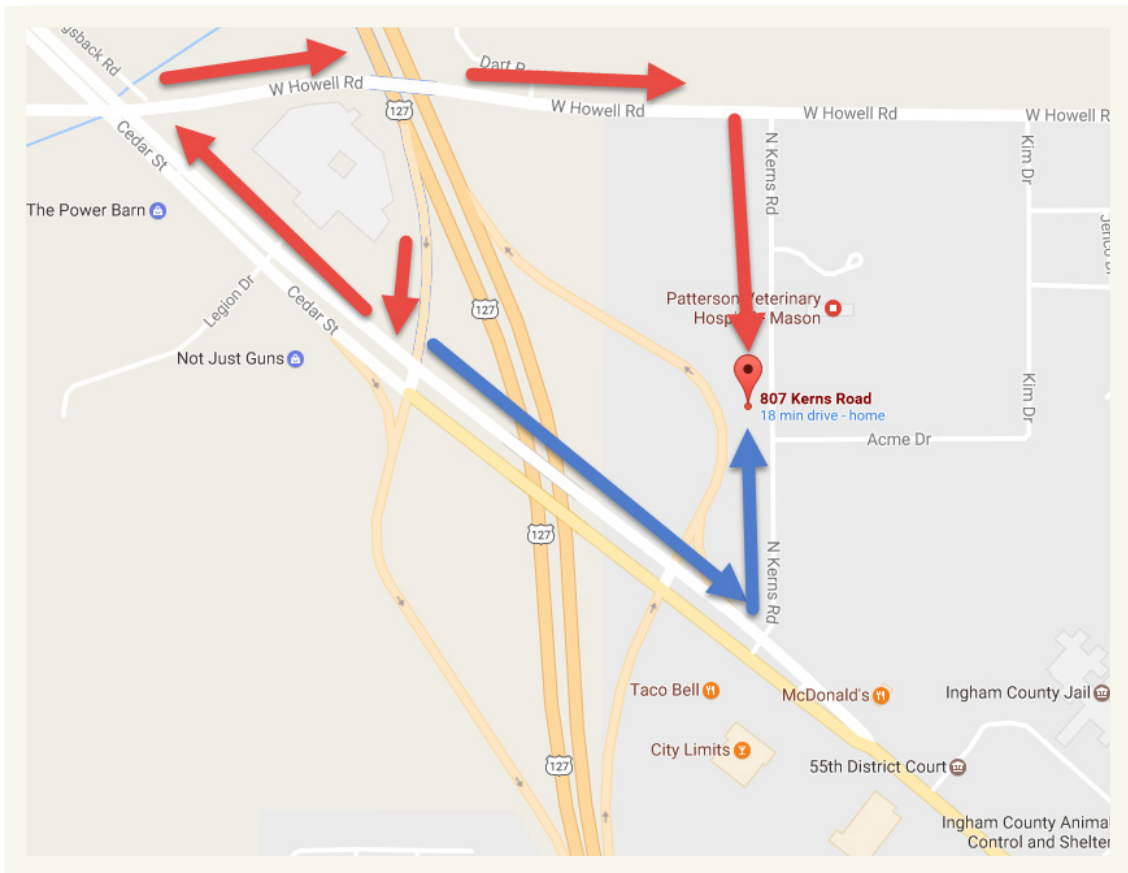
807 Kerns Rd, Mason MI 48854



Coming from the North or South, take Exit 66 (Cedar St./Mason) off US-127.

You can choose to follow the Red route or the Blue route.

When traffic is heavy, the Red route may be the easiest.



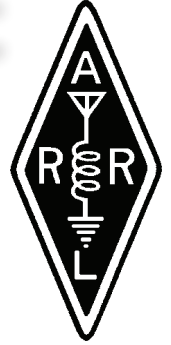
2017 Outdoor Hamfest

Holt Christian Church
2424 Washington Rd. - Lansing, MI 48911

Saturday, July 29, 2017 - 8 am - 1pm

(GPS Coordinates: N 42.652051 W -84.566214)

• Talk-in: 145.390 PL 100.0 • Handicap Accessible • Food & Drinks • Convenient Restrooms



The Central Michigan Amateur Radio Club is Pleased to Sponsor Our Annual Outdoor Hamfest.

*Browse the wares of our featured vendors.
Sell unneeded gear for extra cash!
Find that perfect addition for your rig or shack.*

FLEA MARKET:

Featured Vendors:

Yaesu Fusion Specialists YAESU

RF Adapter Guy

Tennadyne Antennas

VE TESTING:

Sponsored by the "Ingham County VE Group"

Technician, General, & Extra Exams

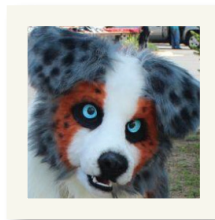
Walk-ins Welcome

HF G.O.T.A. STATION

(Get On The Air)

TYCHO AUSSIE

CMARC's 6'-3" Mascot will be here again this year.



ADMISSION:

Adults: \$5 • 15 & Under Free

VENDORS/SELLERS:

**\$5 per person
(includes 1 trunk space)**

Additional spaces are \$5 each.

Vendor Set-up: 6 AM to 8 AM

DOOR PRIZES:

Prizes include:

Yaesu FT-70DR, \$50 Gift Certificate from DX Engineering, and Gift Certificates from the ARRL.

