



The Scope

Central Michigan Amateur Radio Club Lansing Civil Defense Repeater Association

September 2017
Volume 17
Issue 9

Club Tower Project

I would like to thank those who came out and assisted with starting our tower project. A tremendous amount of work had to take place to get us where we are today, and there is much more to do.

A future work day has not been set to continue with the next stage of the project. At this point, it looks like it will be sometime in October, with a goal to have the entire project completed by the time snow flies.

Here is a list of those who came out to help:

Mark Carter / KD8YUY

John Doornhaag / KD8NNQ

Ron Harger / WD8BCS

John Hosford / KC8QZB

Chris Ranes / NS8Q

Tom Rocheleau / WA8WPI

More pictures and a description of the work performed will be found later in this issue.

When: CMARC Monthly Meeting
7:00 pm, Friday, September 8, 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@arrl.net.



Inside This Issue

Birthdays, Anniversaries,		Meeting Minutes	8-10
Treasurer's Report , Mtgs	2	Classifieds	12-13
VE Exams	3	Net Info & Officers	14
Club Tower Project	4-5		
Dan Romanchik/KB6NU	6-7		
QSL Card Birthday	7		

September Birthdays:

9/1 James Stoddard / KA8TLC
 9/1 Matthew Taylor / KD8JIA
 9/7 Jeff Beck / W8EAS
 9/11 Jean Wixon / K8MUS
 9/17 Jeremiah Severy / KC8EIA
 9/18 Jimmy Dunahoo / KD8IWQ
 9/24 Erich Vedder / KD8YUZ
 9/24 Kelly Fitzgerald / K9FTZ
 9/26 Tim Schuchaskie / KE9HIY
 9/26 Vicki Dembinski
 9/28 Richard Greeson / KD8HLR
 9/30 John Hosford / KC8QZB

September Anniversaries:

Bob Reynolds / WB8PPG
 9/6 Erich Vedder / KD8YUZ
 9/11 Herbert Terbrack / KB8QEZ
 9/12 Leon Langridge / KD8ZPE
 9/12 Randall Stortz / K8VY
 9/12 Tom / K8KUF and Cheryl / KD8QFE Davage
 9/16 Alana Blunt / KE8FXG
 9/16 Tom / WA8WPI and Carolyn Rocheleau
 9/23 Eugene Brown / KK4DIY

Upcoming Meetings:

ARPSC

The ARPSC meeting for the month of June is at 7:00pm on Monday, **September 18**. 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

Treasurer's Report 2017

John Doornhaag / KD8NNQ - CMARC Treasurer

Bank Balances for August	
Beginning Balance	\$2,895.32
Total Monthly Income	\$2,771.51
Total Monthly Expenditures	(\$1,390.95)
Total Business Checking	\$4,275.88
Petty Cash	\$1.00
Sub Total	\$4,276.88
Primary Share Accounts	
Humphrey's Fund	\$1,094.08
Building Fund (Club Station)	\$19.09
Field Day	\$477.71
Total Net Worth	\$5,867.76
Youth Fund Balance*	\$254.08
* Separate from CMARC Funds	

THANK YOU to those who brought food to the August Potluck. Everything was very delicious!

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.

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.

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

Club Tower Project

By Chris Ranes / NS8Q



John / KD8NNQ met me in Mason and brought his backhoe to begin digging the hole. The ground was rock hard, almost as if he were scraping concrete, but eventually dug down about 4-feet. Once the hole had been dug, it was time to pound in the ground rod at the bottom of the hole, which is centered under the tower itself. Once the ground wire was connected, the barrel form was lowered into the hole. Once the form was level, we carefully lowered the initial section of tower into the form and braced it with a 2x4 on each tower leg and then anchored each one with ground stakes. After another check to make sure things were level, we poured in four 80 lb bags of cement, one on each piece of rebar protruding from the bottom of the form. The added concrete outside the form will provide added stability and create a bell-shaped foundation, similar to deep shaft foundations that support buildings on bedrock. After soaking it well with the hose, we set the square form for the top of the barrel, and then started to backfill.

After backfilling, we cleaned up the site, loaded up our tools, and set out for home, waiting for the day we could pour concrete..



