



The Scope

Central Michigan Amateur Radio Club

Lansing Civil Defense Repeater Association

September 2016
Volume 16
Issue 9

Please Welcome Dan Romanchik/ KB6NU

Our guest speaker for this month is none other than Mr. Dan Romanchik/KB6NU. Besides writing monthly articles for the Scope, Dan is the author of the "No Nonsense Amteur Radio License Guides", "21 Things to Do After You Get Your Amateur Radio License", and "The CW Geek's Guide to Having Fun with Morse Code". For more than 10 years, he has maintained the #1 rated ham radio blog according to Google (www.kb6nu.com). In order to help more kids get into ham radio, he wrote "A Parent's Guide to Ham Radio", a tri-fold brochure designed to give parents a brief intro to ham radio and links to websites where they can learn more about it.

When Dan is not busy writing or blogging, he likes to work CW, mostly on 40m, 30m, 20m, and 15m, building kits, and operating portable from local parks on battery power. He regularly participates in contests, especially the smaller contests, such as state QSO parties. He is the station manager for WA2HOM, the amateur radio station at the Ann Arbor Hands-On-Museum.

He serves as the ARRL MI Section Training Manager. He teaches one-day Tech classes as well as teaches General classes.

When: CMARC Monthly Meeting
7:00 pm, Friday, September 9, 2016

Where: Salvation Army South Corps
701 W. Jolly Rd., Lansing, MI 48910

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@arri.net or by calling (386) 916-7673.



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SEPTEMBER BIRTHDAYS:

09/01 James Stoddard/KA8TLC
 09/07 Jeff Beck/W8EAS
 09/15 Mary Rue/KC8RME
 09/18 Jimmy Dunahoo/KD8IWQ
 09/24 Kelly Fitzgerald/K9FTZ
 09/28 Richard Greeson/KD8HL

SEPTEMBER ANNIVERSARIES:

09/02 Jaime/KD8IAP and Ericka/KD8KJU Kahler
 09/08 Jon/N8SUA and Jessica Seaver
 09/10 Matt/W8MAT and Jennifer Warncke
 09/11 Herbert Terbrack/KB8QEZ
 09/12 Robert/KB8DDQ and Leota/KD8SQD Strobel
 09/16 Tom/WA8WPI and Carolyn Rocheleau
 09/23 Eugene/KK4DIY and Susan Brown

UPCOMING MEETINGS:

ARPSC

The ARPSC meeting for the month of September is at 7:00pm on Monday, **September 19th**. We will be meeting at Fire Station #8 off Marshall Road South of Grand River. For more information about the ARPSC, please check out our website at www.lansingarp.com

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 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.

TREASURER'S REPORT 2016

John Doornhaag / KD8NNQ - CMARC Treasurer

Bank Balances for August	
Beginning Balance	\$3,439.20
Total Monthly Income	\$2,270.37
Total Monthly Expenditures	(\$2,142.41)
Total Business Checking	\$3,567.16
Petty Cash	\$41.00
Sub Total	\$3,608.16
Primary Share Accounts	
Humphrey's Fund	\$1,093.01
Building Fund (Club Station)	\$19.09
Field Day	\$551.30
Total Net Worth	\$5,271.56
Youth Fund Balance*	\$253.84
* Separate from CMARC Funds	

VE EXAM SESSION:

LANSING, MI

Date: **9/10/16**
 Time: 11:00 pm (Walk-Ins Allowed)
 Sponsor: Ingham County VE Group
 Contact: Don McIn / KB8RAD
 Email: kb8radon@aol.com
 Location: Community Room at Lansing Fire Station #44
 1435 E Miller Rd Lansing MI 48911

LANSING, MI

Date: **10/8/16**
 Time: 12:00 pm (Walk-Ins Allowed)
 Sponsor: Eaton County ARC
 Contact: Mark D. Korroch
 Email: wb8tgy@yahoo.com
 Location: Eaton Cty Sheriff's Dept EOC
 1025 Independence Blvd (Enter Back of Bldg)
 Charlotte, MI 48813-1031



CMARC FOOD DRIVE FOR SALVATION ARMY PANTRY

As most of you know, the Salvation Army South Corps. has been CMARC's Home since 2010 and we have been blessed with not only a great room for our meetings and a really nice kitchen, but also with a really fantastic room for our Ham Shack. To show the Salvation Army our gratitude and to help the community, we will be reenacting what we have done the last couple years by collecting food donations! We will be collecting your food contributions at our September and October CMARC meetings to help restock their pantry. Not only do they provide meals, but they also help the needy with food and personal items they have need of. We will have a big red barrel for your contributions.

