



# THE SCOPE



Lansing Civil Defense Repeater Association

centralmiarc.com

Serving Our Community Since 1921

lcdra.net

## Christmas Party/Annual Elections

It's hard to believe yet another year has passed already! Our CMARC Christmas Party and Potluck is this Friday, December 9<sup>th</sup>! While there is a guaranteed time for good food and conversation with friends, don't forget it's also time to hold our annual election. Be sure to bring all the family and your favorite dish to pass for this fun evening. See you there!

November's presentation was by Daniel Burk (NE8K) on Echolink. He provided lots of information on what Echolink is and how to set yourself up with a PowerPoint full of pictures and detailed instructions. If you missed out, please check this link for all the details: [NE8K's Echolink PowerPoint](#)\*\* Thank you Daniel for sharing your knowledge of Echolink with the club!

For October's presentation, Bob Berger (K8RDN) spoke about the National Traffic System and how to pass traffic. If you'd like to learn more about handling traffic, please feel free to check in on the next ARPSC Net on December 12<sup>th</sup> at 7 p.m. or come join us at our next Lansing Area/Ingham County ARPSC meeting on December 19<sup>th</sup> at the Mason EOC. You can visit the ARPSC [website](#) to print off a [radiogram](#)\*\* or browse through helpful information on traffic handling. Thanks Bob for your information on traffic handling!

(\*\*Not on a computer right now? Check out page 8 for the full web addresses!)

### Did You Know?

**The "Central Michigan Slow Scan TV Net" now meets at its NEW TIME (per Winter hours) every Sunday evening at 7:00pm!!**

**The "Michigan Radio Amateur Youth Net" (or MRAY), now meets at its NEW TIME every Thursday evening at 7:00pm!!**

**Both Nets take place on the 145.39 repeater and their Net Controls would really appreciate your support!!**

### Scoping out the SCOPE

Can you guess who?  
Page 2

Calling all Ladies!  
Page 4

Catch up on what's been  
happening.  
Page 5

HAMFESTS!  
Page 8

# What's My Sign?

By: Julie McLain KB8ZXR

I was born on August 14, 2000 in Lansing, Michigan into a loving family. I go to Herbison Woods Elementary in Dewitt and am currently in the 6<sup>th</sup> grade. I like Math, Science, and also Band, where I play the trumpet. In addition, I play 12U Youth Baseball, love to swim and I really enjoy building things with my Legos. I have a lot of fun going to the Lugnuts baseball games and was lucky enough to be able to throw out the "First Pitch" at two of them. The first time was through my Dad's work and the second time was for selling the most pizza kits for the Dewitt Youth Baseball/Softball Association

I have grown up around Ham Radio all my life, because my Dad is a Ham and so was my Grandfather. By the summer of 2010, I was so interested in getting my license that instead of just messing around like a lot of other kids, on my summer off from school I began studying the Technician Manual every day for a half hour. By September I was ready to test, so my parents took me to an Ingham County VE Exam session held at the Ingham County Sheriff's Office in Mason. I passed the Technician exam on my first try—and I was only 9 years old at the time!! By the way, I was even younger than my Dad when he got his first license in December of 1977...he was 15! I was so excited when the VE's told me I had passed, I couldn't stop smiling. They, along with everyone else there that day, congratulated me and told me how happy they were for me. Even my Mom was all smiles! I'm now planning on getting my General Class upgrade at the upcoming 2012 Dayton Hamvention on May 18th – 20th.

I don't have much Ham equipment yet, but I do have a Yaesu FT-170 HT. My favorite band is 2 meters. You can usually find me out on the 145.39 repeater and if you ever hear me throw out my Call, please come back, because I love talking! I enjoy checking into the local Nets and try to participate in as many as possible. Someday, I would even like to run my own Net. I really like SKYWARN and have a lot of fun during Field Day weekend. In the future, I look forward to learning CW, even though the FCC no longer requires it. I belong to the Central Michigan Amateur Radio Club, the Lansing Civil Defense Repeater Association, the American Radio Relay League and the Dayton Amateur Radio Association.

When asked if I had any comments that I would like to share with the Club regarding this great Hobby, I replied, "I think young people should get their licenses. It's not that hard to do. Just do a little studying each day and before you know it, you'll pass. Remember, I was only 9 years old when I did it!"

There, now that we have become a little better acquainted, "What's My Sign?" My Callsign is N8FPR and my name is Sam Fitzgerald. When I first got my license I was KD8OQT, but through the Vanity Callsign program my Dad helped me pick up my Grandfather's old Callsign to honor him. By the way, my Dad is Russ/N8FZ.