Club Tower Project *cont'd*

The day finally arrived to pour concrete. John / KD8NNQ arrived early, along with Mark / KD8YUY. By the time I arrived, they already had the station ground rod driven, with the ground wire installed inside the building. They were beginning to work on anchoring the guy wire hook into the roof truss on the building. Ron / WD8BCS showed up with his front-end loader and we made quick work of unloading the bags of cement near the mixer that John / KD8NNQ had brought along with him. Ron's tractor was a life saver and for that matter, a back saver as well. John / KC8QZB and Tom / WA8WPI showed up a little later that morning, and they were helping to pour cement, distribute dirt, and attempt to install the guy wire anchors in the elevated berm behind the building. The guy wire anchors proved to be an enormous task, and we kept hitting rocks when attempting to screw them in. After completing the concrete pour, we cleaned up and headed out for home once again. John / KD8NNQ came back the following day to remove the wood form around the top of the concrete, and rake out the soil surrounding the tower. Once that was completed, he spread out some grass seed in hopes of restoring the lawn.

At a future work day, we will need to install the guy anchors, raise the tower, and begin to assemble the antennas. We can definitely use some help with that, so if you are interested in helping, please let me know.

Thanks again for everyone who helped out! We couldn't have done it without you.



ARRL finally realizes status quo isn't going to cut it

By Dan Romanchik / KB6NU

Dan, KB6NU, is the author of the "No Nonsense" amateur radio license study guides and blogs about amateur radio at KB6NU.Com. You can email him at cwgeek@kb6nu.com.



An item in the July 2017 ARRL board meeting caught my attention. It notes that a committee of staff members was tasked with identifying the challenges facing ARRL and possible solutions. The August 3, 2017 issue of the ARRL Letter ran the

following report:

“ARRL Chief Executive Officer Tom Gallagher, NY2RF, presented the report of six Headquarters staffers who had been tasked with identifying the challenges facing ARRL and devising feasible solutions. Specifically, the committee addressed market research findings that have continued to reveal that only a small percentage of new hams join the League, and only about one-half of new hams actually get on the air.

“The committee began with the premise that ARRL must act in order to remain relevant going forward. It proposed instituting a Lifelong Learning Program to focus on developing a clear developmental path for all radio amateurs, from newcomers to established radio amateurs. The committee recommended the creation of new programs and services to increase the knowledge base of newcomers in order to get them active, as well as programs to keep experienced amateurs up to date with changing technology and practice.”

The board meeting minutes were a little more detailed:

“Mr. Roderick yielded the floor to CEO Gallagher who presented the report of a committee of staff members tasked with identifying the challenges facing ARRL and possible solutions. The members of the committee – Diane Petrilli, KB1RNF; Norm Fusaro, W3IZ; Becky

Schoenfeld, W1BXY; Debra Jahnke, K1DAJ; Steve Ford, WB8IMY; and Sean Kutzko, KX9X, joined the meeting at 9:20 AM, to present this report. Their findings show the importance to ARRL of getting newly licensed hams actively on the air and how that relates to continued growth of the organization. In order to achieve that goal, the committee proposed developing a lifelong learning department, which would address the needs of all amateurs with the focus being on developing a clear knowledge path for all amateurs. They proposed creating straightforward programs and services to enhance the knowledge base of new amateurs as well as to enhance their sense of community within the hobby.

“Another recommendation involved refocusing the priorities of the emergency preparedness department to address the current trends in public service.

“A third recommendation was to improve the value proposition of membership. The committee proposed doing a survey, which would include test material that is targeted to the interests of newer hams. The content would include a strong emphasis on serving communities, agencies, and partners; digital communications, and human interest. Projects would be simple. The survey would obtain information on new ham’s interests and needs in the hobby. The survey would also try to determine the delivery system that might best meet the newcomer’s desire for receiving this type information (print, digital, messaging, etc). The test material is proposed to be delivered to recipients in fall 2017.

“From the committee’s vantage point, the status quo is no longer adequate: we need to have a vision of the future and convey it to our current membership. If we do not convey the need to change the paradigm, the ARRL’s relevancy will not move forward.”

The good thing here is that the ARRL finally realizes that there are some serious problems. I’ve written about these in the past. I’ve challenged the ARRL to set a

membership goal of 25% of the licensed amateurs in the U.S (<http://www.kb6nu.com/arrrl-membership-is-25-asking-too-much/>). I've also encouraged the ARRL to play a bigger part in emergency communications research (<http://www.kb6nu.com/go-big-go-early-go-fast-smart/>).