MORE INFO:

www.centralmiarc.com

CONTACT US:

Clyde Tompkins K8CPT
Phone: 517-927-3801 Email: k8cpt@qsl.net

July Birthdays:

7/3 Joe Norton / KD8ZZL
 7/6 Dennis Dann / KE8ACH
 7/7 John Schuster / KD8VON
 7/7 Joe Urdzela / K8JJU
 7/14 Bill Cote / WD8NYW
 7/17 Carl Canfield / K8YHH
 7/22 Arthur Cherkinsky / WA8BMT
 7/26 Dave Bryon / KD8WBR
 7/30 Doug Goodrich / N8ECL
 7/31 Anthony Parker / KF8IU

July Anniversaries:

7/3 Jerry / KD8GLN and Sharon / KD8HHK Waite
 7/10 Tom / KB8J and Cheryl / KD8QFE Davage
 7/11 Dan Burk / NE8K
 7/22 John Winn / KE8CYC
 7/26 Matthew Taylor / KD8JIA
 7/31 Jean Wixon / K8MUS

Upcoming Meetings:

ARPSC

The ARPSC meeting for the month of June is at 7:00pm on Monday, **July 17th**. We will be meeting at Lansing Fire Station 8 off Marshall Rd South of Grand River. For more information about the ARPSC, please check out our website at www.lansingarpsc.com

LCDRA

The next quarterly meetings of the "Lansing Civil Defense Repeater Association" will be at 7:00pm on Thursday, **July 20th**. We will be meeting at Lansing Fire Station 8 off Marshall Rd South of Grand River.

Treasurer's Report 2017

John Doornhaag / KD8NNQ - CMARC Treasurer

Bank Balances for June	
Beginning Balance	\$2,975.08
Total Monthly Income	\$272.00
Total Monthly Expenditures	(\$322.31)
Total Business Checking	\$2,924.77
Petty Cash	\$1.00
Sub Total	\$2,925.77
Primary Share Accounts	
Humphrey's Fund	\$1,093.90
Building Fund (Club Station)	\$19.09
Field Day	\$530.63
Total Net Worth	\$4,563.39
Youth Fund Balance*	\$254.04
* Separate from CMARC Funds	

Ongoing License Plate Project for the Club Room:

By Russ Fitzgerald / N8FZ

The club is trying to collect as many ham call license plates as possible from our members for a display in the club shack redesign project. Check your garage, shed, or basement and see if you have an old plate kicking around. Year or condition doesn't matter. Can't find one but still would like to participate? No problem. Here's what you do. The State of Michigan will let you order a replacement plate at any time, you do not need to wait for a renewal. All you need is a copy of your license, Amateur Radio Operator form from the state (I have

plenty of these), and a check to the state for \$2.00 for the standard plate or \$7.00 for the graphic bridge plate. When it arrives you use the new plate on your vehicle and donate the old one or donate the new one.

If you have any questions please call 517-899-2622, or email russf2211@aol.com, or see me at the next meeting. I have the forms with me.

ARRL Volunteer Exams



Ingham County VE Group Ingham County VE Group

**Lansing Fire Station #44
1435 E. Miller Rd.
Lansing, MI 48911-5322**

Contact: Don McLain / KB8RAD
(517) 930-7707
KB8RAD@arrl.net

During the EVEN MONTHS, we meet on the
first Thursday of the Month at 7:00 PM.

August 3, October 5, and December 7

**Lansing Fire Station #44
1435 E. Miller Rd.
Lansing, MI 48911-5322**

Contact: Don McLain / KB8RAD
(517) 930-7707
KB8RAD@arrl.net

During the ODD MONTHS, we meet on the second
Saturday of the Month at 11:00 AM.

July 8, September 8, and November 11

Eaton County ARC VE Sessions

**Charlotte Church of Christ
64 Van Sickle Dr.
Charlotte, MI 48813-9999**

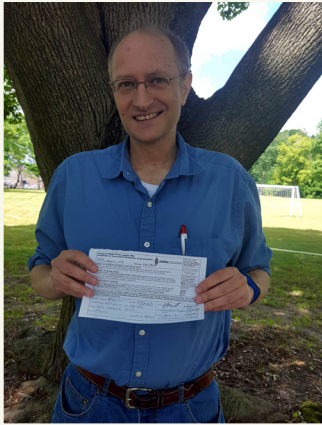
Contact: Mark Korroch / WB8TGY
(517) 645-2378
wb8tgy@yahoo.com

All sessions begin at 12:00 PM and walk-ins are allowed.

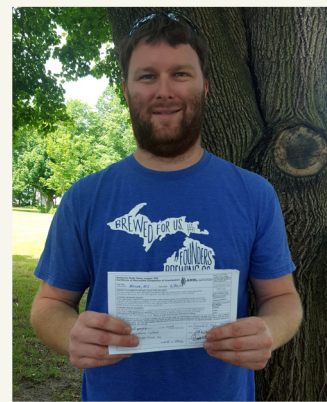
October 14, and December 9

Congratulations to our Successful June Exam Candidates!!

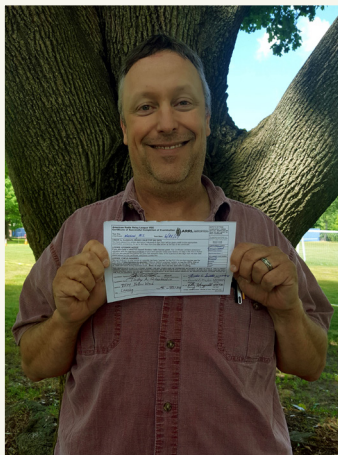
Benjamin Reiter/KD8ZQI from Lansing passed his Extra .



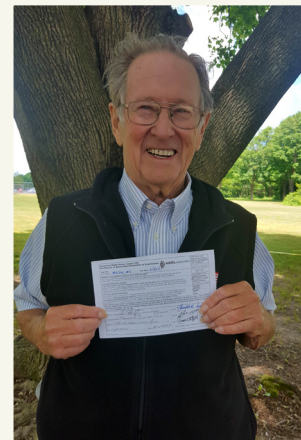
Matthew Lydeen from Kentwood passed his Technician.



Timothy Schuchaskie from Lansing passed his Technician.



Dr. Thomas Slater DDS from Jackson passed his General.