**If you know of someone who would make a good What's My Sign Candidate, contact Julie McLain (KB8ZXR) at 517-694-0812 or email [kb8zxr@aol.com](mailto:kb8zxr@aol.com)**

# November

## Birthdays

11/01 Dan Beuchert WX8MOJ  
 11/08 Bill Mathews KB8TTS  
 11/10 Deborah Frank KC8YQH  
 11/10 Ron Meddaugh KB8MUN  
 11/12 Joe Keresztes N8YCM  
 11/15 Randall Stortz K8VY  
 11/15 William Wing W2PMH  
 11/18 Roger Barnhill AB8RX  
 11/18 Marv Sommer WB8OIP  
 11/20 Arnold McCardell WA8CW  
 11/24 Bernard Gaffney W8BFG  
 11/25 Vera Gould  
 11/28 Christina Shasteen

## Anniversaries

11/01 Douglas Goodrich N8ECL  
 11/23 Gregg Mulder WB8LZG

# December

## Birthdays

12/02 Duane Cross K8ATU  
 12/06 David Ouellette WB8MWG  
 12/08 Luke Sandel N8CLS  
 12/08 William Smith KD8INX  
 12/12 Michael Manning N8EUQ  
 12/16 Charles Shawnee, Jr N8CYY  
 12/17 Jack Wiswasser WA8IAL  
 12/20 Mark Parks KA8ONW  
 12/23 Allen Burk KD8CBP  
 12/28 Jamie Kahler KD8IAP

## Anniversaries

12/18 Ralph Chapman WA8NHD  
 12/19 George KC8DVV & Jane KC8HJQ Newton  
 12/21 Bill WD8NYW & Donna Cote  
 12/27 Charles N8DWI & Nancy Stahl  
 12/28 Arnold McCardell WA8CW  
 12/31 Dan WX8MOJ & Dawn KD8MWA Beuchert

## MEETING SCHEDULE

GROUP	DATE	TIME	LOCATION
CMARC	12/09/11	7:30 P.M.	SALVATION ARMY
ARPSC	12/19/11	7:00 P.M.	MASON EOC
LCDRA	01/19/12	7:00 P.M.	FIRE STATION # 8

## Ham Gear For Sale!

Heath SWR Meter AM-2 - \$5  
 Autek Research QF-1A/CW/AM Filter - \$20  
 Vectronics Antenna Tuner Model VC300DLP, W/manual - \$90  
 Heath Kit Electronic Keyer Model HD-1410 W/manual - \$30  
 Kenwood DG-5 Digital Readout/ counter for TS-520S - \$45  
 Digital 24hr clock - \$5  
 ICOM HT Model IC-2A , 2 extra batts and charger, no tone - \$25  
 Final Amplifier Tubes 100TH - \$80 each

Contact: Dave Held N8CFM 881-8140 or email [heldd@sbcglobal.net](mailto:heldd@sbcglobal.net)



### NOVEMBER TEA TIME LADIES' DAYS



November 9th – Ginny/KD8HPG and Jim/KC8QWH Hannahs' 43<sup>rd</sup> Anniversary!!

### DECEMBER TEA TIME LADIES' DAYS

December 19<sup>th</sup> – Jane/KC8HJQ and George/KC8DVV Newton's 31<sup>st</sup> Anniversary!!

December 31<sup>st</sup> – Dawn/KD8MWA and Dan/WX8MOJ Beuchert's 4<sup>th</sup> Anniversary!!

### JANUARY TEA TIME LADIES' DAYS

January 2<sup>nd</sup> – Tammy Burk's Birthday!!

January 17<sup>th</sup> – Leota Strobel's Birthday!!

January 23<sup>rd</sup> – Mary Lou Tillitson's Birthday!!

January 23<sup>rd</sup> – Betty Hunsaker's Birthday!!



### JANUARY LADIES TEA TIME LUNCHEON!!

Please be sure to join us on Saturday, January 21st at 12:30pm for our first Ladies Tea Time Luncheon of the New Year! This time, we'll be meeting at the Bob Evans Restaurant located at 900 American Road in south Lansing. Remember, this invitation is for ALL Ladies, whether you have a Ham license or not, because it's just a time for us to get together and visit. If you've never attended, please make plans to join us for a time of food, fellowship and fun! Just RSVP by Friday, January 20th – KB8ZXR@aol.com or 517.694.0812 – so I can make arrangements for us all to sit together. 73!