Unfortunately, it appears that the ARRL is approaching this issue in typical ARRL fashion. That is, working on these issues in their little cocoon in Newington and then issuing these statements as if they expect everyone to just fall in line. I quote, "From the committee's vantage point, the status quo is no longer adequate: we need to have a vision of the future and convey it to our current membership." That approach is doomed to failure. Any "visioning" or strategic planning that doesn't get the membership involved right from the start just isn't going to work.

The ARRL HQ staff just doesn't have the horsepower to pull this off properly. The staff is already pretty bare bones, and they still have to publish QST every month, keep Logbook of the World running, process thousands of license applications, etc., etc. The only way this is going to be a fruitful effort is if they get members—and lots of them—involved in this process.

If you agree with me, please let your director know. Contact your director and tell him that you want to be involved. The status quo of having the HQ staff not working with the membership "is no longer adequate." That's how we got here in the first place. ■

QSL Cards Become Birthday Cards for Ailing Little Boy

By Christian Cudnik / K0STH

Article courtesy of Amateur Radio Newsline

NEIL/ANCHOR: A critically ill little boy in Michigan has just inspired a new reason to send QSL cards. In this case the cards don't confirm a successful contact - they hopefully can initiate one. This is a QST from Christian Cudnik K0STH, host of the 100 Watts and a Wire podcast, - and he explains why he's reaching out:

CHRISTIAN: Oakley is a 6-year-old little boy from Alma Michigan that I've never met. He was born with a rare birth defect called Prune Belly Syndrome. It's so rare his future is unknown. As a parent, it's the unthinkable. His story surfaces in a flood of news that focuses on things that divide us.

On September 3rd, Oakley turns 7. With all of the challenges in his life, all he is asking for

is birthday cards. Mom says receiving mail keeps him busy and it makes him happy.

I am asking the amateur radio community to repurpose their QSL cards. Normally, we send cards after a contact. Let's use them as birthday cards and do something that's positive for a little boy and a family that really needs it right now.

We all want a better future for our children. Maybe this simple act can help us get closer to the things that bring us together, and maybe...he'll write back!

NEIL/ANCHOR: Thank you, Christian. To send a QSL card and some cheer to Oakley you can write him at **Oakley Savickas, P.O. Box 201, Alma, Michigan, U.S.A. 48801.** ■

CMARC Board Meeting Minutes

August 11, 2017

1) Call to Order:

- a) Club President Tom Rocheleau/WA8WPI called the meeting to order at 5:50 pm.

2) Hamfest:

- a) Total profit is \$1,375.37 unless there are further adjustments that need to be made.
- b) A suggestion was made that we have a white board to list the prize winners next year.
- c) The sheer amount of volunteers that showed up for setup and tear down was amazing. It truly makes me light work when you have several people helping out. Thank you to everyone who took time to help out.
- d) The Engineer from Yaesu had a great time and is planning on being here next year. Clyde mentioned that Icom is making plans to be there as well. An actual ham radio dealer is needed who can sell the name brand gear that the manufacturers are displaying. Because the manufacturers have contracts with dealers, they are unable to sell their gear.
- e) A suggestion was made that we have some shade for the people who are cooking the food, as well as a couple of fans to help remove smoke from the grills, and a windbreak to help keep the wind in check.
- f) Another suggestion was that we have some way to funnel the people who are buying food into a single file line, from beginning to end.
- g) If we are unable to find someone who can lead food and to get a food safety license, it might be worth having a food truck come in to handle food sales. We would lose the food profits, but it would make it easier on us. We will discuss this idea further and try and contact someone early next year.
- h) At the VE Session, we had five applicants, and everyone had received what they came for.
- i) We could use a few more traffic cones for the parking areas. The club has ten fluorescent green cones right now.
- j) Each group had a definite person in charge who was able to take charge and handle issues as they came up.
- k) Mike Holcomb/WX8MH was able to get the PA configured so it could be heard throughout the church property. We need to be careful to remain as quiet as possible before 8 am as not to disturb and upset the neighbors surrounding the church property.