Field Day Report for the CW Station

By Gregg Mulder / WB8LZG



Well, I had the feeling it was going to be a good Field Day this year. We didn't do too much of anything different from last year, but the antennas were installed a bit higher. I arrived at the FD site after dinner, all ready to play "William Tell" and loft some arrows skyward.

However, upon arrival, there were already several lines in the air. With much of the pre-launch work done, I pulled out the 20 meter "Bruce Array" and unwound it from the tube it was rolled up on. Ken Faiver brought along his 340 ft doublet, and between these two aerials, we were ready for bear! With the CW trailer supplied graciously by John Tyree, we were living large!

Cruzed into Rainer Park about 10 am FD morning to find the usual pre-FD hustle-n-bustle as everyone was setting up. I pulled out the solar panel and hooked it up to our gel-cel to charge for our bonus points.

A quick lunch, and station set up, and we were ready to go! I knew it was going to be a good FD from the git go!

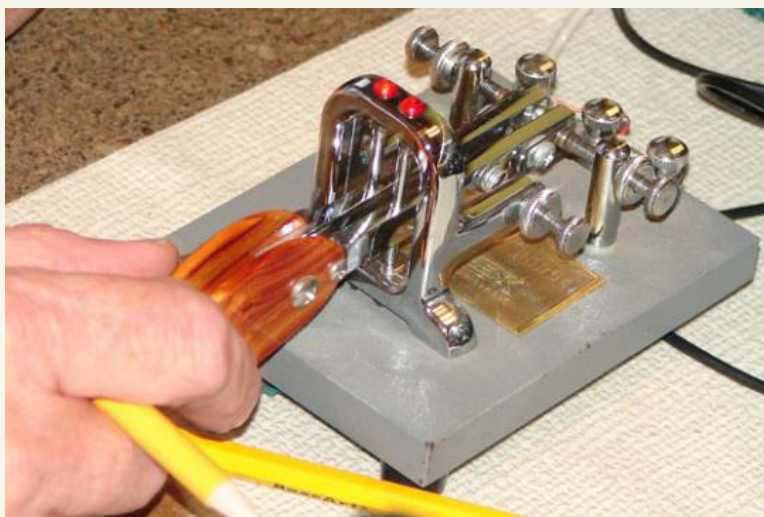
We worked nine solar power QRP QSOs in the 1st nine mins of the contest! My faithful logger Chris "Tonto"

Ranes at the computer! A quick switch to the BIG RIG and the CW station was off to the races! Chris n I have often pondered about just keeping going on QRP as long as the QSOs are coming. But with QRP it IS rough on FD no matter how you slice it, but with our "better n average" antenna farm it's a blast.

I did not stay the evening, but the "trenchermen" were obviously busy, as when I came back in the early morning, they had amassed over 400 QSOs. A bit after some of the "hometown breakfast" we had, I sat down to operate on 15m fer a new band. I was delighted to find it wide open es hoppin! Got my best rate in several years of FD's! Reminded me of my Elmer's fer sure!

(CW FD history lesson) Back in the Old Days, when I was but a lad, or was it lid?, there were many ol time CW men who were very good at their trade. Some will remember, Harold Malke, Ben Hassle, Bill Chapman, Marion Stoner, Phillipe Perault and many others. These were CW MEN! They would all pride themselves on their RATES. That is, doing 1 QSO or more per min for an hour or more. Sometimes many more! So needless to say I was having lots of FD fun! That's what it's all about. We came away with about 595 QSO's, up a bit from last year. Good band condx, and good antennas make a difference for sure, but a big Thank You to the Good Ops who came out to play Field Day! We rolled up the antennas fer yet another year. Packed up the pickup n headed out fer the lone prairie! ■

PHOTOS: KENNY HAZLETT/N8BVV



2017 Field Day Review in Pictures



2017 Field Day Review in Pictures

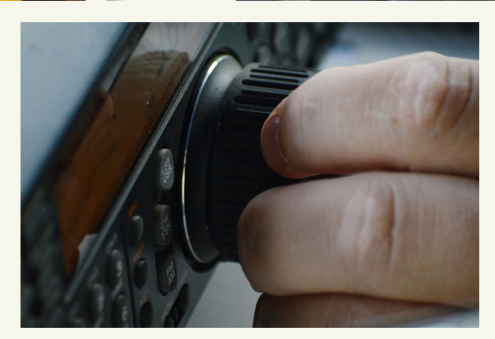
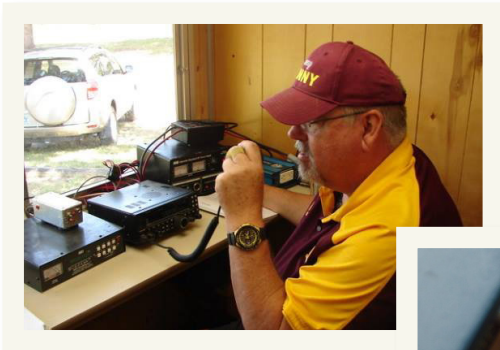


PHOTO: JOHN TYREE / KD6KCX

PHOTOS: KENNY HAZLETT/N8BVV

PHOTOS: SHANAN RANES / WA2NVK

How to Copy CW in Your Head

By Dan Romanchik, KB6NU

Dan Romanchik, KB6NU, is the author of *The CW Geek's Guide to Having Fun with Morse Code* and the *No Nonsense* series of amateur radio study guides. When he's not head copying on 30m, he blogs about amateur radio at KB6NU.Com



The second most common question that I get about CW is, “How do I learn to copy in my head?” When I get this question, I give, what to some, is a very unsatisfying answer. One day, I just went cold turkey. I put down the pencil and paper and never copied letter-by-letter ever again.

Carlo Consoli, IKoYGJ, author of *Zen and the Art of Radiotelegraphy* (http://www.qsl.net/ikoygj/enu/ZART_r20101008m.pdf), says that what operators need to do is to program themselves to copy in their heads. He counsels operators to practice relaxation and visualization exercises. Visualize yourself as a high-speed operator, and maybe one day you will be one.

This approach seems to have worked for Consoli. He is a member of the Very High Speed Club (VHSC), First Class Operator's Club (FOC), and has been clocked at copying over 70 wpm. I'm not sure that this is really going to work for everyone, though.

Another approach is touted by Carl, N7AGK. On his website, Carl writes, “I have created a program to assist you in learning to copy Morse code in your head. Everything you need will be contained on a single USB flashdrive that I will provide to you. In the program there are audio Morse code presentations followed by a visual display. The visual display shows the information in large print and upper case letters. The visual display verifies that you have received the Morse code correctly.” Carl's program costs \$20 and is available from n7agk.com.

Zeb, HB9FXW, has created a free web application called Seiuchy (<http://www.kb6nu.com/let-walrus-help-copy-head/>) to help people learn head copying. Seiuchy, which

Zeb says is Japanese for walrus, simulates on-air contacts. The trick to using this app is that instead of copying exactly what's sent, you only copy the most important bit of information. The idea is that if you train yourself to do this, then you can concentrate on what's important rather than getting bogged down in copying what's not important.

A different take on head copy was sent in by one of my blog readers, Bill, W3MSH. He wrote, “I was a CW op for many years and discovered something fascinating. I first began to hear “dots and dashes”, then letters, words, sentences and at 35+ wpm, thoughts in my head.”

I think Bill may have hit the nail on the head with this comment. I like the idea that copying code in your head is more akin to generating thoughts than it is to copying individual characters or words. Everybody talks about how getting faster is about moving from copying individual characters to copying words to copying entire sentences. I've never thought of it that way, although I was at a loss as to how to describe how I do it. I think the idea that when copying in your head, the code creates thoughts directly is a beautiful way to put it.

Isn't that what's happening when you talk to someone? When someone talks to me, I don't consciously parse the sentences and then analyze them to see what was just said. It's more of an unconscious process. The sounds being uttered are creating ideas in my head.

Shouldn't we approach head copy in the same way? Instead of thinking about head copy as the process of writing down the characters on an internal blackboard to be read later, it should be about translating the sound of the Morse Code directly into concepts. The sounds “dah di dit...dah dah dah...dah dah dit,” should conjure up the image of a poodle or a pitbull, not the letters “D O G.”

How that translates into a program or a method for learning to copy the code in one's head is another matter. It might be worth thinking about, though. ■

Trolling for Novices and DX

By Gregg Mulder / WB8LZG



Ever wander up into the old “novice band”? You know, 7.100Mcs to 7.125Mcs, that part of the old novice band on 40 meters. Well, many a time I’ll spin the dial on up there, just to see who’s on and maybe have some slow code contacts with some of our newer hams. Many higher class licensees will listen

up in those segments just to help a new ham with their code speed. It’s very rewarding to have a QSO at around 8 or 10 WPM knowing that you are guiding the next generation of CW operators to gain experience and speed. Many times, however, I’ll run into another Extra class op doing the same thing, and this has lead to some enjoyable QSO’s. They also believe as I do, that many of the new CW operators need all the help we can give them. Remember when you were first on the air? Many Ol’ timers would go up to the “novice bands” and QRS (send more slowly) just as a friendly way to give some practice to the newcomers in the hobby. All these ops are to be commended for their efforts to bring these “newbies” into the ranks.

What some of you may not realize is that there is a added “unseen” benefit as well. You may just make some new friends, or you may even work some rare DX. “All the DX is down in the extra class subband,” you say. Not necessarily so.

After Field Day was over, I got on the air from W8SH for my daily dose of CW. I listened in on the “extra” slot, and found a few “garden variety” DX stations there, passing out QSO’s. I decided to slide up to the Novice segment to hear if anyone was up there. You never know until you listen. My curiosity was rewarded. I found VK7CW, Steve, in Tasmania, pounding out CQ’s soliciting contacts for the SKCC (Straight key century club). I didn’t have him in the SKCC log yet. So I gave him a call. We had an enjoyable QSO, exchanged SKCC nr #s and signed our 73’s. Great catch! I thought to myself as wrote to info into the log. As I looked him up on QRZ.com, I found, he also was a member of several other clubs to which I belong. Oh well,

there’s always next time, I said to myself.

Well, knowing that hams are creatures of habit, I tuned up to the “novice band” the next morning. Sure enough, there’s VK7CW loud and clear pounding out CQ’s at 6:30 am local, 7.117Mcs. I quickly slid in my call. Yup! He comes right back to me and says, GM OM Greg. So I explained to him that I was also a member of some of the same clubs as he. We then proceeded to exchange some more “club nr#s” and have another FB QSO. We said our 73’s, and I wondered if condx and propagation would let us do this again the next morning. Yes, the next morning, he was there, but a bit weak. I decided to let some of the other hams put him “in the Log,” but gave me a good feeling to know we had some good fun.

Now I know many of you are grumbling,” that W8SH station has all those nice antennas and amps, n all. No wonder the DX is so easy to work. Well, these contacts were made with 80 watts into a trap dipole 20ft above the roof of the Eng. Bldg. Proof that you don’t have to have a mountain of aluminum and a Kilowatt to reap the rewards of good DX. Many times all you need is to be on the air when the other op is, and the DX will come to you! Simple, easy, and FUN.

So, you say you’re in need of some more DX entries in YOUR log? Don’t be afraid to listen up in those old novice band segments once in a while. You may be pleasantly surprised at your next catch! ■

Meeting Minutes

Minutes of the monthly meeting of the Board of Directors of Central Michigan Amateur Radio Club
Held June 3, 2017
At Denny's Restaurant 7330 W Saginaw Hwy, Lansing

The following directors were present/absent (* indicates absence)

Tom Rocheleau/WA8WPI

Russ Fitzgerald/N8FZ

John Doornhaag/KD8NNQ

Chris Ranes/NS8Q

Ted Sadilek/WA8MFQ

Clyde Tompkins/K8CPT

Sam Fitzgerald/N8FPR

Call to Order:

Tom Rocheleau/WA8WPI, President called the meeting to order at 5:41 pm.

Discussions:

1. John/KD8NNQ mentioned there are 358 individuals on the membership roster, 68 of which have paid dues this year. John's suggestion is to keep them on the roster for 5 years without receiving yearly dues from them, and after that time, remove them. The possibility of sending out postcards to invite them to our new location and tell them we miss them was discussed, along with utilizing a mass email. The overall return on investment may not be worth the time, effort, and postage costs. The lifetime members will remain on the list excluding the silent keys.
2. The Board has decided to allow Jerry/KD8GLN to keep his post office box key until the first of the year when we will drop it at that time. The cost of the box has outweighed the amount of mail we actually receive.
3. The Board will send out a thank you letter to Lt. King at the Salvation Army South Corps for allowing us to be there for as long as we were. A second letter will be sent to Major Hellstrom as well.
4. John/KD8NNQ mentioned we normally gave the Salvation Army \$300 a year. He asked if we want to send Kevin a monetary gift showing our appreciation to him for allowing us to use his building. At this point the Board will table the idea and discuss it further at the August Board meeting. Because Kevin runs a business, any money we give will be to cover our electricity and heating costs instead of a typical donation for services the Salvation Army provides.
 - a. It may be better to show our appreciation by mowing the lawn.
 - b. We are going to personally invite Kevin to our first meeting.
5. John/KC8QZB started up the club generator to see if it runs, and things seem to be working just fine for Field Day. Tom/WA8WPI mentioned Randy Williams/KD8MOK will be able to get the State Generator for us to use as well.
6. The Grand Prize for the Hamfest will be the new Yaesu FT-70D Dual-Band Fusion HT.
7. The idea to purchase a new ticket drum for Hamfest was also brought up. The current drum we have is falling apart.
8. Clyde/K8CPT asked if we can set a date to go shopping for all of our food items for Hamfest. We still do not have a chairperson to oversee the Food. We will have our pulled pork again, compliments of Dan/KD8YDE. There will also be hot dogs, an all beef option, and brats from Monticello's. We are going to order the same amount of brats that we have in previous years. Russ/N8FZ has donated the use of his deep freeze to hold buns and leftover meat until the August meeting.

Motions:

1. John/KD8NNQ made a motion that we remove the people who have not paid dues for the last three years, beginning Jan 1, 2017 and working backwards.
 - a. Clyde/K8CPT seconded the motion and the motion passes.
2. John/KD8NNQ made a motion that we write the letter to Lt. King and Major Hellstrom, thanking them for allowing us to be there.
 - a. Russ/N8FZ seconded the motion and the motion passed.
3. John/KD8NNQ made a motion that we make Chris/NS8Q the Chairman of the Tower and Antenna Installation Project.
 - a. Tom/WA8WPI seconded the motion and the motion passes.

Adjournment:

There being no further business, the meeting was adjourned at 7:05 pm.

Respectfully submitted by,

Chris Ranes - Secretary

CMARC Meeting Minutes

June 9, 2017

OPENING:

1. President Tom Rocheleau/WA8WPI opening the meeting at 7:04 pm. There was no Pledge of Allegiance tonight.

ATTENDANCE:

1. 30 Members and 6 Visitors (Maribeth Harger, Mary Tillitson, John Vassel/K8RFD, Mike Baird/N8NBZ, Elliana DiMarzio, and James King/KC8UGV).

A SPECIAL THANK YOU:

1. CMARC would like to extend a special Thank You to Carl Woodard/KE8FQO and Ed Hude/WA8QJE for helping us secure our new facility to hold our meetings and our club station.

APPROVAL OF REPORTS:

1. Treasurer's Report: Paul/KB8YQZ made a motion to accept the Treasurer's Report in the June Scope. Jerry/KD8GLN seconded the motion, and the motion passes.
2. Secretary's Report: John/KD8NNQ made a motion to accept the Secretary's Reports in the June Scope. Ben/WD8OVL seconded the motion, and the motion passes.

NEW LICENSES AND UPGRADES:

1. Kelly Fitzgerald/K9FTZ received her Extra at Dayton.

DX CONTACTS:

1. Gregg Mulder/WB8LZG worked ZF2 with only 5 watts. He mentioned 6m has been wide open since Memorial Day and has made several contracts with a 40m dipole.
2. Chris Ranes/NS8Q worked ZB2 (Gibraltar), TA1 (Turkey), T77 (San Marino), and MD0 (Isle of Man) on 20m.

TOWER & ANTENNA PROJECT:

1. The tower once holding the tri-band yagi, VHF/UHF vertical, and supporting our all-band dipole is setting behind the building where we hold our meetings. Chris Ranes/NS8Q has been appointed by the Board to be the Chairman of the tower installation committee. Work will begin in August after the Outdoor Hamfest.

50/50 RAFFLE:

1. Paul Keefer/KB8YQZ won \$26 and he donated it back to the club. Thank you Paul!

MEMBERSHIP ROSTER:

1. Our Treasurer John Doornhaag/KD8NNQ brought to the attention of the Board that there are several individuals who have remained on the membership roster for several years without having paid any dues. After further discussions, the Board voted to remove people after a period of 3 years for not sending in their due payments.
2. For any person who would like to volunteer at a CMARC event, we require they be a full member. This is strictly for insurance purposes only. If one of our volunteers were to get hurt, the insurance company will ask if the person was a member, and if they are not, they could refuse to cover the individual. John Tyree/KD8KCX has volunteered to help John clean up the membership roster. Any person who has fallen behind in their dues, but would like to volunteer for an upcoming event, will only need to pay for 2017, when they will be considered a full member. As a reminder, our annual dues are \$20 per person. Any new licensees will receive one free year of membership. Individuals who would like to be an associate member, it will cost \$5 and does not come with voting rights. Anybody under the age of 18 will be free.

NEW BOARD MEETING LOCATION:

1. The Board Meetings will remain on the first Saturday of the month, the week before the regular CMARC meeting. However, the location will change from the Denny's restaurant on W. Saginaw Hwy to the new club location in Mason. The meetings will remain open to the general membership for those who would like to address the Board.

CMARC HAMFEST:

1. Clyde/K8CPT is still looking for someone to manage the food position.

NEW BUSINESS:

1. Gregg/WB8LZG made a proposal that we change the meeting time to 7:30 or 8:00 since we have moved out of the City of Lansing, and members may have a hard time making it to Mason on time, especially if they work. The Board will discuss the proposal further and consider all the pros and cons. Dan/WX8MOJ volunteered to create an online survey, which will be distributed to the membership via the ListSERV. A vote on the proposal will take place in the near future.

ADJOURNMENT:

1. With there being no further business, Mike/W8MKB made a motion to adjourn the meeting.
2. John/KD6KCX seconded, and the motion passes.
3. Meeting adjourned at 7:49 pm.

Respectfully submitted by,

Chris Ranes - Secretary

W9DXCC convention (Sept. 15-16)

Dear fellow amateur radio operator and Midwest ham club contact:

It's our hope that you might help us spread the word about the 65th annual W9DXCC DX Convention and Banquet on Sept. 15-16, 2017, in Schaumburg, Illinois. Please consider sharing the following information with your members via e-mail, website or word of mouth:

(May 21, 2017) – Online registration is now available and much of the program is in place for the 2017 W9DXCC DX Convention and Banquet in suburban Chicago. This year's keynote speaker will be ARRL President Rick Roderick, K5UR. The ARRL has approved the gathering as an Operating Specialty Convention. Discounted hotel rooms can also be booked now.

Sponsored by the Northern Illinois DX Association, W9DXCC will also offer Contest University and DX University programs on Friday, with presentations for new and veteran DXers and contest operators. The daylong session on Saturday will feature speakers, exhibits, QSL card checking, a CW pileup contest and many valuable prizes. The evening banquet is a time to relax and enjoy our keynote speaker. For non-ham family members, Woodfield Mall, which offers a wide array of shopping, is one traffic light south of the convention site at the Hyatt Regency Schaumburg, 1800 East Golf Road.

Updates and Registration: <http://w9dxcc.com/>
For more information: John McCormick, K9KE@arrl.net

CLASSIFIEDS

Gregg Mulder / WB8LZG
(517) 646-6257 after 5pm

\$5 Each

Cleaning off the book shelves in the shack. I have the following books available. Many are in "brand new" condition.

Good time to stock your library at a big savings!

- The Joy of QRP by Ade Weiss (autographed copy)
- Your QRP Operating Companion
- The Secret Wireless War by Geoff Pidgeon
- The History of QRP 1924-1960 by Ade Weiss
- Interference Handbook by Nelson
- The Contest Cookbook
- Keys II the Emporium by Dave Ingram
- International QRP Collection by George Dobbs
- Radio Projects for the Radio Amateur Vols 2, 3, & 4

NEW \$800

Complete Yaesu HF station in nice condition. FT-990 Transceiver with CW filter, sharp digital filter, built-in AC power supply, built-in tuner (wide range), built-in keyer, CAT interface, SP8 matching speaker with Timewave599 DSP built-in, hand mic, and the manuals.

NEW \$700
FT-990 Transceiver only

Ed Oxe / W8EO
eaoyer@gmail.com

\$90 or Best Offer

Alinco DJ-V57T HT for 2 meters and 70 cm. Radio includes a speaker mic and car battery charger. It runs 5 watts max and has 200 memories.

Gregg Wesley / KD8PA
(517) 614-6573

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

Ed Hude / WA8QJE
WA8QJE@arri.net

517-676-4480 between 9am and 6pm on Weekdays.

\$150

Icom IC2300H, 2 meter mobile, like new condition, never used mobile with Radio Shack DC power Supply, photocopy of instruction manual included. For more information go on line to Icom website.

\$45

One, DPD Productions, 2 meter Blade Indoor antenna. Rated at 3dbi gain, half wave, 58 inches in height, includes approximately 18 feet of RG8X coax. Has plastic hook that allows it to hang from some types of indoor window or patio door curtain rods. Gently used inside only. For more information go on line to "dpdproductions.com"

Jim Hein / K8UHF
k8uhf@sbcglobal.net

\$675

Icom IC-746 Transceiver HF/6/2 meters, all mode, 100 watts on all bands, includes hand mic HM-36, Voice Synthesizer UT-102, power cable, built-in auto tuner, Owners and Service Manuals, and Original Box.

\$100

Icom IC-SM-8 Desk Microphone, includes two cables, original box, and manual.

\$750

Both Radio and Desk Microphone together.

\$12

Radio Shack 21-533 SWR, Field-Strength Meter, 3-30 MHz, Handles up to 1,000 Watts, Like New with original box and manual.

\$300

PC Electronics ATV Transceiver TC70-20S, 20 watts, includes video generator for playing video from USB, SD Flash Cards, etc., Color Camera and 12vdc power cube, with a Verifocal lens, wall mount, 5" color TV/monitor, will run on AC or DC, cables, and manuals.

\$550

For the entire ATC Transceiver package above plus a Mirage D1010 ATVN Amplifier. 100watt amp, 50 watt average, video output with only 1 watt drive.

