



The Scope

Central Michigan Amateur Radio Club

Lansing Civil Defense Repeater Association

November 2015
Volume 15
Issue 9

Zoo Night at CMARC

The next monthly meeting of the "Central Michigan Amateur Radio Club" will be on **Friday, November 13th at 7pm**. Our program speaker will be CMARC member Ted Sadilek/WA8MFQ. Ted is a docent (and trained raptor handler) at Lansing's Potter Park Zoo. With the help of his wife Bev (also a docent), they will once again be bringing a delightful assortment of animals from the Zoo into our Club for display and will give us background information on each of them. Also included among the animals is a cuddly bunny rabbit to pet, so please be sure to bring the kids (and your cameras)! There will be an opportunity for a close-up look at the critters and some time for questions and answers. You surely won't want to miss this one, so bring out the whole family and join us, because we're really going to have a great time! Also, sometime during the meeting we'll be accepting your Nominations to fill three Board Director positions and the Under 22 in preparation for the December Election. So, be sure to make it out to a very FULL meeting and we'll see you there!



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NOVEMBER 2015 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 did last year by

collecting food donations! We will be collecting your food/personal contributions at our November 13th CMARC meeting 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 in the Club Room for all your contributions. Last year, at our September 2014 meeting, CMARC donated 250 pounds of food, etc. – wouldn't it be really terrific if we could at least do that amount again this year ... or maybe even top it!! If you can't make the Meeting, but still want to help out, I will gladly accept your donations when you attend RAD's Coffee Break on Saturday nights. Also, if you can't shop and want to donate money, Jane Hosford KC8FSK and myself, will be glad to take your money and buy food stuff for you. We will also give you a receipt so you'll know where your money went, if you'd like.

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

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

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

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

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.

Thank you and 73,
Julie McLain KB8ZXR
CMARC President

**Happy Belated 61st Anniversary to
Don/KD8BD and Gloria Cote,
who celebrated on October 9th!!**

Treasurer's Report

Jerry Waite / KD8GLN - CMARC Treasurer

Bank Balances for Oct. 2015

Primary Share Acct. (Humphreys Fund)	\$1,092.11
Business Checking	\$4,696.95
Net Worth	\$5,789.06
Youth Fund Balance*	\$253.64
Building Fund (Club Station)	\$9.09
Field Day	\$472.51

* Separate from CMARC Funds

November Birthdays

11/1 Daniel Beuchert/WX8MOJ
11/3 Elizabeth Johnson/KD8HRH
11/8 Michael Mather/KA8PME
11/9 Mark Carter/KD8YUY
11/15 Matthew Miller/KD8OOS
11/15 Beverly Stoner/K8ZJU
11/16 Stephen Binns/KD8WVG
11/18 Linda Dunahoo
11/18 Marvin Sommer/WB8OIP
11/24 Bernard Gaffney, Jr/W8BFG
11/24 Donald Tillitson/WB8NUS 90th
11/25 Daniel Dembinski/KD8YDE

November Anniversaries

11/1 Douglas Goodrich/N8ECL
11/8 Erv/W8ERV and Laurie Bates
11/9 Jim/KC8QWH and Ginny/KD8HPG Hannahs
11/26 Jimmy/KD8IWQ and Linda Dunahoo

Meeting Information CMARC



Don't forget to join us for our next meeting on Friday, **November 13th** at 7:00pm in the Salvation Army building, located at 701 W. Jolly Road in Lansing. For more information, you can check out our website at

www.centralmiarc.com or just get a hold of Club contact Don McLain/KB8RAD at (517) 694-0812 or KB8RAD@arrl.net

ARPSC



The ARPSC meeting for the month of November is at 7:00pm on Monday, **November 17th**. We will be meeting in Lansing at Fire Station #8, on the corner of Marshall Street and Grand River Avenue.

For information about the ARPSC please check out our website at www.lansingarpsc.com

Upcoming Hamfests

Date: **12/6/15** (L'Anse Creuse Hamfest)
Location: Harrison Township, MI
Sponsor: L'Anse Creuse Amateur Radio Club
Website: www.qsl.net/n8lc

REMEMBER

The November 13th CMARC Meeting is where nominations will be accepted to fill three Board Director positions and Under 22 Director position in preparation for the December 11th Election.