~ Julie McLain/KB8ZXR, Ladies Tea Time Luncheon Coordinator ~

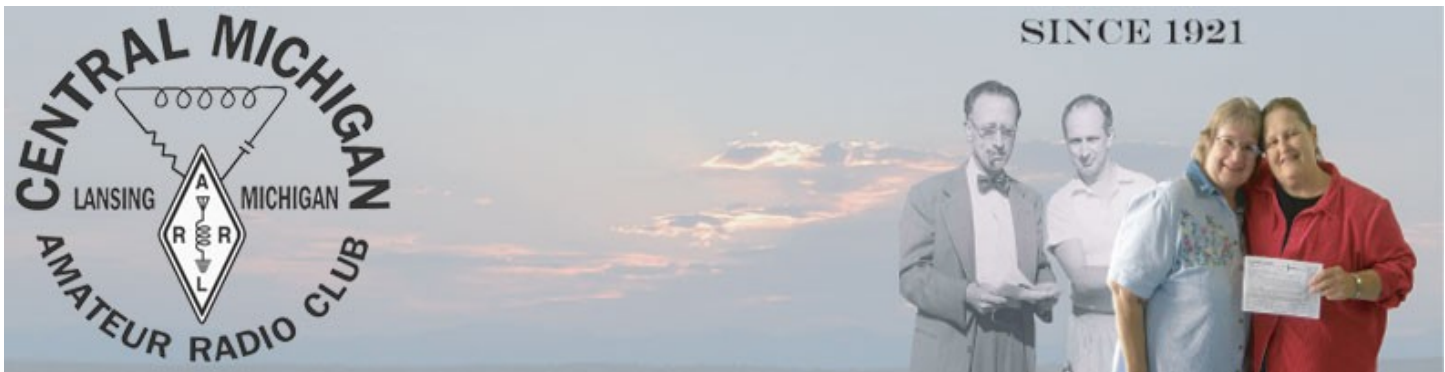


### THE LADIES TEA TIME NET!



Please join us every Tuesday evening at 7pm on the 145.39 repeater (100 Hz PL) for the "Ladies Tea Time Net". All Ladies are welcome...and so are our Gentlemen!! Remember, Ladies, even if you're not licensed you can still check in! That's right, as long as you have a Ham husband or friend who is willing to act as Control Operator, you can talk "Third-party" on THEIR Callsign! So, just pour yourself a cup of tea, grab the mic and join us. I'll be listening for you!!

~ Julie McLain/KB8ZXR, Ladies Tea Time Net Coordinator ~



## **CMARC BOARD MEETING October 14, 2011**

President Sharon/KD8HHK brought the meeting to order at 7:05 pm. with the following Board members in attendance: Treasurer Jerry/KD8GLN , Vice President Dan/WX8MOJ, Director Carl/K8YHH, Director Don/KB8RAD, Under 22 Director Corey/KD8BOQ.  
Excused were: Secretary John /KC8QZB.

- Carl/K8YHH reported that at 9:00 AM tomorrow (10/15/2011) there will be an effort to put up the final sections of the tower.
- There was discussion about making a donation to the Salvation Army for the holidays. Dan/WX8MOJ made a motion that the club make a \$100.00 donation to the Salvation Army for the holidays, seconded by Don/KB8RAD and approved.
- Don/KB8RAD reported that there will be a presentation on echo link at next months meeting.

With all business concluded, Jerry/KD8GLN made a motion to adjourn, seconded by Dan/KD8MOJ and approved. The Board meeting closed at 7:27 pm.

## **CMARC MEETING MINUTES October 14, 2011**

President Sharon/KD8HHK called the meeting to order at 7:33 p.m. and welcomed both our members and those visiting with us tonight.  
We had a moment of silence in memory of our "Silent Keys".

### **ATTENDANCE:**

There were 29 people in attendance (27 members and 2 visitors). Our guests were: Paul/K8CRD, and our speaker for the evening was Bob/K8RDN.

### **NEW LICENSES, UPGRADES and VANITY CALLS:**

KD8RAS just past his Technician

### **ANNOUNCEMENTS:**

The next CMARC meeting will be on Friday, November 11th at 7:30 pm.

### **OLD BUSINESS:**

- A motion to accept the September Secretary's Report as printed in the October SCOPE was made by Jim/KC8QWH, seconded by Ed/KD8MMP and approved.
- A motion to accept the September Treasurer's report as printed in the October SCOPE

was made by Don/KB8RAD, seconded by Cheryl/KD8QFE and approved.

**NEW BUSINESS:**

- Sharon/KD8HHK reported that the board has voted to donate \$100.00 to the Salvation army.
- Cory/KD8BOQ reported that he got an email from Chad/N8JFY asking for help with the Jamboree on the air tomorrow from 9 am to 4 pm.
- Sharon/KD8HHK reported that a lot of people have been working very hard on items for the craft sale and some items are for sale here tonight in case someone can't make it to one of the craft sales.
- Julie/KB8ZXR reported the first craft sale will be on Saturday November 5th at the United Methodist Church at the corner of Aurelius and Cedar Street in Holt. The second craft sale is at the Grovenburg United Methodist Church on Grovenburg Road on Friday November 18 from 9 to 7 and Saturday 19 from 9 to 4.
- Carl/K8YHH reported that a tower climber will be coming out tomorrow to put up the last section of tower and mast pipe then we will put the tribander together which Bob/K8rdn has worked diligently and very hard to clean up and seal and is shiny and looks better than new.
- Carl/K8YHH also reported that he was on a color tour up by Muskegon and realized that if he listened to the streaming audio of the 145.390 repeater he could listen to the slow scan tv net and then copy the pictures on the net.

**50/50 DRAWING:**

Cheryl/KD8QFE won \$9.00 in tonight's drawing and donated the winnings to the club.

**BREAK:** [Sec. Note: Thank you to all who helped with the goodies—your contributions are always GREATLY appreciated!]

**MAIN PROGRAM AND/OR SPEAKER:**

Bob/K8RDN was our speaker for the evening. He put on an interesting program on message handling on the national traffic system.

With all business being concluded, Jim/KC8QWH made a motion to adjourn seconded by Don/KB8RAD and approved we adjourned at 9:31 pm.

John/KC8QZB – Secretary

**CMARC BOARD MEETING  
November 11, 2011**

President Sharon/KD8HHK brought the meeting to order at 7:09 pm. with the following Board members in attendance: Treasurer Jerry/KD8GLN, Vice President Dan/WX8MOJ , Director Don/KB8RAD, Under 22 Director Corey/KD8BOQ,  
Excused were: Director Carl/K8YHH, Secretary John /KC8QZB.

- Dan/WX8MOJ reported that there is only one wireless adapter for the two computers.
- Dan/WX8MOJ made a motion to authorize \$30.00 for a wireless adapter seconded by Don/KB8RAD and approved.

With all business concluded, Dan/WX8MOJ made a motion to adjourn, seconded by Don/KB8RAD and approved. The Board meeting closed at 7:25 pm.

**CMARC MEETING MINUTES**  
**November 11, 2011**

President Sharon/KD8HHK called the meeting to order at 7:30 pm. and welcomed both our members and those visiting with us tonight. We had a moment of silence in memory of our "Silent Keys".

**ATTENDANCE:**

There were 51 people in attendance (39 members and 12 visitors). Our speaker for the evening; Dan/NE8K

**ANNOUNCEMENTS:**

- The next CMARC meeting will be on Friday, December 9<sup>th</sup> at 7:30 pm.
- Don/KB8RAD reported that the Fort Wayne Hamfest is this weekend. He also reported the the 2nd craft sale is next weekend, proceeds go to help the general fund of LCDRA. John/N8JI is going down to the FT. Wayne Hamfest and will have a table at the swap. If anyone has any equipment they would like to donate please talk to John/N8JI, all proceeds go to help the general fund of LCDRA.

**OLD BUSINESS:**

- Greg/WB8LZG reported on the CW sweepstakes operation at the club station and encouraged others to operate the phone sweepstakes.
- Bob/K8RDN reported that the rotor was tested before it was put on the tower, and after it was put on the tower it would not work. Also, the 10 meter portion of the tribander works fine but the SWR on 15 and 20 is too high and the antenna needs to be taken down again.

**NEW BUSINESS:**

- Sharon/KD8HHK wished everyone happy Veterans Day.
- Jim/LC8QWH made a motion to open election nominations 2nded by Bernie/W8BFG and approved.
- Sharon/KD8HHK reported that the following board members positions are up for reelection, Don/KB8RAD, Carl/K8YHH, Jerry/KD8GLN and Cory/KD8BOQ.
- Jim/KC8QWH nominated Matt/KD8OOS 2nded by Cory/KD8BOQ and he accepted. Jim/KC8QWH nominated Don/KB8RAD and Jerry/KD8GLN 2nded by Bob/K8RDN and they accepted.
- Bill/WD8NYW made a motion to table the election nominations until next month, 2nded by Bernie/W8BFG and approved.
- Sharon/KD8HHK asked for volunteers for the election committee. Bob/K8RDN volunteered. Dick/KI8C and Bernie/W8BFG also volunteered.
- Dan/WX8MOJ reported that when he put the computers "back together" he found that there was no antivirus or antispyware. He has put antivirus and antispyware on the computers. He found one wireless usb adapter and installed drivers on the computers for the wireless adapter. He is going to check on a second wireless adapter.

**50/50 DRAWING:**


Bill/KD8HHN won \$14.00 in tonight's drawing.

**BREAK:** [Sec. