



THE SCOPE



Lansing Civil Defense Repeater Association

CMARC Christmas Party/Annual Elections!

Yet another year has flown by and it is time to gather for our Christmas Party and to hold our Annual Elections THIS Friday, December 13th!

For those of you not able to make it, absentee voting via email is available up until Midnight the day before election night. Please submit your nominations using the same email address you used when filling out the form to pay your membership dues and remember, only CMARC members who are up-to-date on their dues may vote! Only one vote, per current member, will be counted.

Please do not submit an email vote if you will be present Friday.
The email address for absentee voting is: cmarcvoting@gmail.com

There are 2 vacancies and 3 nominees for **director**, and one for **under 22 director**. Voting is for **2 directors** and **1 under 22 director**.

The nominees for director (choose only 2 out of the 3) are:

- *Don McLain/KB8RAD (Currently Vice President)*
- *Jerry Waite/KD8GLN (Currently Treasurer)*
- *Joe Denomme/N8VYS*

The nominee for under 22 director is:

- *Matt Miller/KD8OOS (Current Under 22 director)*

Scoping out *THE SCOPE*

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MEETING SCHEDULE

GROUP	CMARC 	ARPSC 	LCDRA 
DATE	12/13/13	01/20/14	01/16/14
TIME	7:30 P.M.	7:00 P.M.	7:00 P.M.
LOCATION	SALVATION ARMY	FIRE STATION # 8	FIRE STATION # 8
WEBSITE	WWW.CENTRALMIARC.COM/	WWW.LANSINGARPSC.COM/	WWW.LCDRA.NET/

December

Birthdays

12/1 BOB LEDER/WJ8D
 12/8 WILLIAM SMITH/KD8INX
 12/12 MICHAEL MANNING/N8EUQ
 12/12 TOM ROMANAUSKI/W8LKE
 12/13 WILLIAM TORRENCE/KC8ALL
 12/17 MICHAEL BOENSCH/KD8VHT
 12/17 BOB MARKLEWITZ/K8NNZ *Happy 92nd!*

Anniversaries

12/6 RYAN STEVENSON/KD8TSI
 12/8 JERRY/KD8GLN AND SHARON/KD8HHK WAITE
 12/12 MATT/W8MAT AND JENNIFER WARNCKE
 12/12 DAVE LEISMAN/W8QW
 12/18 RALPH CHAPMAN/WA8NHD
 12/18 BOB/K8RDN AND ANN BERGER
 12/18 GREG MARTIN/K8FSQ
 12/27 CHARLES/N8DWI AND NANCY STAHL
 12/28 JAMES HARVEY/KA8DDQ
 12/28 ARNOLD McCARDELL/W2CWO
 12/31 JAN BRADFIELD/KC8BFBK
 12/31 DAN/WX8MOJ AND DAWN/KD8MWA BEUCHERT

January

Birthdays

1/2 JEFF THRUSH/KD8LMI
 1/3 ROBB HUDSPETH/KD8JBZ
 1/12 TOM CAIN/KB8ZL
 1/21 TONY JONES/N8TSP
 1/23 MARY TILLITSON
 1/23 JOHN INGRAHAM/NG8L

11/21 DON RICKERD/W8BQD **Missed Birthday!**

CMARC MEETING

The next monthly meeting of the “Central Michigan Amateur Radio Club” will be on Friday, December 13th at 7:30pm in the Salvation Army building, located at 701 W. Jolly Road in Lansing. There will NOT be a program in December. Instead, we will have our Annual Elections and the CMARC Christmas Party Potluck!! Everyone is invited and we look forward to having a wonderful time of good food, good fun, and good fellowship, so come on out and join us—and bring along your family and friends!! Julie/KB8ZXR has the sign-up sheet for the Potluck, so please contact her at (517) 694-0812 or KB8ZXR@aol.com to let her know what you will be bringing and/or if you would like to know what is needed—so we’ll have a nice variety of food and won’t all be bringing the same thing. For the latest information and updates about all the other happenings at CMARC, please check out our website at www.centralmiarc.com or consult our Club contact Don McLain/KB8RAD at (517) 694-0812 or KB8RAD@arrl.net.



**YOU ARE ALL CORDIALLY INVITED TO JOIN US FOR
CMARC'S ANNUAL 2013 CHRISTMAS POTLUCK**

WHO'S INVITED?