PLEASE BRING ANY NON-PERISHABLE FOOD ITEMS SUCH AS THOSE LISTED BELOW:

- Canned Beans
- Canned meat
- Canned Soups
- Canned Tomatoes
- Canned Potatoes
- Canned Veggies
- Canned Fruits
- Dry Beans
- Dry Pasta
- Dry Dinner Sides
- Dry Rice
- Spaghetti Sauce
- Cereal
- Peanut butter
- Jelly
- Instant Mashed Potatoes
- Baby Food
- Baby Formula (canned or powdered)

THEY ARE ALSO IN NEED OF THE FOLLOWING PERSONAL HYGIENE ITEMS:

- Tooth Brushes
- Tooth Paste
- Diapers
- Baby Wipes
- Hand Soap
- Shampoo
- Deodorant
- Feminine Hygiene items (individually wrapped)
- Wash Cloths
- Socks & Underwear (Can be bought at the Dollar Stores.)
- Used clean & in good condition clothing

Please be sure to PRINT THIS OFF and take it with you when you're shopping so you'll be able to remember exactly what their needs are.

If you are not able to purchase products, but would like to donate money, you may do so. Please talk with a Board member at one of the CMARC meetings.

WORKING DX, IT'S EASIER THAN YOU THINK

By Gregg Mulder / WB8LZG



I've been listening to several local hams complain about the sunspot cycle these days, and that Ol' Sol just doesn't seem to be working very hard as of late. I gather that many of the DXers out there just aren't able to get enough good juicy DX these days. Yes, it's true that we are on the downward side of the sunspot cycle, and that the ionosphere isn't getting the proper pasting that some hams think it should be getting to get that signal

to bounce all the way to Timbuktoo, but all is not dismal. Even in a declining sunspot cycle, there are a lot of foreign stations out there wanting to hear from you. The DX is still there, you just have to work a tad harder and smarter to bag that elusive ham on the other side of the world. I've had my share of DX contacts this year, and I haven't even really tried very hard. The secret? Being on the air when the DX station is operating, for one. Being willing to wait for a good day of propagation is another. That old saying about patience is a virtue, is especially true in Ham Radio.

Don't be afraid to adjust your operating schedule a bit. Many times just staying up after 11pm or midnight may make the difference. Also if you're an early riser like me, there's a lot of good DX lurking on the "grayline" at 6am.

Another hint. Don't be afraid to try calling a CQ on the next higher band, even if it sounds "dead". I've had several very satisfying QSO's on 15 meters when there was not a peep on the band until I called CQ.

Finally, get on regularly. You can't work much for DX if you operate only on Tuesday nights. Try working on the weekends. In many other

parts of the world, the weekends are the only times you may hear the other station on the air. They may have to work 5 or 6 days a week.

Want to work 100 countries quickly? Jump into one of the major contests. ARRL DX, or CQWW, can net you DXCC in one weekend.

You say you don't have a big fancy tower or antenna system? Not to worry. Plenty of good catches to be had out there with modest antennas and low power. Still have doubts? I'm living proof! OK here's a list of just some of the DX "catches" that have made it into the log this summer. All with under 100 watts, and dipole antennas, many with only 5 watts, and a couple with only 1 watt. Yes 1 watt and I bagged France, Columbia, Cuba, and Mexico. These 1 watt QSO's are often a testament to the DX operators skill. Here's the list, and summers not over yet!

Hungary, Belgium, USSR, Ecuador, Philippines, Finland, Japan, Australia, Haiti, Tonga, Columbia, France, Cayman Is., Germany, Curacao, Marquesas, Lithuania, Cuba, Sweden, Mexico, Brazil, Chile, Slovenia, Canada, Venezuela, Italy, Iceland, Latvia, Ireland, Poland, Belarus, Israel, American Samoa, New Zealand, and Nicaragua. Wow! That's 35 DXCC entities in a summer (3 months) without even breaking a sweat! 1/3 the way to DXCC in a summer!

Now I know that there are those who say that I have spent a lot of time on the air to work these QSO's, yes, but who cares? That's half the fun! The other half is when that rare one answers YOU! That's the thrill that keeps 'em coming back for more.