CLASSIFIEDS

THE FOLLOWING EQUIPMENT LIST IS FOR SALE. THE EQUIPMENT SALE IS FOR (AAR5CA) - JIM HARVEY'S ESTATE						
MANUFACTURER	EQUIPMENT	DESCRIPTION	SERIAL NO.	YR MANUF.	SALE PRICE	NOTES
KENWOOD	TS-570S	160-6M HF XTR	90400014	2007	\$ 700	
KENWOOD	TS-570D	160-10M HF XTR	60700019	2004	\$ 600	
KENWOOD	TS-480 DSP SAT	160-6M HF XTR	300059	2008	\$ 1,000	
KENWOOD	TR-9000	2M ALL MODE XTR	110344	1982	\$ 195	
KENWOOD	TM-2550A	2M FM XTR	80383	2006	\$ 95	
KENWOOD	TM-D700 (DATA)	144/440 MHZ FM XTR	60100177	2004	\$ 200	
KENWOOD	TH-D72A	2M XTR W/ CHARGER & SPEAKER MIC	B1900040	2013	\$ 335	
KENWOOD	TH-79A	DUAL BAND W/ CHARGER	10900005	1995	\$ 180	
KENWOOD	TH-315A	220 FM XTR	10500038	1990	\$ 65	NO ANTENNA, NO CHARGER, GOOD BATTERY
KENWOOD	SH2P4	SPEAKERS	NA	NA	\$ 10	
ICOM	IC-2200H	2M FM TX, FM & AM RX XTR	510990	2012	\$ 110	
ICOM	IC-2100H	2M FM XTR	66904	2006	\$ 95	
ALINCO	DR-235T	220 FM XTR	T10073	2006	\$ 195	
MIRAGE	B108	2M 10-80W FM-SSB AMP	2397-480	1992	\$ 125	
SCS	PTC II USB	MODEM	NA	2007	\$ 750	
TIGERTRONICS	SIGNALINK USB	AUDIO MODEM	NA	2012	\$ 75	??
TIGERTRONICS	SIGNALINK USB	AUDIO MODEM	NA	2012	\$ 75	
HEIL	HEADSET	HEADSET	NA	NA	\$ 50	ROUGH SHAPE
MFJ	MFJ-941E	VERSA TUNER 2	NA	4/2/1996	\$ 75	

If you are interested in purchasing any of this equipment or would like more information on a specific piece, please contact Geff / N8CE at 517-626-6044 or richard0g@frontier.com. If you are calling Geff, please make sure you are calling from a line that has a name attached to it, and not one that is "blocked". He will not be able to receive the call if you do.

Jason McLaughlin / KC8RBL
(517) 712-0478 or
kc8rrrbk@gmail.com

\$150
 Tytera MD-380 DMR
 Handheld Radio

Brian Monaghan / KC8QWJ
(517) 219-8183

FREE
 (4) 1.2 meter Satellite Dishes

Greater Lansing Nets

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

The “**Ladies Tea Time Net**” meets every Tuesday night at 7:00 pm on the 145.39 repeater (PL 100.0), with Net Coordinator Janine Lieber/KK6GYM.

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

The “**Mid-Michigan Information & Trader’s Net**” meets every Wednesday evening at 7:00pm on the 145.39 repeater (PL 100 Hz), with Net Coordinator Clyde Tompkins/K8CPT.

The “**MSUARC Friends and Info Net**” meets every Thursday evening at 7:00pm on the 145.39 repeater (PL 100 Hz), with Net Coordinator Gregg Mulder/WB8LZG. The first half of the net is time for chatting, while the second half is for Morse Code practice. If you wanted to learn Morse Code, but didn’t know how to go about doing it, then please join us. The speeds are kept down to a minimum, to make it easier to learn.

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

CMARC Officers and Appointees

President / Webmaster
Tom Rocheleau, WA8WPI

Vice President / Youth Liaison
Russ Fitzgerald, N8FZ

Treasurer
John Doornhaag, KD8NNQ
(517) 672-2759

Secretary / Scope Editor
Chris Ranes, NS8Q
(517) 487-8376

Director
Ted Sadilek, WA8MFQ
(517) 881-6093

Director / Salvation Army Liaison
Clyde Tompkins, K8CPT
(517) 927-3801

Under 22 Director
Sam Fitzgerald, N8FRP

Cards & Flowers
Jane Hosford, KC8FSK
(517) 515-7610

Club Contact
Don McLain, KB8RAD
(517) 930-7707

Club Historian
William Cote, WD8NYW

Antenna Projects Chairman
Gregg Mulder, WB8LZG

Lansing ARPSC Liaison
Jim Hannahs, KC8QWH

QSL/Awards Manager
Don DeFeyer, KC8CY
(517) 641-4533

Photographer
Kenneth Hazlett, N8BVV
(517) 348-5513

CMARC Calls:
W8MAA & W8PLP

LCDRA Officers and Appointees

President
John Imeson, N8JI
(517) 449-1517

Vice President
Don Tillitson, WB8NUS
(517) 321-2004

Secretary
Ron Harger, WD8BCS
wd8bcs@arrl.net

Treasurer
Jeff Oberg, KB8SXX

Director
Jan Bradfield, KC8BFK
(517) 202-1779

Director
Don McLain, KB8RAD
(517) 930-7707

Director / Membership Chair
Michael Boensch, W8MKB

Repeater Trustee
Dennis Boone, KB8ZQZ

LCDRA Call:
W8BCI

The Scope is a monthly joint publication of The Central Michigan Amateur Radio Club and the Lansing Civil Defense Repeater Association. Please send all articles, classified ads, or other information to the editor, Chris Ranes, NS8Q, at cmarcscope@gmail.com.

The deadline for each issue is midnight on the 20th of the preceding month.



Michigan International Speedway, Brooklyn, MI

October 7 & 8, 2017

Indoor Commercial Vendors
Huge Paved Flea Market
Loads of Parking
KB6NU's One-Day Tech Class
Great Food Available
Mobility Scooters Available
Unique Location
Saturday Evening Banquet

Forums
Workshops
Camping
VE Testing
Fox Hunt
Door Prizes
Room to Grow
2 Days of Fun!

- 2017 ARRL Great Lakes Division Convention
- ARRL President Rick Roderick, K5UR will be in attendance
- Tickets are now available online (\$17 in advance, \$20 at event)
- Special Promotion for limited time: \$16 in advance
- See link below:

<http://www.mispeedway.com/About-MIS/Special-Events/Great-Lakes-HamCon.aspx>



www.glhamcon.org

Info@glhamcon.org

GREAT LAKES HAMCON

AFFILIATED CLUB NEWSLETTER

VOLUME I, ISSUE 4

JUNE 17, 2017

www.glhamcon.org

info@glhamcon.org

Facebook: great lakes hamcon

GLHamCon General Admission Tickets Promo Ending

The current \$1 off sale on general admission advance tickets to GLHamCon will end at the end of the day on June 30. General Admission tickets on July 1 will revert back to \$17 in advance and \$20 at the gate. Now is the time to save a buck, but the opportunity will soon be gone.

Want to win a free ticket to GLHamCon?

At each ARRL hamfest in Michigan between now and September 23, there will be two prize drawings for GLHamCon Admission Tickets. These tickets will be awarded to two lucky winners in the drawings for prizes at each hamfest.

Thus far, the following Michigan hams have won tickets to GLHamCon: K8TB, K8AJ, W8VWY, WB8SAM, KC8TU, and K8VOX.

Be advised that the GLHamCon ticket winners will not receive their tickets (wristbands) until a couple of weeks before the event. Out ticketing process is electronic and our MIS ticketing partners will process all winning tickets at the same time. The wristbands will either be mailed to the winners or made available at the will-call office at the event.

Flea Market Planning Hot Tip

Flea Market ticket sales are brisk and spaces can be purchased when you buy your general admission tickets. Because of the relative complexity of reserving Flea Market spaces, you will be on the telephone with an MIS representative.

Pit Road is approximately 1/4 mile long and 60 feet wide. Spaces (\$40 each) will be 12' wide x 20 ft deep and there will be spaces on both sides of Pit Road with a 20' aisle in the middle. Vehicles will be allowed on Pit Road to sell from. Spaces are being sold from the center out, effectively making the center spaces THE HIGH TRAFFIC AREAS! The tip of the day is to reserve early for the best locations!

A Recent Observation....

On Friday afternoon (June 16) while doing some computer work, I casually switched the TV on to Fox Sports and found qualifying for the NASCAR Monster Energy race on Sunday at MIS on June 18 was underway. Of course, my thoughts wandered to our planned event at that facility in October.

I continue to be amazed by size and expanse of the MIS facility. As I watched the program (ignoring the computer work for the moment), I saw many views of Pit Road. Wow! What a great place for our Flea Market at GLHamCon! If you want to get an idea of the size of the flea market area, I suggest that you tune in on Sunday to the Firekeeper's 400 race on Sunday at 3:00 PM to see for yourself!



Campsite Facilities

During the inaugural Great Lakes HamCon, the Graves Family Camp Ground will be utilized and has permanent Restrooms and Showers. Located on the south side of US12, trams will run back and forth from the campsite through the tunnel under US 12.

Parking for one vehicle is included with your campsite. Additional overnight vehicle parking available nearby for \$10. Camping prices will be \$35 without electric and \$50 with electric for the weekend (Fri & Sat nights). You can purchase your camping experience online when you purchase your admission tickets.

Event Notes

We will NOT sell out of indoor exhibit spaces or Flea Market spaces!

We have a huge paved area for both the Indoor Exhibitors and for the Flea Market with plenty of room for all!

We have unlimited growth potential at our facility!!!



Central Michigan Amateur Radio Club

W8PLP/W8MAA

Membership Form



For new CMARC applicants: Please complete all sections.

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

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

John Doornhaag | 1165 S. Ainger Rd. | Charlotte, MI 48813-9540

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

Contact Information	
First Name: _____	Last Name: _____
Call Sign: _____	License Class: _____ Phone #: _____
Address: _____	Apt/Unit: _____
City: _____	State: _____ Zip Code: _____
Birthday: _____	Anniversary: _____
Email: _____	Sign up for the List Serv: <input type="checkbox"/> Yes <input type="checkbox"/> No
<i>Note: Email is used by club officers to communicate club business and may appear in the club directory for use by club members. CMARC does not share/sell contact information to other parties.</i>	

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



Lansing Civil Defense Repeater Association

Membership Form

For new LCDRA applicants: Please complete all sections.

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

LCDRA oversees the operation and maintenance of all Lansing Area repeaters. Use of the repeaters does NOT require LCDRA or CMARC membership, but your support is welcome and appreciated.

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

Michael Boensch | 1897 Sunnymede Ln | Lansing, MI 48906-1356

Membership Type		<input type="checkbox"/> New	<input type="checkbox"/> Renewal
Full:	<input type="checkbox"/> Annual Dues: \$15.00 <i>Includes voting rights and an annual subscription to The SCOPE.</i>		
Family Mbrs:	<input type="checkbox"/> Annual Dues: \$7.50 ea. No. of Family Members: _____		
ARRL Affiliation	<input type="checkbox"/> I am an ARRL member		

Contact Information	
First Name: _____	Last Name: _____
Call Sign: _____	License Class: _____ Phone #: _____
Address: _____	Apt/Unit: _____
City: _____	State: _____ Zip Code: _____
Birthday: _____	Anniversary: _____
Email: _____	
<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
P.O. BOX 27321
Lansing, MI 48909-7321

Central Michigan Amateur Radio Club



THE SCOPE



Lansing Civil Defense Repeater Association

centralmiarc.com Serving Our Community Since 1921 lcdra.net

CMARC	ARPSC	LCDRA
		
WWW.CENTRALMIARC.COM/	WWW.LANSINGARPSC.COM/	WWW.LCDRA.NET