3) Tonight's Presentation:

- a) Tonight's presentation will be by John Winn about the Michigan State Parks on the Air.
- b) We have been authorized to sponsor the Sleepy Hollow State Park for the event.
- c) We are going to need volunteers to help stuff envelopes with QSL cards and other information about the park service. SASE will be provided by the MSPOTA organization so we do not have to pay for postage. The State is paying the postage and providing the cards.
- d) Website for more information is www.mspota.org.
- e) Facebook: www.facebook.com/groups/MSPOTA
- f) Twitter: @mspotas_spots
- g) The cost of the sign that John had made was \$66. The Board decided to give him membership for the next three years (2018, 2019, 2020) as reimbursement.
- h) One person did not claim the \$50 DX Engineering gift certificate. The Board decided to give it away as a replacement for this month's 50/50. Tickets will be \$1 per ticket and the club will retain 100% of the 50/50 money. John made the motion and Chris seconded the motion.

4) Life Membership:

- a) Jerry Waite/KD8GLN has asked to become a life member. He has paid his membership for 10 consecutive years and be at least 65 years old or older. Since he fits the qualification, the Board has decided to grant him life membership.

5) Renewal of Club Callsigns:

- a) Chris Ranes/NS8Q will take care of renewing the club callsigns W8PLP and W8MAA.

6) Club Open House:

- a) We don't need to set a date just yet, but it will be after we get the tower set up and are somewhat operational. Theoretically it could be September, October, or November.

7) Adjournment:

- a) There being no further business, we adjourned at 6:53 pm.

Respectfully submitted by,



Chris Ranes - Secretary

CMARC Meeting Minutes

August 11, 2017

1) **Call to Order:**

- a) President Tom Rocheleau/WA8WPI called the meeting to order at 7:00 pm.
- b) John Tyree/KD8KCX held the flag for the Pledge of Allegiance.

2) **Attendance:**

- a) 25 Members and 6 Visitors (Allen Johnson, Ornan LaFon / KE8FOH, Rich Lee / KF8HMN, Ann Berger, Mary Tillitson, Karen Miller)

3) **50/50 Raffle:**

- a) The month's 50/50 raffle will be a little different. Because we had a \$50 gift certificate to DX Engineering leftover from Hamfest, we are going to give that away instead of 50% of the total ticket sale money. The club will receive 100% of the ticket sales this month, with the price of each ticket at \$1. The gift certificate expires at the end of the month (August 1).
- b) This month's 50/50 raffle winner is Bob Crawford / K8ZAP and the Club received \$47. Congratulations Bob!

3) **Introductions:**

- a) As a matter of introductions this month, each person gave their names, callsigns, and any other information about themselves so others could get to know each other.

4) **Approval of Reports:**

- a) Treasurer's Report (July & August)
 - i) Bob Crawford / K8ZAP made the motion, Ben Barker / WD8OVL seconded, and the motion passes.
- b) Secretary's Report (July & August)
 - i) John Winn / KE8CYC made the motion, Ben Barker / WD8OVL seconded, and the motion passes.

5) **DX Contacts:** None

6) **Lifetime Membership:**

- a) The Board unanimously voted to award Jerry Waite / KD8GLN a life membership. Congratulations Jerry!

7) **Hamfest Report:** *See notes from this month's Board Meeting*

- a) Thank you to all the volunteers who helped set up, tear down, and to clean up the church building and grounds. It goes a long way in securing facilities for future Hamfest events.
- b) Yaesu plans to be back again next year in addition to Icom.

9) **Tower Installation Update:**

- a) Things are coming along nicely. We hope to start digging the hole by the end of the month.
- b) Somebody will be appointed in charge of safety. This is serious work and we want to make sure everyone goes home safe.

10) **Michigan State Parks on the Air – John Winn / KE8CYC:**

- a) Sleepy Hollow State Park is active this year and ends on December 31st.
- b) *See notes from the Board Meeting*

There being no further business, the meeting adjourned at 7:38 pm and the club picnic began.

Respectfully submitted by,

Chris Raney

Chris Raney - 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.



GRAHamfest 2017

Grand Rapids Area Hamfest

Saturday, September 9th

an ARRL Approved Hamfest

Annual Electronics, Ham Radio, Shortwave
CB and Computer Equipment, Trains, Airplanes
or just about anything with an electron in it!

Swap Meet / Flea Market

Opens at 8 AM

Ends at 1:00 PM

Seller Setup: Friday 7- 9PM, & Saturday 7AM

(Vendors only prior to 8AM)

Indoor and Outdoor Sales

Laurel VE Session - 10AM

DX Card on-site checking

Concessions provided on-site

Admission: \$6 at the door

K-12 students free admission

with student ID

See: www.w8dc.org

for updates, maps, directions and
additional information.