So don't be discouraged, and don't despair, turn on the radio and call CQ! You never know who will answer you today!

73 es gud DX, Gregg WB8LZG ■

WE ARE TAKING ORDERS FOR CLUB SHIRTS!

Russ Fitzgerald N8FZ is coordinating CMARC club shirt and hat orders from Hamthreads. Any club member who orders merchandise with the upcoming CMARC order will receive a quantity discount, regardless of the type of merchandise or quantity ordered.

Club shirts will be Royal Blue with CMARC's Logo and your callsign embroidered in striking yellow. We have two styles of CMARC club shirts to pick from: a polo shirt (male and female) and a men's two-pocket button shirt. These are nice enough shirts that can be worn whenever you want to wear them. It would be ideal for our Club members to stand out a little when doing our various club activities (Field Day, Hamfest, Run/Walks, etc.).

Russ is also taking orders for hats with CMARC's Logo and your callsign, in the same color scheme as the shirts. You can also order your hat with just your callsign if you choose.

Hamthreads is also offering us a deal...if you buy ANY jacket you'll get a "free hat". YOU WILL HAVE TO ORDER YOUR OWN JACKET/HAT!!

To place your order or for questions, call or email Russ Fitzgerald – N8FZ as soon as possible. 517-899-2622 russf2211@aol.com

For further information, please visit <http://www.centralmiarc.com/cmarchirts.php>

CMARC BOARD MEETING

August 12, 2016

❖ CALL TO ORDER:

- President Tom Rocheleau/WA8WPI called the meeting to order at 6:05 with the following Board members in attendance: Vice-President Russ Fitzgerald/N8FZ, Secretary Jane Hosford/KC8FSK, Treasurer John Doornhaag/KD8NNQ, Director Chris Ranes/NS8Q, and Under 22 Director Sam Fitzgerald/N8FPR. Director Ted Sadilek/WA8MFQ had an excused absence. Also present were John Hosford/KC8QZB, Clyde Tompkins/K8CPT and Kelly Fitzgerald/K9FTZ.

- ❖ Congratulations to our newly married couple Russ/N8FZ and Kelly/K9FTZ Fitzgerald.

- ❖ **SILENT KEYS:** None

❖ CARDS & FLOWERS REPORT:

- A card was sent to the wife of John Ingraham/NG8L.

❖ CLUB SHIRTS:

- Russ/N8FZ and Sam/N8FPR Fitzgerald are taking over ordering the Club shirts. The website is hamthreads.com. By ordering as a Club we will get a 20% discount on everything that is ordered. Russ/N8FZ would like to get your order in September so they can be ordered in October. The shirts will be royal blue with the Club's logo, your name and call sign on the front in yellow.

❖ TONIGHT'S PROGRAM:

- Larry Camp/WB8R from the ARRL

❖ HAMFEST:

- The Club's profit was \$850.59 after taking out \$503.12 for expenses and giving the Holt Christian Church \$100.00.
- Clyde/K8CPT has volunteered to chair the Hamfest next year.
- Russ/N8FZ made a motion that we charge \$5.00 for admission and \$5.00 for a spot next year. Sam/N8FPR seconded the motion and it was approved.
- Leota/KD8SQD has had a food license so we can have hot dogs, brats, and the pulled pork. Without that license we would only be able to have packaged food. Leota's license expires next year so we need someone else to get a food license. Dan Dembinski/KD8YDE has volunteered to take the class and get a license so we can have the great food that we had this year. The class costs about \$150.00 so John/KD8NNQ made a motion, seconded by Russ/N8FZ and approved, that we pay for the class so Dan/KD8YDE can get his food license.

❖ SALVATION ARMY FOOD/DONATION DRIVE:

- We will be having the food/donation in September and October. There will be a list of needed items in the SCOPE and on the Club's website centralmiarc.com.

❖ DEWITT HIGH SCHOOL MARCHING BAND FESTIVAL:

- The date for this event is October 15, 2016. Russ/N8FZ is asking for volunteers from the Club to work at this event. You will be partnered with one of their volunteers to help with communications. Anyone interested in helping with this event contact Russ/N8FZ

❖ WOLDUMAR NATURE CENTER:

- They are having an event the third week in September and Bob/KB8DQQ thought it might be nice to have a radio demonstration.

❖ CLUB ROOM COMPUTERS:

- Russ/N8FZ has made a motion, seconded by John/KD8NNQ and approved that we get two laptops for the Club room, rather than one laptop and one desktop. The laptops will be easier to take to Field Day to do logging. Sam/N8FPR found two laptops for \$150.00 each that the Club plans on getting.

❖ MISCELLANEOUS:

- John/KC8QZB mentioned that when he was at Skywarn someone gave him a radio that we believe, is intended to go to a new ham that doesn't have a radio. This had been discussed with Julie ahead of time. John/KC8QZB has been making sure the radio works well before bringing it in to the Club.
- Dan/KD8YDE has mentioned that he would like to buy a section and base that is in the Club room. The Board is going to let him have it for \$100.00. If there's another section of tower that he would like, he can pay \$50.00 for it.

❖ MEETING ADJOURNMENT:

- Motion to adjourn made by John/KD8NNQ, seconded by Russ/N8FZ and approved
- Meeting adjourned at 6:57 pm.

Respectfully submitted,
Jane Hosford/KC8FSK-Secretary

GENERAL CMARC MEETING

August 12, 2016

❖ CALL TO ORDER:

- President Tom Rocheleau/WA8WPI brought the meeting to order at 7:04 pm.
- We do have nametags for everyone if you don't have your own, so please use, so we know who everyone is. Please sign in on the sign in sheets that are going around, there is one for members and one for visitors.
- We started the meeting by doing the Pledge of Allegiance. The flag was held by Sam/N8FPR, our Under 22 Director.
- A moment of silence for our silent keys

❖ ATTENDANCE:

- There 44 people in attendance.
- Our visitors included Ted Hadfield/KU8F, Larry Camp/WB8R, Justin LeBlanc, Bob Reynolds/WB8PPG, Mary Tillitson, Jerrie Jenks, Mary Ann Prince, Vicki Dembinski, Michael Pedersen and Miss Abigail Beuchert.

❖ NEW LICENSES, UPGRADES, AND VANITY CALLS: None

❖ SILENT KEYS: None

❖ CARDS & FLOWERS REPORT:

- A card was sent to the wife of John Ingraham/NG8L.

❖ PLEASE PAY YOUR DUES:

- CMARC dues to John/KD8NNQ
- LCDRA dues to Michael/W8MKB
- NEW HAMS GET ONE YEAR FREE MEMBERSHIP

❖ OLD BUSINESS (HAMFEST):

- The Club's profit from the Hamfest was \$850.59 after taking out \$503.12 for expenses and giving the Holt Christian Church \$100.00.
- Russ/N8FZ made a motion that we charge \$5.00 for admission and \$5.00 for a spot next year. Sam/N8FPR seconded the motion and it was approved.
- Leota/KD8SQD has had a food license so we can have hot dogs, brats, and the pulled pork. Without that license we would only be able to have packaged food. Leota's license expires next year so we need someone else to get a food license. Dan Dembinski/KD8YDE has volunteered to take the class and get a license so we can have the great food that we had this year. The class costs about \$150.00 so the Board has approved paying for the class Dan/KD8YDE needs to take to get a food license. The license is good for five years.
- Thanks to Clyde Tompkins/K8CPT for taking over as the Chair for Hamfest.
- Thanks to Leota Strobel/KD8SQD for her work with the food.

- Thanks to Dan Dembinski/KD8YDE for the pulled pork sandwiches and for cooking the hot dogs and brats.
- Thanks to everyone for the Hamfest being the success that it was!

❖ OLD BUSINESS (CLUB ROOM REORGANIZATION):

- Russ/N8FZ is collecting amateur radio plates to display on the wall in the Club room. Russ/N8FZ has the forms for ordering them.

❖ NEW BUSINESS:

- Russ/N8FZ and Sam/N8FPR Fitzgerald are taking over ordering the Club shirts. The website is hamthreads.com. By ordering as a Club we will get a 20% discount on everything that is ordered. Russ/N8FZ would like to get your order in September so they can be ordered in October. The shirts will be royal blue with the Club's logo, your name and call sign on the front in yellow.
- A motion to accept the July secretary's report as printed in the August Scope was made by Bill/WD8NYW, seconded by Leota/KD8SQD, and approved.
- A motion to accept the July treasurer's report as printed in the August Scope was made by Jerry/KD8GLN, seconded by Dan/WX8MOJ and approved.

❖ SALVATION ARMY FOOD/DONATION DRIVE:

- We will be having the food/donation in September and October. There will be a list of needed items in the SCOPE and on the Club's website centralmiarc.com.
- If you are unable to get out and go shopping for the food/donation drive, please give your money to a Board member, so we can do the shopping for you. We will give you the receipt so you can see what you donated.

❖ DEWITT HIGH SCHOOL MARCHING BAND FESTIVAL:

- The date for this event is October 15, 2016. Russ/N8FZ is asking for volunteers from the Club to work at this event. You will be partnered with one of their volunteers to help with communications. Anyone interested in helping with this event contact Russ/N8FZ

❖ WOLDUMAR NATURE CENTER:

- They are having an event the third week in September and Bob/KB8DQQ thought it might be nice to have a radio demonstration.

❖ 50/50: There was no 50/50 tonight.

GENERAL CMARC MEETING

August 12, 2016

❖ MOTION FOR BREAK:

- A motion for break was made by Don/KB8RAD, seconded by Leota/KD8SQD and approved.

❖ COFFEE FUND:

- The money collected each month goes to purchase the coffee, creamer, punch, coffee filters, cups, napkins, plates, plastic ware, etc.. Visitors are our guests and are not expected to donate. Also, if you brought in food, you do not need to donate.
- ***Thank you to everyone who brings in food each month and thank you to everyone who helps in the kitchen each month. It is all very much appreciated.***

❖ UPCOMING EVENTS:

- Just a couple of things to think about. In November we will be taking nominations for the 2017 Board. Think of someone you would like to nominate or you can nominate yourself.
- Ziegenbein nominations are due by March 15, 2017. After we get the nominations the Ziegenbein committee, Jane Hosford/KC8FSK, Daniel Beuchert/WX8MOJ and Chris Ranes/NS8Q, will get together and decide, based on your nominations, we will select who we think is the best person to receive the Ziegenbein award.

- Sunday, August 14th is the St. James Walk in Mason. Jeremiah Sevrey/KC8EIA is in charge of it.
- Labor Day, Monday, September 5th, is The Run for Chum in Dansville. John Tyree/KD6KCX is in charge of this. If this is something you can work on or just have questions, contact John Tyree/KD6KCX.

❖ TONIGHT'S PROGRAM:

- Larry Camp, the ARRL Great Lakes Division, Michigan Section Manager. Mr. Camp will be speaking about recent activities in amateur radio with a concentration on our Michigan section.
- If you wish to join the ARRL, the cost is \$49.00 a year. Life membership is \$1225.00.
-

❖ MEETING ADJOURNMENT:

- Motion to adjourn was made by Michael/KC8ZLQ, seconded by Sam/N8FPR, and approved,
- Meeting adjourned at 8:00 pm.

Respectfully submitted,
Jane Hosford/KC8FSK-Secretary

CMARC Board Elections

Have you thought about the 2017 Board of Directors or Appointees?
Begin thinking about running or who you might like to nominate.

CLASSIFIEDS

6 element 6-meter Yagi-Uda. This Yagi is being taken down from the W8SH tower. It is a "Force 12" yagi and has been up on the mast for 20 years. It is in working condition, although it could use a good cleanup.
\$75 or best offer.

J-37 Hand Key - \$20
J-38 Hand Key - \$20
Speed-X Hand Key - \$20

Contact: Gregg Mulder/WB8LZG
(517) 646-6257 after 5pm please.

The following items of equipment from the station of Louis Larche/KD8BWL - SK, are still available. Listed is the suggested price for each. Please make an offer if you are interested. All the proceeds will go to Barb, Louie's XYL.

Kenwood AT-230 antenna tuner, for use with TS-830, TS-530, etc.
200 Watts, 1.8 to 30 MHz, 20 & 200 watt scales -- \$120

Kenwood VFO-230 digital synthesized VFO, for split frequency. 20 Hz steps. 5 memories. Designed to connect to TS-830s or TS-530 -- \$135

Contact: Ken Faiver/W8HNI
(517) 896-3570 or
kfaiver@sbcglobal.net

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.
\$90 or Best Offer

Contact: Ed Oxe / W8EO:
eaoyer@gmail.com

ICOM IC-746 Transceiver - \$750
Comes with hand mic, DC power cord, instruction manual, and service manual.
ICOM SM-8 DESK MIC - \$100.00
Voice Synthesizer UT-102 - \$40.00

Package Deal - \$800

All working great and look nearly new. I have the original boxes for everything.