The current Board Members whose terms are up are: Julie McLain/KB8ZXR, Don McLain/KB8RAD, Jerry Waite/KD8GLN, and Sam Fitzgerald/N8FPR (Under 22).

Nominations close at the November meeting. Only CURRENT and FULL Members can make a nomination, and vote in the December election. Be sure your membership is up to date.



YOU ARE ALL CORDIALLY INVITED TO JOIN US FOR CMARC'S 2015 ANNUAL CHRISTMAS POTLUCK

WHO'S INVITED?

All Members and Friends of CMARC,
Along with Your Families

WHERE'S IT AT?

The Salvation Army South Corps. Building
Located at 701 W. Jolly Road in Lansing

WHEN IS IT?

Friday, December 11, 2015
At 7:00 p.m.

WHAT SHOULD I BRING TO EAT?

You definitely WON'T want to miss our December 11th "CMARC Christmas Potluck Meeting", which is always the best attended meeting of the year!! And because it's always the BEST attended meeting, we're asking everyone to bring something yummy to contribute to the Christmas Potluck so there will be plenty to go around. You can bring your favorite Appetizer, Casserole, Salad, Holiday dessert, Christmas Candies or non-alcoholic beverage. And Crock pots are always welcome because they always have something really delicious inside like Baked beans, Scalloped potatoes and ham, Holiday meatballs, Chili, or Little Smokies, just to mention a few!!

I'll have a sign-up sheet at the November 13th meeting, so you can write down what you're planning to bring. If you're not sure right now, you can always call me throughout the month of November and then I can let you know what has and hasn't been signed up for yet. We hope you will ALL be able to join us at the 2015 CMARC Christmas Potluck on Friday, December 11th at 7:00 pm! I'll see you there!!

Julie McLain KB8ZXR, Refreshments Coordinator
517-694-0812 or KB8ZXR@aol.com





DECEMBER TEA TIME LADIES' DAYS

December 31st – Dawn/KD8MWA & Daniel/WX8MOJ Beuchert's 8th Anniversary!!

NOVEMBER & DECEMBER'S LADIES TEA TIME LUNCHEONS



Because we will all be so busy preparing for Thanksgiving, we will *NOT* be having a Luncheon in November!! We *WILL* however, be having our Annual Ladies Tea Time Christmas Party on Saturday, December 5th from 11am until around 4pm. Leota KD8SQD has once again graciously invited us to her Church, the Grovenburg United Methodist Church located at 1368 Grovenburg Road in Holt.

Remember Ladies, you are *ALL* invited to attend our Christmas Party, whether you are licensed or not!! So *PLEASE* be sure to attend!! We always have a really great time and I *KNOW* you won't want to miss out!! This year we are each bringing a different kind of Salad (hot or cold), along with any dips or goodies you want, for Lunch. If you have trouble coming up with something, just give me a call and I'll let you know what other's are doing and maybe give you an idea of what you can bring.

Remember to also **BRING 10 – \$1.00 wrapped gifts for the Bingo prizes**, your wrapped \$6.00 gift to exchange, plus \$3.00 for using the Church. You *DON'T* have to exchange gifts or play Bingo if you don't want to, we just want you to come and have fun with us eating and socializing! Please *RSVP* me on Thursday, Dec. 3rd to let me know that you're planning to attend (and what you're bringing). That way, we'll know how many tables to set for the party. If you have any questions just call or email me: Julie McLain, KB8ZXR at (517) 694-0812 or KB8ZXR@aol.com.



LADIES TEA TIME NET

Please join me every Tuesday evening at 7pm on the 145.39 Lansing-area repeater (100 Hz PL) for the "Ladies Tea Time Net". This Net can also be accessed via the EchoLink *DODROPIN* Conference Server (Node ID# 355800). We love to have our Lady Hams out on the air each week, making friendships around the world as we visit together. For those Ladies that don't have a Ham license yet ... as long as you have a licensed husband or friend, who's willing to check you in, you can talk "Third Party" on their Callsign. We just ask them to check in first and then they can introduce you. For all the Gentlemen that like to check in, we always have two chances for you to that—one at the beginning (Short Time or In & Out) in case you can't stick around. There's also a second chance for the guys to check in after the "Ladies Only" spot, if you want to visit longer. So, everyone, pour yourself a nice cup of tea, key up the mic and join me for the "Ladies Tea Time Net" ...I'll be listening for you!! 73, Julie McLain, KB8ZXR – Net Control



Equipment for Sale

Please call Gregg Mulder/WB8LZG **AFTER 5PM** at 517-646-6257. Offers are accepted!