**All Friends and Members of CMARC,
Along with Your Families**

WHERE'S IT AT?

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

WHEN IS IT?

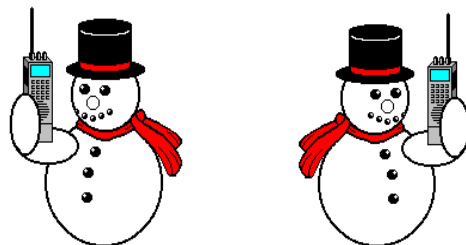
**Friday, December 13, 2012
At 7:30 p.m.**

WHAT DO I NEED TO BRING?

Because our December meeting is usually the best attended meeting of the year, we're asking for everyone to bring something to contribute towards 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 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 2013 CMARC Christmas Potluck on Friday, December 13th at 7:30 pm! See You then!!

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





DECEMBER TEA TIME LADIES' DAYS

December 19th – Jane/KC8HJQ & George/KC8DVV Newton's 33rd Anniversary!!
December 31st – Dawn/KD8MWA & Daniel/WX8MOJ Beuchert's 6th Anniversary!!

DECEMBER'S & JANUARY'S LADIES TEA TIME LUNCHEONS

I hope you will all be able to attend our Ladies Tea Time Christmas Party on Saturday, December 7th from 11am until about 4pm. We'll be meeting once again at the Grovenburg United Methodist Church, 1368 Grovenburg Road in Holt. Please remember to bring ten-\$1.00 wrapped gifts for the Bingo prizes, a wrapped \$5.00 gift to exchange, plus an appetizer for our meal. Let me know you're coming by Thursday, Dec. 5th and for any questions...just call! See you there! (517) 694-0812 or KB8ZXR@aol.com

Also, our first Ladies Tea Time Luncheon of the New Year will be on Saturday, January 18, 2014 at 12:30pm and we'll be meeting at the Bob Evan's Restaurant located at 900 American Road in south Lansing. Remember, this invitation is for ALL Ladies, whether you have a Ham license or not!! So, please make plans to join us for a good time of food, fellowship and fun! 73!



LADIES TEA TIME NET

Please join the "Ladies Tea Time Net" every Tuesday evening at 7pm on the 145.39 repeater (100 Hz PL). This is an informal Net and its main purpose is to encourage our Lady Hams to use their licenses!! Besides, its fun getting out on the air and talking with Ladies in other parts of the country and world! We even encourage un-licensed Ladies to join us by checking in "Third Party" on their friend or husband's Callsign. And we give the Gentlemen a couple of opportunities during the Net to check in, too!

You may be surprised to hear that this Net isn't just for those Hams in range of this repeater, either. Because our Net is connected via NE8K to the *DoDropIn* EchoLink Conference Server (ID # 355800), our "Ladies Tea Time Net" is heard around the world, as well! And we've had fun talking to Lady Hams in Japan, British Columbia, Florida, New Hampshire, Idaho and New Jersey, just to mention a few. And we've also talked with Gentlemen Hams from Belgium, Newfoundland, Hawaii and other parts of the world! So, pour yourself a nice cup of tea, pick up the mic and join me for the "Ladies Tea Time Net" ...I'll be listening for you!!

~Julie McLain, KB8ZXR~

Ladies Tea Time Net & Luncheon Coordinator
(517) 694-0812 or KB8ZXR@aol.com

Antennas and Sweeps

For the past several months, we have been working to get up our club antennas, namely the three element tri-band (10, 15, & 20 meters) beam and a new off-center-fed (OCF) dipole that covers most of 6 through 80 meters. While we were able to determine that the antennas were working with good SWR throughout the bands they were designed for, we didn't have much opportunity to check them out until Sweeps. Luckily, Gregg Mulder – WB8LZG – was quite interested in working from W8PLP for the ARRL November Phone Sweepstakes, and helped get us setup for some fun and contesting.

On November 16th, we gathered at the club room and prepared for contesting. Gregg had the paperwork and logging software up and ready to go, and Don DeFeyter-KC8CY and Ken Kruger-W8AAX were there to help cheer us on, and we were able to get going with several operators until we ran out of steam around 11:30, if memory serves me correctly. Our operators for that night included Gregg, myself (Daniel Beuchert-WX8MOJ, Michael Boensch-KD8VHT, Matt Miller-KD8OOS, and Chris Ranes-NS8Q. The cool part is that we were able to rack up 150 contacts in 65 (out of 83) sections in the 7 hours we operated. Above all, we were able to gain some fellowship on the air and have fun with fellow club members!



Gregg-WB8LZG, Dan-WX8MOJ, Ken-W8AAX, Don KC8CY: Gearing up for Sweeps



Matt-KD8OOS and Michael-KD8VHT operating W8PLP

Those who have helped out in some way on the antennas includes (but may not be limited to) Tom-WA8WPI, Bob-K8RDN, Ken-W8AAX, Don-KC8CY, Ken-KC8LTL, Chris Ranes-NS8Q, John-KC8QZB, Jerry-KD8GLN, John-KD8NNQ, Tony-N8TSP, John-N8VYS, Matt-KD8OOS, Carl-K8YHH, and John-KD6KCX. It takes a dedicated club to get this much support and I am thankful for all of the help!

Looking forward, this coming weekend, right after the CMARC Elections and Christmas Potluck, is the **ARRL 10 Meter Contest!** We want **YOU** to come and operate! This is a great way to gain some experience in HF operation, get rid of any rust you might have, and gain some helpful tips and guidance from operators that have good experience. Anyone is welcome, and we want to know if you are interested (yes, you too Ladies, I'm going to stick to my challenge I made on the Tea Time Net about getting more Ladies out contesting for W8PLP). Please let me know at WX8MOJ@ARRL.NET or at this Friday's CMARC meeting! If you don't know if you want to come on over, please remember that we are here to have fun and promote the hobby!



Dan-WX8MOJ and Matt-KD8OOS working the bands

Respectfully Submitted,

Daniel Beuchert – WX8MOJ
CMARC President

Buggy Antenna

Ken Kruger, W8AAX, and Al Conn, W8RXY, look over what they found inside the MFJ 1786 Super Loop antenna of Bill Cote, WD8NYW – more than 15 dried-up wasp nests, and a few live residents buzzing around when Al took down the insects' home atop the 20-foot tower. Bill still uses his long wire antenna, but now he can try out the loop again!



I've got a QUESTION...or should I say...QUESTION POOL??

“PRACTICE AMATEUR RADIO EXAMS”

Sponsored by the Ingham County VE Group
VE Julie McLain KB8ZXR

• **Technician Class 2010 Pool**

1. Question T1A07 - What is the FCC Part 97 definition of telemetry?

- A. A one-way transmission of measurements at a distance from the measuring instrument
- B. A one-way transmission to initiate, modify or terminate functions of a device at a distance
- C. An information bulletin from a VEC
- D. An information bulletin issued by the FCC

2. Question T6A08 - What electrical component is used to connect or disconnect electrical circuits?

- A. Variable resistor
- B. Inductor
- C. Zener Diode
- D. Switch

3. Question T6C01 - What is the name for standardized representations of components in an electrical wiring diagram?

- A. Electrical depictions
- B. Component callouts
- C. Grey sketch
- D. Schematic symbols

• **General Class 2010 Pool**

1. Question G4A04 - What reading on the plate current meter of a vacuum tube RF power amplifier indicates correct adjustment of the plate tuning control?

- A. A pronounced dip
- B. A slow, rhythmic oscillation
- C. No change will be observed
- D. A pronounced peak

2. Question G4E03 - Which of the following direct, fused power connections would be the best for a 100-watt HF mobile installation?

- A. To the alternator or generator using heavy gauge wire
- B. To the alternator or generator using resistor wire
- C. To the battery using resistor wire
- D. To the battery using heavy gauge wire

3. Question G5A09 - What unit is used to measure reactance?

- A. Siemens
- B. Farad
- C. Ampere
- D. Ohm

• **Extra Class 2010 Pool**

1. Question E8C03 - What is one advantage of using the ASCII code for data communications?

- A. It includes built-in error-correction features
- B. It contains fewer information bits per character than any other code

- C. It uses one character as a shift code to send numeric and special characters
- D. It is possible to transmit both upper and lower case text

2. Question E3C11 - From the contiguous 48 states, in which approximate direction should an antenna be pointed to take maximum advantage of aurora propagation?

- A. East
- B. South
- C. North
- D. West

3. Question E7A12 - What is the name for logic which represents a logic "0" as a high voltage?

- A. Reverse Logic
- B. Negative logic
- C. Positive Logic
- D. Assertive Logic

Questions and Answers Copied from ARRL's "Practice Amateur Radio Exams" found at:
<http://www.qrz.com/hamtest/>

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

VE TESTING SESSIONS

Ingham County VE Group

Location: Ingham County Sherrif's Department, Mason
Contact: Don McLain/KB8RAD (517) 694-0812 KB8RAD@ARRL.NET
Thursday @ 7:00 p.m. TBA
Saturday @ 11:00 a.m. TBA

Eaton Co. ARC

Location: Eaton Co Sheriff Dept-EOC,1025 Independence Blvd. Charlotte, MI 48813
Contact: Mark Korroch(WB8TGY) (517) 645-2378 wb8tgy@yahoo.com
Saturday at 12:00 p.m. 12/14/13

Corunna VE Team

Location: American Red Cross, 702 Corunna Ave, Corunna MI 48817-1230
Contact: Thomas Carpenter/KI8AS (989)277-2262 KI8AS@CHARTER.NET
Thursday@ 7:00 p.m. 12/26/13

[Editor's Note: Here's another "Blast from the Past", it is for the most part, reprinted as it appeared in the June 2008 edition of the SCOPE. Some of the details may have changed since then, for instance -- Jerry has since then, proudly served on CMARC's Board for the past 4 years. Have fun reading!!]

"WHAT'S MY SIGN?" by Julie McLain, KB8ZXR

I was born on June 17, 1942 at St. Lawrence Hospital in Lansing. I grew up in a family with five sisters and they loved me and spoiled me rotten! It was great! I never had to do dishes, or any cleaning – nothing of that nature. Later on, when I graduated from Eastern High School, I took a few courses at LCC and when I was 19, I joined the Air Force with the rank of Airman Second Class. Most of my 4-year stint was served in Sault St. Marie, except for the 6 long months I spent in Okinawa – during the monsoon season!

My stepfather was a Radio/TV repairman and in 1952, Dad built a television from a Heathkit and we became the very first family on our block to have a TV. The only time I was ever able to help Dad while he was working was when he was putting in a grounding rod. Then I sliced my thumb so badly I wasn't ever allowed to help him again. Even with his radio background he never became a Ham, and although I always enjoyed listening to Shortwave Radio as a kid, I never got involved with Amateur Radio until 2007.

I met my future wife when one of my sisters introduced me to a girl she was sharing a house with. We hit it off well and in 1976 we were married. This July we will have been married for 32 years. I have 3 children from a former marriage and my wife and I have been blessed with one of our own. We also have six grandchildren ranging in ages from 7 to 18 years old. One of our grandsons lives with us and we are extremely involved with the others. I was employed at MSU for a total of 30 years where I worked for awhile as a gardener, then 16 years as a tree trimmer (until I fell out of a tree and became the groundskeeper with the Athletic department). In 1995 I finally retired and then REALLY got busy!

As a retiree, I spend anywhere from 15 to 30 hours a week volunteering, which includes working for the Lansing Police Department patrolling the River Walk and fingerprinting kids for the "Safety Prints" program, as well as helping out with CERT (Community Emergency Response Team), where I enjoy playing the part of a "victim". We are first responders until the professionals arrive and do Search and Rescue, Triage and other Public Service events. When I have the time, I also participate in the RSVP (Retired Senior Volunteer Program) where I was recently at Ingham Medical Hospital for the "Code Silver" full-scale disaster exercise. I had been given the role of someone calling in to report a shooter. At one point I was escorted out of the building by Officers from the Lansing Police Department with "fake" guns drawn. I knew it was just "acting" and for training purposes, but it sure felt real to me! I am also a part-time FEMA volunteer and have been deployed to North Carolina, Louisiana, and spent two times in Texas helping hurricane victims. Every Tuesday, I volunteer for my grandson's Second Grade class helping the students with their reading and word skills. [Editor Note 12-13: Jerry continues as of today, to volunteer for Pleasant View Elementary School helping the second grade students.]

I heard about Amateur Radio when I took my first SKYWARN class and thought it would be an asset to all the things I was already involved in. So, on June 9, 2007 I passed my Technician Class License exam and two weeks later I attended my first Field Day event. It was there (with the help of Don, KB8RAD and Bob, K8RDN) that I decided on the HT I was going to purchase and have been having fun ever since! Now, less than a year later, I'm in the process of studying for my General Class License upgrade so I'll be able to have even more privileges on the Ham bands. My current equipment includes an IC-2200 Mobile with a Ringo Ranger Antenna and an Alinco DJ-596 HT, but hope to add some HF equipment in the future. I've been taking advantage of every opportunity to practice my communication skills, so in the past year I've volunteered for many of the various walk-a-thons in the area, done a little contesting, and have recently been trying my hand at SSTV. I'm also looking forward to participating in SKYWARN. I'm currently a member of CMARC, the Lansing/Ingham ARPSC and am RACES certified. In my spare time I also love to dabble with Photography, go fishing and listen to my Police Scanner.

As of yet, none of our kids are Hams, but our 7-year-old grandson Tommy seems interested and has a lot of fun checking into Cory, KD8BOQ's Central Michigan Youth Net. After claiming she would never do so, my wife surprised me and got her Technician License on November 21, 2007 and is also currently working on getting her General Class License upgrade.

When asked if I had any words of wisdom regarding Ham Radio or life in general I would like to pass on, my only response was, "LOVE ONE ANOTHER"! I'd also like to say that the Scope is really, really excellent!

There, now that we're a little better acquainted, "What's My Sign?" My Callsign is KD8GLN, my name is Jerry Waite and my wife is Sharon, KD8HHK.



CMARC BOARD MEETING November 8, 2013

President Dan Beuchert/WX8MOJ called the meeting to order at 7:03 pm with the following board members in attendance: Vice President Don McLain/KB8RAD, Treasurer Jerry Waite/KD8GLN, Secretary Jane Hosford/KC8FSK, Director Sharon Waite/KD8HHK, Director John Doornhaag/KD8NNQ, and Under 22 Director Matt Miller/KD8OOS.

- Silent keys: No new silent keys.
- Roger Barnhill/AB8RX had a defibrillator put in today. He is doing good.
- 501c3-nothing new to report.
- Antenna work: tri-band, 2m vertical, W8AMZ OCF-dipole are up.
- Tower protection ideas.
- Praise for helpers: Joe Denomme/N8VYS, Don Defeyter/KC8CY, Bob Berger/K8RDN, Ken Kruger/W8AAX, Ken McGuire/KC8LTL, Chris Ranes/NS8Q, John Hosford/KC8QZB, Tom Rocheleau/WA8WPI, Jerry Waite/KD8GLN, Tony Jones/N8TSP, Matt Miller/KD8OOS, Carl Canfield/K8YHH, John Tyree/KD6KCX, John Doornhaag/KD8NNQ.
- Insurance for director and officer coverage.
- ARRL membership matching.
- Inventory/cleanup of club room.
- Voting method-email. Needs to put something on website for voting. Voting email is cmarcvoting@gmail.com
- Phone sweepstakes November 16, 2013.

Motion to adjourn was made by Don/KB8RAD, seconded by Dan/WX8MOJ and granted.

Respectfully submitted,
Jane Hosford/KC8FSK-Secretary

CMARC MEETING MINUTES November 8, 2013

President Dan Beuchert/WX8MOJ called the meeting to order at 7:35 and welcomed both members and visitors attending tonight.

Moment of silence for silent keys.

Silent key report:

ATTENDANCE:

There were 51 people in attendance. Visitors included Gloria Cote, Debbie Headley, Ben Barker/WD8OVL, Steve Baker/KD8SLC, Brandi Denomme, Roy McCloud/KA8VSH, Larry Camp/WB8R and Mary Tillitson.

NEW LICENSES, UPGRADES and VANITY CALLS:

CARDS AND FLOWERS REPORT:

Get well card was sent to Roger Barnhill/AB8RX. He had a defibrillator put in and is doing good.

INTERESTING DX CONTACTS:

Brian/KD8ONC-Island of Cape Verde.

OLD BUSINESS:

- Cheryl/KD8QFE made a motion to accept the secretary's minutes as provided in the October Scope. Seconded by Don/KB8RAD and approved.
- John/KC8QZB made a motion to accept the treasurer's report as provided in the October Scope. Seconded by Brian/KD8ONC and approved.
- 501c3-looking through the constitution.
- Antenna report and thanks. Thanks to Joe Denomme/N8VYS, Don Defeyter/KC8CY, Bob Berger/K8RDN, Ken Kruger/W8AAX, Ken McGuire/KC8LTL, Chris Ranes/NS8Q, John Hosford/KC8QZB, Tom Rocheleau/WA8WPI, Jerry Waite/KD8GLN, Tony Jones/N8TSP, Matt Miller/KD8OOS, Carl Canfield/K8YHH, John Tyree/KD6KCX, John Doornhaag/KD8NNQ. Sorry if anyone was missed.
- Tri-band, 2m vertical, W8AMZ OCF-dipole are up.
- There is a laminated club license in the club room.