Contact: Jim Hein/K8UHF:
k8uhf@sbcglobal.net

Connect Systems CS700 Handheld DMR Radio - \$150

Contact: Joe Urdzela/K8JJU:
JJUrdzela@gmail.com

(2) Tytera MD-380 DMR Handheld Radios - \$150 ea.

Contact: Jason McLaughlin/KC8RBK:
(517) 712-0478 or
kc8rrrbk@gmail.com

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.

9	3	5	2	2	4	8	6	7	1
7	6	1	3	9	5	2	4	8	
4	8	2	1	6	7	9	5	3	
8	5	6	9	2	1	7	3	4	
1	9	4	7	5	3	8	2	6	
3	2	7	6	8	4	1	9	5	
2	1	6	7	8	5	3	2	4	1
6	9	8	4	7	6	3	8	2	
3	5	4	9	2	7	1	8	6	5
5	7	3	6	8	1	4	2	9	
4	1	9	5	3	7	1	8	6	2
6	8	2	5	3	7	1	8	6	2
1	9	4	7	5	3	8	2	6	
2	1	6	7	8	5	3	2	4	1
6	9	8	4	7	6	3	8	2	
3	5	4	9	2	7	1	8	6	5
5	7	3	6	8	1	4	2	9	
4	1	9	5	3	7	1	8	6	2
6	8	2	5	3	7	1	8	6	2
1	9	4	7	5	3	8	2	6	
2	1	6	7	8	5	3	2	4	1
6	9	8	4	7	6	3	8	2	
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5	7	3	6	8	1	4	2	9	
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6	9	8	4	7	6	3	8	2	
3	5	4	9	2	7	1	8	6	5
5	7	3	6	8	1	4	2	9	
4	1	9	5	3	7	1	8	6	2
6	8	2	5	3	7	1	8	6	2
1	9	4	7	5	3	8	2	6	
2	1	6	7	8	5	3	2	4	1
6	9	8	4	7	6	3	8	2	
3	5	4	9	2	7	1	8	6	5
5	7	3	6	8	1	4	2	9	
4	1	9	5	3	7	1	8	6	2
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6									

FINDLAY

The 74th Findlay Hamfest September 11, 2016

Plan ahead now for September 11!

Admission: \$7

Tables: First—\$20; each additional—\$15

Overnight camping: \$15

Free parking

Buildings open at 8:00 AM

Flea market opens at 7:30 AM

Flea market setup access at 6:30 AM

Talk-in: 147.15+, 444.15+

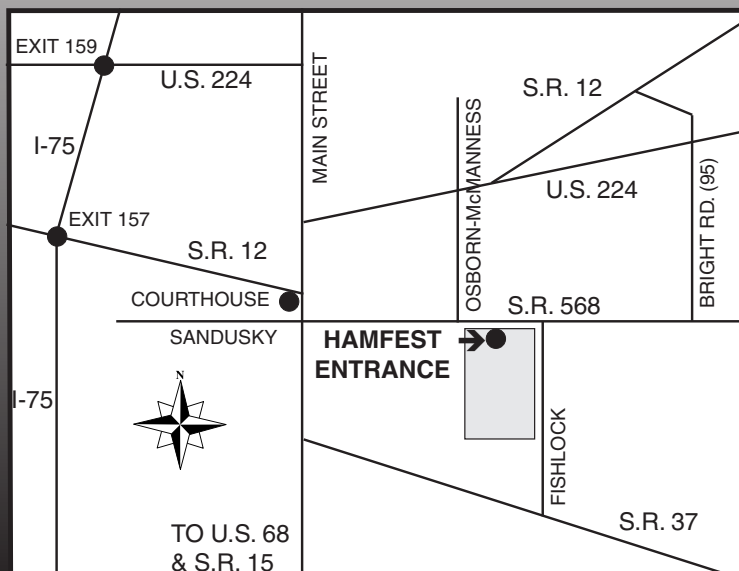
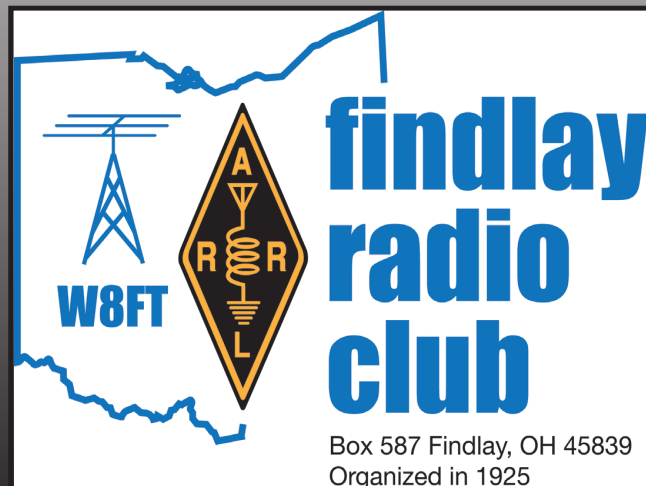
For information:

Club telephone—419-423-3402

Website—findlayradioclub.org

E-mail—hamfest@findlayradioclub.org

Hancock County Fairgrounds



Adrian Amateur Radio Club

Adrian, Michigan

44TH Annual Hamfest and Computer Show

Sunday September 18, 2016

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

Talk-in 145.370--85.4 pl



NEW LOCATION! at the
Lenawee County Airport

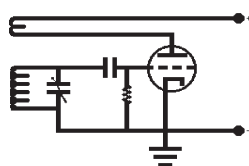
2651 W. Cadmus Rd • Adrian, MI

Tickets \$5.00

8 ft. tables \$10.00 each

Trunk Sale Spots \$3.00 each

HANDICAPPED PARKING



Additional Information Email:

adrianhamfest@w8tqe.com

Table forms are on the web

www.w8tqe.com





GRAHamfest 2016

Grand Rapids Area Hamfest

Saturday, September 24

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

ARRL VE Session - 10AM

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): Sept. 16

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

Paid table requests rec'd after Sept. 16th
will be held at the door. Tables unclaimed
after 8 AM are available first-come basis!

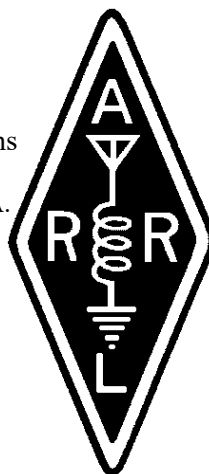
No refunds on unclaimed tables.

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



Show Your Support for Amateur Radio and Join CMARC & LCDRA Today!



JOIN TODAY!

Central Michigan Amateur Radio Club, Inc.

As a licensed Amateur, you can sign up today as a Full Member. As a Full Member of CMARC, you will receive voting rights and an annual subscription to 'The SCOPE'. This newsletter is filled with Club News, special interests and events.

Sign up today as an Associate Member and it includes an annual subscription to 'The SCOPE'. (no voting rights as an Associate Member)

New licensees are now eligible for a one FREE year membership at CMARC and Under 18 licensees are eligible for FREE membership!

Name		Call Sign
Address		City State
ZIP	Phone	Lic. Class
ARRL Member?	Birthday	Wedding Anniversary
Year 1st Licensed		Please supply email address for SCOPE mailing
<input type="checkbox"/> Full <input type="checkbox"/> Associate <input type="checkbox"/> New Licensee (1yr. free) <input type="checkbox"/> Under 18 (free)		
Full Membership \$15 per calendar year (must be a licensed amateur to obtain Full Membership) Associate Membership \$5 per calendar year		
Mail Your Check or Money Order to: John Doornhaag 1165 S Ainger Rd Charlotte, MI 48813-9540 (Checks made payable to CMARC)		

JOIN TODAY!

Lansing Civil Defense Repeater Association

As a licensed Amateur, you can sign up today for only \$15. As a member of LCDRA, you will receive an annual subscription to 'The SCOPE', as well as voting rights in the Association.

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.

Name		Call Sign
Address		City State
ZIP	Phone	Lic. Class
ARRL Member?	Birthday	Wedding Anniversary
Year 1st Licensed		Please supply email address for SCOPE mailing
LCDRA Membership is \$15 per calendar year (add a Family member for only \$7.50 per person, per year). LCDRA maintains our local repeaters and your support is appreciated. (Membership not required to use repeaters)		
Mail Your Check or Money Order to: Michael Boensch 1897 Sunnymede Ln Lansing, MI 48906 (Checks made payable to LCDRA)		



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