- | | |
|--|------|
| 1) Hamarlund SX117 Receiver (with clock)
<i>Unknown Condition</i> | \$75 |
| 1) Kenwood TM231 2-meter Mobile
<i>Works Great</i> | \$50 |
| 1) Kenwood 12-amp Power Supply
<i>Works Great</i> | \$50 |
| 1) Kenwood 2-meter Hand Held
<i>Works Great</i> | \$40 |
| 1) Icom 2m/440 Hand Held
<i>Works great but needs new battery</i> | \$60 |

Remaining Items from the Estate of Louis Larche/KD8BWL

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. Contact me at 517-896-3570 or kfaiver@sbcglobal.net. -- Ken / W8HNI

- Kenwood SP-230 ham speaker, with audio filters -- **\$75**
- 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**
- Radioshack HTX-420 Handheld FM transceiver -- 3 to 4 watts -- 2M & 70cm -- with AC adapter. Includes electronic compass. (needs new battery). -- **\$65**
- Radioshack Pro-97 Scanner Receiver -- triple trunking -- 1000 channel. With AC adapter. (battery not included). Good condition -- **\$75**
- RCA VWV-120A voltmeter -- AC power line monitor -- **\$12**
- Leader LPM-885 SWR/power meter -- 3 ranges: 20, 200, 1000 watts
- Pyramid CB-1000 speaker -- mobile speaker
- RL Drake 1525 EM microphone -- mike with touch tone ham keypad -- **\$5**
- MFJ-418 Morse Code Tutor -- w/ LCD display, pocket sized, for learning (improving) CW skills -- **\$40**
- Low-pass filter -- no specifications -- **\$3**
- 3-shelf wooden structure, designed to hold ham equipment (no charge. Come and pick up)

A new Heathkit! So, why am I not excited?

By Dan Romanchik, KB6NU



A couple of weeks ago I got an e-mail from Heathkit. Yes, the NEW Heathkit. you might remember that a couple of years ago, there was all this hype about a “new” Heathkit and how they were going to start designing new kits as well as revive popular old

designs.

Then, nothing. They went completely quiet—until a couple of weeks ago. In an e-mail sent to their “insiders,” they say:

“Dear Heathkit Insider,

‘What I really hope Heathkit will produce,’ a Silicon Valley colleague recently told me, ‘is a new radio kit with a beautiful finish, maybe in rosewood.’ Something great to enjoy building and learn from, and also visually stunning, so he could put it in his living room and keep it forever.

“Today, my friend gets his wish.

They then go on to explain all of the work they’ve been doing in relocating Heathkit to Santa Cruz, CA, acquiring a second company, and securing all the intellectual property rights to the old Heathkit manuals and logos (meaning no more bootleg copies on the Internet). The e-mail continues:

“That’s a lot, but there’s more. We’ve designed and developed a wide range of entirely new kit products. We authored the manuals for these kits, complete with the beautiful line art you rely on, preserving and respecting our iconic historic Heathkit style. We developed many new inventions and filed patents on them.....We built the back office infrastructure, vendor and supply chain relationships, systems, procedures, operations methods, and well-thought-out corporate structure that a manufacturing

When not thinking about what kit to build next, Dan, KB6NU, operates CW on the HF bands (mostly 40m and 30m). His #1-rated amateur radio blog can be found at KB6NU.Com, and you can e-mail questions, comments, or complaints to cwgeek@kb6nu.com.

company needs to support its customers, to allow us to scale instantly the day we resume major kit sales. All this effort enables us to introduce a fleet of new kits and helps ensure Heathkit can grow, prosper, and continue to bring you great new products for a very long time.”

So, what’s the exciting news? A new QRP transceiver? Maybe a shortwave radio? A new 100-in-1 experimenter kit for Makers?

Uh-uh. Sorry. The “exciting” news is a tuned radio frequency (TRF) AM band (yes, I said AM band) radio kit that costs \$150 (<https://shop.heathkit.com/shop/product/explorer-jr-trf-am-radio-receiver-kit-black-case-gr-150-bk-16>). Not only is that crazy expensive for an AM radio, it doesn’t even come with a speaker. On top of that, there’s no soldering. You screw all of the components to the board. I’m speechless (well, figuratively, not literally).