Please pay your dues. CMARC dues to Jerry/KD8GLN and LCDRA dues to Julie/KB8ZXR.

NOTE: If you want your birthday and/or anniversary announced in the Scope please fill out the membership form in the Scope or online.

NEW BUSINESS:

- Nominations for the 2014 Board of Directors, Matt Miller/KD8OOS-under 22, Don McLain/KB8RAD, Jerry Waite/KD8GLN and Joe Denomme/N8VYS were nominated and they all accepted their nominations.
- Ron/WD8BCS made a motion to close nominations, seconded by Julie/KB8ZXR and approved.
- The election committee is: Ron Harger/WD8BCS, Julie McLain/KB8ZXR and Jim Hannahs/KC8QWH. They will count the votes that come in through email and done in person at the December meeting. Only members can vote, one voter per member.
- Don/KD8BD made a motion, seconded by Ron/WD8BCS that the two-year term people remain and then go back to the by-laws. Motion accepted.
- Upcoming events: Veterans Day Parade, November 11, 2013, Silver Bells, November 22, 2013.
- Please remember our veterans every day, not just on Veterans Day.
- Sunday, November 10th, is the Marine Corp 238th birthday.
- ARPSC meeting Monday November 18, 2013.
- December meeting will be our annual Christmas party. Please contact Julie McLain to let her know what you are bringing. Email address: kb8zxr@aol.com, phone-517-694-0812.
- Also at our December meeting we will be voting for new Board members for 2014. You can vote by email at cmarcvoting@gmail.com
- One vote per member. Email voting is allowed up to midnight the night before the December meeting.
- There is VE testing tomorrow at 11:00 in Mason at the Ingham County Sheriff's Office.

UNDER 22 REPORT:

Nothing to report.

50/50 DRAWING:

Michael/KD8VHT won \$17.50.

BREAK:

(Sec. Note: Thank you to all who helped with the goodies—your contributions are always GREATLY appreciated!)

MAIN PROGRAM AND/OR SPEAKER:

- Larry Camp/WB8R, the ARRL Great Lakes Division, Michigan Section Manager. Gave us an overview of the current condition of Amateur Radio in the year 2013 in his "State of the Hobby Address".
- Edward Huds/WA8QJE talked about PRB-1. Website is www.miarrlprb1.org

Motion to adjourn was made by John/KC8QZB, seconded by John/KD6KCX and approved.

With all business concluded the meeting was adjourned at 9:45 pm.

Respectfully submitted,
Jane Hosford/KC8FSK-Secretary

November 2013 Treasurer's Report	
Primary Share Acct. (Humphreys Fund)	\$1090.06
Business Checking	\$3214.70
Net Worth	\$4304.76
Youth Fund Balance* (as of 04/2013)	\$253.18
Building Fund (Club Station)	\$9.09
<i>separate from CMARC Funds</i>	
Submitted, <i>Jerry Waite/KD8GLN - CMARC Treasurer</i>	

ARPSC MEETING

There will be NO December meeting of the "Lansing Area/Ingham County Amateur Radio Public Service Corps". The next monthly meeting will be on Monday, January 20th at 7pm. This time we'll be meeting at Lansing Fire Station #8 on the corner of Marshall Street and Grand River Avenue in Lansing. As always, membership in the ARPSC is NOT required for attendance, so please feel free to join us at any session—and bring along a friend! For the dates and locations of future meetings please check out our website at www.lansingarpssc.com.

EMERGENCY RADIO AND EMERGENCY POWER RECYCLE AND REUSE

What do you do when the power unexpectedly turns off and you are in the dark, like a couple of weeks ago Sunday night? Well, if you have lots of money you would start your generator, or run off your battery bank. Or, maybe you don't have the time to get the generator out of the garage and then find a gas station. This article might give you an idea or two.

I have a Yaesu ftm-10sr 2meter /70 centimeter transceiver left over from my last motorcycle. This transceiver runs 10 watts on 2 meters and 7 watts on 70 centimeters. It also receives NOAA weather and AM and FM broadcast bands. It does quite a lot. I decided to install it next to my favorite recliner chair on a handy shelving unit. I then looked around the shack to see what else I could find. I had an old dual band j-pole, arrow antenna. 2meters / 70 centimeters. It is a good antenna and it's only \$39.00 if you buy a new one. I mounted the antenna about 18 feet up on the side of my small tower and ran the coax into the man cave next to my recliner. OK so now I have a radio, an external speaker and an antenna. How to power it? Another look around the shack, and I spot a couple of 12 volt agm (absorbed glass matt) gell cells batteries. These are pulls, which means that when they get old they are pulled out of service before they fail. That makes them very cheap or even free - depending on how good of a scrounger you are. Or you can find them for about \$14.00 at amazon.com. I like to use sealed-lead agm battery, which means no acid to spill or leak out.

There are two kinds:

- **GEL CELLS:** These are used in standby applications. You will find these in uninterruptible power supplies. With this type, you keep a constant charging voltage on the cell.
- **GELL CELLS:** Will give you about three to maybe five years of service and about 300 to maybe as much as 500 discharge and charge cycles. These are often used in emergency communication equipment and standby power systems.

Ok lets see, we now need a way to charge this battery. Ah yes, time to search the shack to see what I can find. I see an old harbor freight float charger, which is selling for \$9.99. If you have to buy a new one, see (dec) catalog. Let's look at what we would have to spend if we bought all new stuff!

1 AGM GELL CELL BATTERY	\$14.00
1 FLOAT CHARGER	\$ 9.00
1 ARROW ANTENNA	\$39.00 OR SIMILAR

	\$62.00

If you have a battery, good. If you have a charger, better. If you have a J-Pole or similar antenna, great.

Most of us have an old 2 meter mobile or handi talkie. And a lot of us have an old handi talkie that has a bad battery and the cost of the new battery is outrageous. Well, here you go - you now have everything you need to have your own emergency radio and emergency power.

Now I know a few hams are saying I can't talk to anyone with 5 or 10 watts. Williamston is in a small valley but I can still work all of the Lansing 2 meter repeaters and I can get into the Jackson repeater 10/ S-9 signal. More than enough to work all of the local repeaters. I decided to use a separate antenna so I could just turn on my emergency radio and start talking. No switching antennas. There you go!

LOOK AROUND. WHAT DO YOU HAVE?

REUSE THAT OLD GEAR!

Article submitted by: K8YHH CARL

NETS in the Greater Lansing Area

"The Breakfast Club Net" meets EVERY weekday morning from 7am to 1:30pm on the 145.39 repeater (PL 100 Hz), with Net Coordinator Don McLain/KB8RAD. This Net has been around now for over THREE AND A HALF YEARS (since September 24, 2009) and averages around 96+ check-ins per morning, but the NEW all-time record is 117 people in one morning's Net (and that's NOT counting rechecks)! So, if YOU are getting bored with just listening to Broadcast Radio during the morning commute, come and see what all the commotion's about—join Don and the rest of the gang every weekday morning on "The Breakfast Club Net"! They'll not only wake you up—they'll put a smile on your face, too! And thanks to Daniel Burk/NE8K, EchoLink is now available each morning via the *DODROPIN* Conference Server (ID# 355800), so it's never been easier to check in and join the fun! Whether you're somewhere throughout the United States (or world), or right here in the mid-Michigan area, you can now check in by repeater, your computer, your cellphone or other EchoLink device—at your convenience! So, stop by in the morning and say, "Hello!"...and while you're at it, why not join "The Breakfast Club Net" Facebook Group! We are already 244 members strong and we'd love to have YOU join us, too! www.facebook.com/groups/112208875498362

The **"Central Michigan Slow Scan TV Net"** meets every Sunday evening from 7:00- 8:30pm (Winter hours) 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. Also, you can click on www.ab8zl.com during the Net to see the photos being sent.

The **"Lansing Area/Ingham County Amateur Radio Public Service Corps Training Net"** meets on the first Monday night of each month at 7pm on the 145.39 repeater (PL 100 Hz). Volunteer Net Control Operators are needed each week, as well as someone to provide Training, so if you are an ARPSC member and wish to sign up, contact Net Coordinator Don McLain/KB8RAD at (517) 694-0812.

The **"Ladies Tea Time Net"** meets every Tuesday night 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's been around now 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 and say "Hello!"

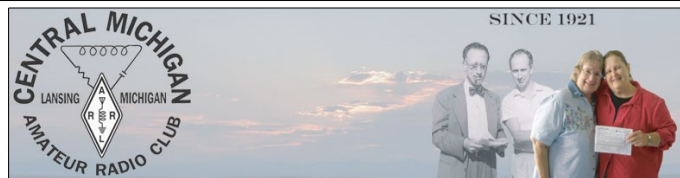
The **"Mid-Michigan Information Net"** meets every Wednesday night at 7pm on the 145.39 repeater (PL 100 Hz), with Net Coordinator Don McLain/KB8RAD. This Net has been around now since November 11, 2009 and is still growing!! Be sure to join Don for a time of FUN, FELLOWSHIP, and helpful INFORMATION!!

The **"Michigan Radio Amateur Youth Net" (MRAY)**, meets every Thursday night at 7pm on the 145.39 repeater (PL 100 Hz), with Net Coordinator Matt Miller/KD8OOS. In addition, EchoLink is available by searching for "KD8MJJ-R", "MRAY", or the *DODROPIN* Conference Server (ID# 355800). Although the Net specifically targets the Youth (who are the future of Ham Radio), ADULTS are welcome to check in, too! Also, Third-Party check-ins are encouraged to join the Net as a way of introducing young people to the Hobby. So, EVERYONE be sure to check into the MRAY Net and show your support for our Youth!

**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.**

The CMARC & LCDRA Board

The SCOPE is published by the CENTRAL MICHIGAN AMATEUR RADIO CLUB in association with the LANSING CIVIL DEFENSE REPEATER ASSOCIATION.



Our CMARC Officers

President:	Daniel Beuchert-WX8MOJ	Ph: (517) 604-1379
Vice President:	Donald McLain-KB8RAD	Ph: (517) 694-0812
Secretary:	Jane Hosford-KC8FSK	
Treasurer:	Jerry Waite-KD8GLN	Ph: (517) 882-5406
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Director:	Sharon Waite-KD8HHK	Ph: (517) 882-5406
Under 22:	Matt Miller-KD8OOS	
Cards/Flowers:	Jane Hosford-KC8FSK	Ph: (517) 648-8240
Photographer:		
Pub Contact:	Donald McLain-KB8RAD	Ph: (517) 694-0812
Building Coord.:	Dan Beuchert-WX8MOJ	Ph: (517) 604-1379
QSL/ Awards Mgr:	Don DeFeyer-KC8CY	
Scope Editors:	Dawn Beuchert-KD8MWA & Dan Beuchert-WX8MOJ	

****email address: cmarcscope@hotmail.com ****
Deadline for SCOPE: 20th. of month

**Meetings are held the second Friday of every month at:
Salvation Army-Capital Area, 701 W. Jolly Road, Lansing
at 7:30pm. Board Meeting begins at 7:00pm.
Club Calls: W8MAA & W8PLP**



Our LCDRA Officers

President:	John Imeson- N8JI	Ph: (517) 449-1517
Vice Pres:	Don Tillitson-WB8NUS	Ph: (517) 321-2004
Secretary:	Ron Harger- WD8BCS	wd8bcs@arri.net
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Tres./Mem. Ch:	Jeff Oberg-KB8SXX	Ph: (517) 712-1302
Repeater Trustee:	Dennis Boone-KB8ZQZ	email: drb@msu.edu

LCDRA Call: W8BCI

**Meetings: Quarterly on the third
Thursday of the month, beginning at
7:00pm. Meetings are held at
Fire Station #8, Marshall St, Lansing**

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
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Address	City	State
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ZIP	Phone	Lic. Class
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ARRL Member?	Birthday	Wedding Anniversary
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Year 1 st Licensed	Please supply email for SCOPE mailing
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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)
Associate Membership \$5 per calendar year.

Please make your checks payable to "CMARC" and mail to:
Jerry Waite KD8GLN
2816 Cabot Dr
Lansing MI 48911

Name	Callsign
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Address	City	State
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ZIP	Phone	Lic. Class
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ARRL Member?	Birthday	Wedding Anniversary
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Year 1 st Licensed	Please supply email for SCOPE mailing
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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

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

Central Michigan Amateur Radio Club



THE SCOPE



Lansing Civil Defense Repeater Association

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