The Home School Building

5625 Burlingame, SW

Wyoming, MI 49509-9702

General questions:

KC8NKA 616-531-6218

Table reservations:

W8QZ 616-791-9411 (evenings)

or streyle.j@comcast.net

Deadline for guaranteed reservations

(paid in advance): August 19th

Make checks payable to: G.R.A.R.A.

Paid table requests rec'd after Sept. 1st
will be held at the door. Tables unclaimed
after 8 AM are available first-come basis!

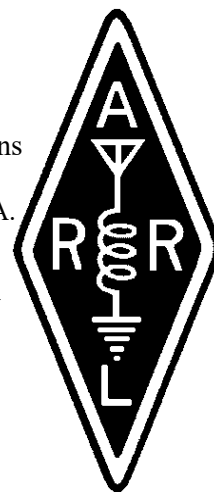
No refunds on unclaimed tables!

Reservation form and payment to:

John Streyle W8QZ

1487 Maderia Ave. SW

Grand Rapids, MI 49534



Talk-In: W8DC on 147.26+ (94.8HZ PL)

Table Reservation Form

Description	Qty.	Ext. amount
6' table along wall* (<i>check for availability—limited quantity</i>) @ \$8 ea.		
6' table (middle of the gym) @ \$6 ea.		
Total	—	

* *Only wall tables have access to electricity.* Table rental does *not* include admission to the swap. No charge for tailgate spaces, except a hamfest admission ticket is required for each person.

Name / Callsign

Phone (optional)

Email (req'd for table confirmation)

Address

City, State, Zip

See other side for map & directions

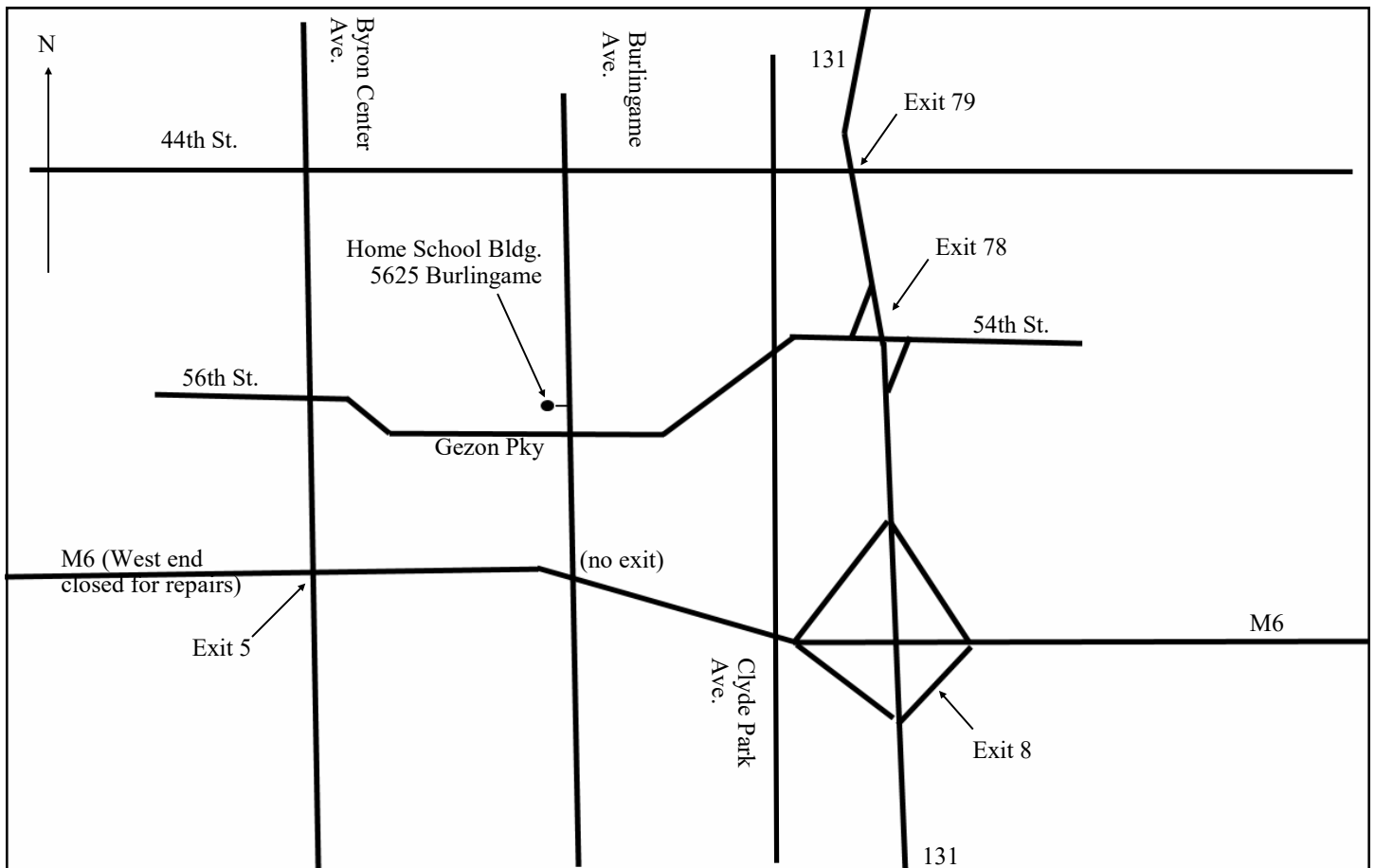
GRAHamfest directions

From the West:

Take I-196 East to exit 67, turn right to 44th Street East. Drive ~ 3.5 miles, turn right (South) onto Burlingame Ave. Turn right into the Home School Building.

From the North:

Take 131 South, to exit 78 / 54th St. Turn right onto 54th St. (turns into Gezon Pkwy) Drive 1.1 mi. Turn right onto Burlingame Ave. Turn left into the Home School Building.



From the East:

Take M6 West / Holland to exit 8, 131 North. Drive 1.3 mi. to exit 78 / 54th St. Turn left onto 54th St. (turns into Gezon Pkwy) Drive 1.1 mi. Turn right onto Burlingame Ave. Turn left into the Home School Building.

From the South:

Take 131 North to exit 78 / 54th St. Turn left onto 54th St. (turns into Gezon Pkwy) Drive 1.1 mi. Turn right onto Burlingame Ave. Turn left into the Home School Building.

Adrian Amateur Radio Club

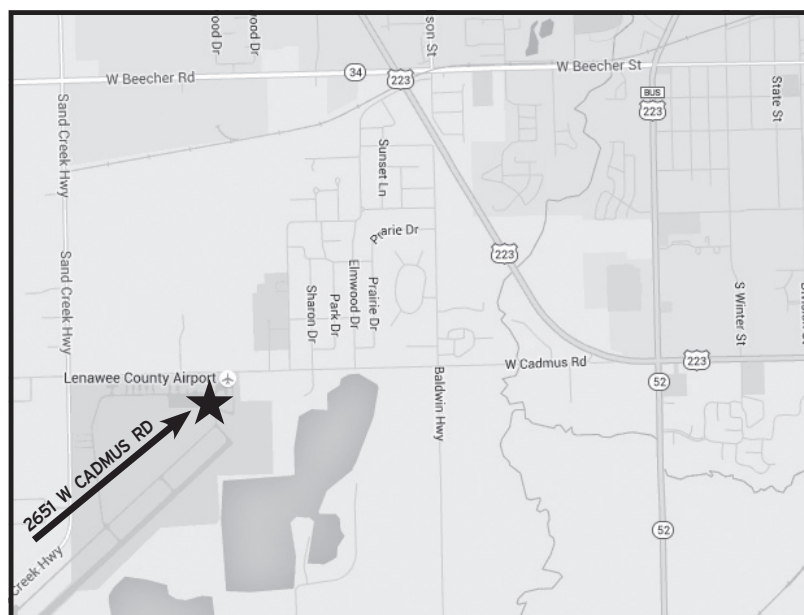
Adrian, Michigan

45TH Annual Hamfest and Computer Show

Sunday September 17, 2017

8:00 A.M. until the event ends.....

Talk-in 145.370--85.4 pl



**AT THE
Lenawee County Airport**

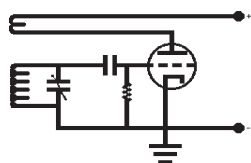
2651 W. Cadmus Rd • Adrian, MI

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**





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



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

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