I’m not sure what the target market is for this product. It’s certainly not amateur radio operators, who expect a lot more (in terms of both functionality and “fun”) for their money. Nor is it the “Maker” folks, who want something more challenging than an AM radio. I think that if I took this to show off at the local Ann Arbor Maker group, they’d laugh me out of the place.

I really hope that they have something better up their sleeves. A strong Heathkit would be good for the Maker movement and for ham radio. •

Rolling yer own DX-pedition here at home, Part II

By Gregg Mulder, WB8LZG



After months of anticipation, the big day was at hand. My XYL, Vicki and I boarded the plane in Lansing and were on our way to visit our son Jordon in Minot, North Dakota. Flights were near perfect and we landed in Minot just as Jordon was finishing work for the day. The evening was a delight. We dined out at one of the local fine restaurants with Jordon and his girlfriend Ally. After much “catching up” we all went home

and turned in. It’s funny how you can just sit in an airplane seat all day and “be bushed”. Next morning I was up early unpacking the radio gear.

I went out to find a fishing pole with which to launch some lines to hoist my dipoles. The temperature difference was immediately apparent. When we left Lansing it was 60-some degrees. Minot was 30s and yes, a flake or two of snow was falling! I was going to have to be fast or freeze! I found the fishing pole and proceeded to look for limbs high up in the trees. My first cast hit “pay dirt” right away, and I soon had the 20-meter dipole’s apex up about 30 feet. My second attempt was not so good. I got it over the limb I wanted, but the sinker wrapped around a bunch of little branches and was not coming down! I gave the line a swift yank and made it even worse. AHHHH! Oh well, I wound up as much line as I could and with a firm tug, broke it off. I quickly got another sinker out and tied it to the line. My fingers were getting cold already. To my relief, the next shot was right on the money, and the 40-meter dipole was soon up about 30 feet also. The 40m was strung E-W, and the 20m was strung N-S, so I figured I’d get some good coverage of the continent. I stuffed the ends of the coax feedlines into the “shack” window and made a swift retreat into the nice warm house, grabbed a “warmer on my Joe” and went in for the “smoke test”. I still had a couple days before Sweeps, and I was going to operate N 0 T and promote the Souris Valley Art Fest, happening during the week in Minot. After cabling it all up, I was happy to hear the “sweet music of Morse code” upon power up! A quick check of the SWR meter on the tuner showed that all was well, and I cranked the power on the ICOM 706 up to QRO, 50-60 watts. Being a steadfast QRP’r, it was tough. It almost hurt, but I wanted to give lots of folks a chance at putting North Dakota in their logs. A quick CQ, and N 0 T was “on the air”! I figured on concentrating around the QRP “watering holes” to hopefully work lots of QRP’r’s, and I wasn’t disappointed. Several “little pistols” had good signals into Minot. I was very pleased to work several NAQCC members that I QSO with in the monthly sprints regularly, and exchange numbers, as well as a couple of SKCC boys too! It was pleasant to have a QSO and chat with these guys, and get to know them better. The page in the log was filling up nicely, and I decided to give those “phone guys” a chance to play also. Lots of fun as the page filled up. Even got to chat with the student Ham’s at W8SH at Michigan State University where I usually start my mornings! After a couple pages of Q’s in the log, I figured to join the family for a while, have lunch and be social. Also got called upon for the “dads expertise” in a bathroom faucet leak, and actually got it fixed with only one trip to the hardware store! Wheee Heee! That never happens back home. (Those of you homeowners out there know what I mean)



As Thanksgiving was approaching, and we weren’t going to be there for the actual holiday, we decided to do an early holiday, and the next day Jordon had a big turkey with all the fixin’s cookin in the kitchen. Perfect for leftover sandwiches during the Sweeps I thought! Had a typical “eat too much” dinner and with hunger at bay, slinked off to fill another page in the log.

Rolling yer own DX-pedition, Part II *continued from page 8*



Finally, the start of Sweepstakes was at hand. All was in readiness. For “traditions sake” I had opted not to bring ANY electronic devices with me to aid in any way. The “true essence” of Sweeps the way I was taught. Pencil n paper and a good ear. No computer to “look up” where the spots were. No logging program, and No memory keyer. None of that “fancy stuff”. Just the rig, a key, and me. (What more is there for a diehard Sweeps boy?)

From the start, things went perty good. I decided to play S & P up and down the band on 20 and surprise a few guys with the ND section right off the bat. It was great fun, and several of the stations took the extra time to say “TU fer ND es GL”. I also decided to be a bit more friendly

and casual, and was also wishing all of my QSO’s “TU 73 es GL”. No, you won’t get the “hot rates” that way, but you may get a bit of a smile from the op on the other end I thought. After a page of search es pounce, I went to the upper end of the pileup and started calling CQ. Went slow at first. Then I got “spotted”, because I was getting several callers at times. YES! This is what I came for. The “fast action” was not to last however, due to the “ever expanding pack” jumping right in there “next door”. I had to slowly QSY up the band to avoid being “eaten alive” by the KW boys with lots of aluminum in their arsonals. Oh well, that’s the way of it. This is SWEEPSTAKES! No room here for the “faint of heart” and “No crybabies allowed!” It was “Dog eat Dog” for the next few hours as I would find a spot, make a few QSO’s, get over run, move, and over again. Dinner Break! Whew! Took a breather and contemplated strategy while I ate. Back in the chair, I switched to 40 to try my luck there. 40 was wall to wall “Bedlum”! Every spare kilocycle was being ionized in a staccato string of dits n dahs echoing through my ears! Even with the narrow filters “in” it was

at times, perty wild n crazy! I love it! It wouldn’t be any fun at all if I didn’t have to “work for it”, yet they weren’t going in the log as fast as hoped for in my “DXer Dreams”. Hi. Well got another page in, and all the California sections, the 8’s, 9’s, 2 land. Then 40 went noisy and after a few “hard Q’s” on 80, I decided to hit the sack for a few hours, and regroup fresh in the early AM to grab the rest of the east coast.



Next morning the 1’s were booming in on 40m. Seems all there was, was 1’s. Came back from a quick breakfast and more bedlam ensued. Went to 20, crazy there. Tried 15, a bit better, as several new sections were retrieved there. Swapped it up 40, 15, back to 40. Trying to find the “glory hole” on one band or the other. Things started slowing down and

the lack of sleep was catching up to me. Early evening was nigh, and I decided to “pull the plug”. Still had a couple hours of contesting left, but my son’s hockey team was playing that night and I wanted to see him play. Good call, as we got to watch him score a goal! Icing on the cake for the trip! (My rear end was a tad sore anyways.) Was I up in the thousands on QSO counts? No, but I did fill six pages of log with more fun than I’ve had in quite a while on the air.

Highlights for me, besides being with family, I really enjoyed the pre-Sweepstakes QSO’s I had with many of the NAQCC QRP gang, and several just plain ‘ol nice “rag chews”. Made a few phone QSOs too. (Oh the shame) One with Reece, KD8VWY at W8SH on the campus of MSU. Also putting W8SH in the log with Ed, W8EO at the helm during the Sweeps. The unexpected fun of running into and working Joe, N7IV right there in Minot. Small world! We took the extra time to wish each other “GL” in the Sweeps. It put a big grin on my face to grab the ND section myself with the N 0 T Sweeps Special Event call. All in all, best birthday present I’ve had or probably ever will, thanks to my XYL, Vicki and son Jordon for the “time of my life” as N 0 T ! •

CMARC Board Meeting

October 9, 2015

President Julie McLain/KB8ZXR called the meeting to order at 6:35 pm with the following board members in attendance: Secretary Jane Hosford/KC8FSK, Treasurer Jerry Waite/KD8GLN, Director Don McLain/KB8RAD, and Director Chris Ranes/NS8Q. Vice President Tom Rocheleau/WA8WPI and Under 22 Director Sam Fitzgerald/N8FPR was excused.

- There are no new silent keys.
- Cards and flowers report: Get-well cards were sent to the wife of Matt Beha/N8BPI and to Al Conn/W8RXY.
- CW class has been postponed.
- Club directory: ask Dan/KD8YDE.
- Dale Williams/WA8EFK is our speaker for tonight.
- November's meeting will be animals from Potter Park Zoo with Ted Sadilek/WA8MFQ and his wife. In November, we will also be taking nominations for the 2016 Board, with elections in December. Three directors are up, Don/KB8RAD, Julie/KB8ZXR and Jerry/KD8GLN plus the under 22 Sam Fitzgerald/N8FPR.
- Need to finish 501C3.
- Tower protection: Bob/K8RDN
- Chris/NS8Q has been in contact with someone to recreate a new CMARC logo that also includes the ARRL logo. It will cost \$25.00.
- Need a SATERN liaison.
- There is no need for a public relations manager at this time, so that position will be taken off the website.
- Today is Don/KD8BD and Gloria Cote's 61st wedding anniversary. Congratulations.
- Food and donation drive for the Salvation Army for October and November.
- Motion to adjourn made by Jerry/KD8GLN, seconded by Chris/NS8Q and approved.
- Meeting adjourned at 6:56 pm.

Meeting adjourned at 6:56 pm.

Respectfully submitted,

Jane Hosford/KC8FSK - Secretary

CMARC Meeting Minutes

October 9, 2015

President Julie/KB8ZXR brought the meeting to order at 7:00 pm.

We do have nametags for everyone if you do not have your own, so please use, so we know who everyone is.

We started the meeting by doing the Pledge of Allegiance. John/KD6KCX held the flag.

SILENT KEY REPORT: None.

- A moment of silence for our silent keys.

ATTENDANCE:

- There were 36 people in attendance.
- Visitors included Mary Tillitson, Gloria Cote, Bill Coon/KC8LRM, Vicki Dembinski, and Dale Williams/WA8EFK.

NEW LICENSES, UPGRADES AND VANITY CALLS: None.

CARDS AND FLOWERS REPORT:

- We sent get-well cards to the wife of Matt Beha/N8BPI and to Al Conn/W8RXY.

INTERESTING DX CONTACTS: John/KC8QZB-Puerto Rico.

PLEASE PAY YOUR DUES: NEW HAMS GET ONE YEAR FREE MEMBERSHIP

- CMARC dues to Jerry/KD8GLN and LCDRA dues to Julie/KB8ZXR.

CONTESTS: There are no contests at this time.

NEW BUSINESS:

- A motion to accept the September secretary's report as printed in the October Scope was made by Ted/WA8MFQ, seconded by Bob/K8ZAP, and approved.
- A motion to accept the September treasurer's report as printed in the October Scope was made by Mark/KD8YUY, seconded by Don/KB8RAD, and approved.
- LCDRA meeting October 15 @7:00pm.
- CW classes have been postponed.
- Club Directory: Dan/KD8YDE is still needs to get stuff off his computer.
- November meeting will be nominations for the 2016 Board. Don/KB8RAD, Julie/KB8ZXR and Jerry/KD8GLN are up this year, along with the Under 22 director Sam/N8FPR. Jerry/KD8GLN is not running again, Don/KB8RAD is willing to run again. Nominations are only taken in November with elections in December. December is also our annual Christmas party so start thinking about what you want to bring and let Julie/KB8ZXR know.
- Salvation Army food and donation drive in October and November. Last year we donated 250 pounds of food, let's see if we can do better this year. Instead of donating money, if you are unable to go shopping, you can give your money to Julie/KB8ZXR or Jane/KC8FSK and they will do the shopping for you.
- Tower protection: Bob/K8RDN is looking for help on the 17th @9:00am to work on it. John/KC8QZB and Joe/K8JJU volunteered to help.

- Thanks to Dan/KD8YDE and Vicki for the hog roast, they had at their house for everyone. Dan/KD8YDE thanked John/KD6KCX and John/KC8QZB for spending the night and helping with the hog roast.
- Dan/KD8YDE brought in a box of pamphlets from YAESU. Help yourself.

UNDER 22 REPORT: None.

50/50: Debbie/KD8YUX won \$14.50.

Motion for break made by Michael/W8MKB, seconded by Jerry/KD8GLN and approved.

PROGRAM:

- Dale Williams/WA8EFK from the ARRL. He is the current director for the Great Lakes Division of the ARRL.

Motion to adjourn by Bob/KB8DQQ, seconded by Bob/K8ZAP and approved.

With all business concluded, the meeting was adjourned at 9:20 pm.

Dan/KD8YDE asked to use the Club's canopies for the pig roast at his place on October 3.

Don/KB8RAD made a motion, to allow Dan/KD8YDE to borrow the Club's canopies on October 3. Tom/WA8WPI seconded the motion and it was approved.

Respectfully submitted,

Jane Hosford/KC8FSK-Secretary

Message from the QCWA Net...

By William Cote/WD8NYW

We know that quite a few of you have been hams for at least 25 years--or simply like talking with folks who have been, so please come join us in Chapter 135 of the Quarter Century Wireless Association (QCWA). Our 10-meter net meets every Thursday evening at 9 p.m. on 28.495.

That net frequency was chosen specifically to accommodate Techs who are still shy of General privileges but want more HF experience. In fact, our net control is Debbie Headley, KD8YUX, who's a tech looking to upgrade. We then head for breakfast at 9 a.m. Fridays at either the Brunch House on S. Pennsylvania Avenue at Hazel Street, or at Guerrazzi's, 15643 S. Business 127 (the old MiJo's site). Our 2-meter QCWA net convenes at 8 p.m. Tuesdays under Vice President Don Tillitson, WB8NUS, on 147.70. Check the net the night before to hear which restaurant it'll be.

On every fourth Saturday our monthly general meeting breakfasts at 9 a.m. at the Flap Jack, Waverly Road. If you don't have 25 years in yet, you still can be a chapter associate member with about all QCWA privileges.

All this is going on without the presence, right now, of Chapter President Al Conn, W8RXY, who's been sidetracked after surgery to remove a large thyroid tumor, then back in the hospital to stop bleeding. He's recovering at home.



ARRL VEC

"PRACTICE AMATEUR RADIO EXAMS"
Sponsored by the "Ingham County VE Group"
VE Julie McLain KB8ZXR

Technician Class 2014 Pool

1.) Question T7D02 - What is the correct way to connect a voltmeter to a circuit?

- A. In series with the circuit
- B. In parallel with the circuit
- C. In quadrature with the circuit
- D. In phase with the circuit

2.) Question T1E07 - When the control operator is not the station licensee, who is responsible for the proper operation of the station?

- A. Only the station licensee
- B. The control operator and the station licensee are equally responsible
- C. Only the control operator
- D. All licensed amateurs who are present at the operation

3.) Question T8A07 - What is the primary advantage of single sideband over FM for voice transmissions?

- A. SSB signals are easier to tune
- B. SSB signals are less susceptible to interference
- C. SSB signals have narrower bandwidth
- D. All of these choices are correct

General Class 2015 Pool

1.) Question G9A06 - In what units is RF feed line loss usually expressed?

- A. Decibels per 1000 feet
- B. Ohms per 1000 feet
- C. Decibels per 100 feet
- D. Ohms per 100 feet

2.) Question G6A06 - Which of the following is an advantage of using a Schottky diode in an RF switching circuit rather than a standard silicon diode?

- A. Lower capacitance
- B. Lower inductance

- C. Higher breakdown voltage
- D. Longer switching times

3.) Question G5C16 - Why is the conductor of the primary winding of many voltage step up transformers larger in diameter than the conductor of the secondary winding?

- A. To insure that the volume of the primary winding is equal to the volume of the secondary winding
- B. To accommodate the higher current of the primary
- C. To improve the coupling between the primary and secondary
- D. To prevent parasitic oscillations due to resistive losses in the primary

Extra Class 2012 Pool

1.) Question E9G11 - How are the wavelength scales on a Smith chart calibrated?

- A. In fractions of transmission line electrical frequency
- B. In fractions of antenna electrical frequency
- C. In fractions of transmission line electrical wavelength
- D. In fractions of antenna electrical wavelength

2.) Question E9E12 - What is the primary purpose of a phasing line when used with an antenna having multiple driven elements?

- A. It ensures that each driven element operates in concert with the others to create the desired antenna pattern
- B. It prevents reflected power from traveling back down the feed line and causing harmonic radiation from the transmitter
- C. It allows single-band antennas to operate on other bands
- D. It makes sure the antenna has a low-angle radiation pattern

3.) Question E0A10 - What material found in some electronic components such as high-voltage capacitors and transformers is considered toxic?

- A. Polymorphic silicon
- B. Polychlorinated biphenyls
- C. Polytetrafluoroethylene
- D. Polyethylene

Questions and Answers Copied from ARRL's "Practice Amateur Radio Exams"

found at: <http://www.qrz.com/hamtest/>

****ANSWERS**** Technician: 1-B; 2-B; 3-C General: 1-C; 2-A; 3-B Extra: 1-C; 2-A; 3-B

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 evening at 7pm on the 145.39 repeater (PL 100 Hz), with Net Coordinator Julie McLain/KB8ZXR, and can now also be found on the *DODROPIN* EchoLink Conference Server (ID# 355800)! Everyone is welcome to check in—even all you guys!! This Net has been around now for over SEVEN YEARS (since July 3, 2007), so let’s keep it going and growing!!

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. Be sure to stop by after Julie’s Net and say “Hello!”

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 Julie McLain/KB8ZXR. This Net has been around now for over FIVE YEARS (since November 11, 2009) and is still growing!! Be sure to join Don for a time of FUN, FELLOWSHIP, and INFORMATION!! There will be helpful Ham-related information to share from both Net Control and our check-ins, time for questions and answers, and “Trader’s Net” style on-the-air swapping of Ham-related equipment throughout the Net. Sounds like a good time to me!!

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

Julie McLain, KB8ZXR
(517) 694-0812

Vice President / Webmaster
Tom Rocheleau, WA8WPI

Secretary / Cards & Flowers
Jane Hosford, KC8FSK

**Treasurer /
Salvation Army Liaison**
Jerry Waite, KD8GLN
(517) 882-5406

Director / Club Contact
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(517) 694-0812

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Youth Liaison
Russ Fitzgerald, N8FZ

Photographers
Kenneth Hazlett, N8BVV
(517) 348-5513
Phillip Woodward, KD8ZZK
(517) 803-7081

Meetings
**Held Monthly on the second
Friday of the month at:**
Salvation Army-Capital Area,
701 W. Jolly Rd, Lansing
at 7:00 PM. Board Meeting
begins at 6:30 pm.

CMARC Calls:
W8MAA & W8PLP

LCDRA Officers and Appointees

President

John Imeson, N8JI
(517) 449-1517

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

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wd8bcs@arrl.net

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Membership Chair
Julie McLain, KB8ZXR
(517) 694-0812

Repeater Trustee
Dennis Boone, KB8ZQZ

Meetings
**Held Quarterly on the third
Thursday of the month at:**
Fire Station #48,
Marshall St, Lansing
at 7:00 PM.

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.

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!*

JOIN TODAY!



Lansing Civil Defense
Repeater Association



Lansing Civil Defense
Repeater Association

Any Licensed Amateur can become a member of LCDRA for ONLY \$15 a year! Just sign up today and as a member, you'll receive an annual subscription to "The SCOPE", as well as, voting rights in the Association. All Hams under 18 yrs. are *eligible for FREE membership!*

LCDRA owns, operates and maintains four Lansing Area repeaters, and while use of the repeaters does NOT require membership in LCDRA or CMARC, your support is **very appreciated!!**

Name

Callsign

Address

City

State

ZIP

Phone

Lic. Class

ARRL Member?

Birthday

Wedding Anniversary

Year 1st Licensed

Please supply email for SCOPE mailing

Full ☐ Associate ☐ New Licensee (1 yr free) ☐ Under 18 (free) ☐

Full Membership \$15 per calendar year
(must be a licensed Amateur to obtain a Full Membership)
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Please make your checks payable to "CMARC" and mail to:

Jerry Waite KD8GLN
2816 Cabot Dr
Lansing MI 48911

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City

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ZIP

Phone

Lic. Class

ARRL Member?

Birthday

Wedding Anniversary

Year 1st Licensed

Please supply email for SCOPE mailing

Membership in LCDRA is \$15.00 per calendar year
(Add a family member for only \$7.50 per person, per year.)
LCDRA maintains our four local repeaters
and your support is greatly appreciated!!
(Membership is not required to use our repeaters.)

Please make your checks payable to "LCDRA" And mail to:

Julie McLain KB8ZXR
4444 Sycamore St. #1Holt, MI 48842

Central Michigan Amateur Radio Club
P.O. BOX 27321
Lansing, MI 48909-7321



Central Michigan Amateur Radio Club

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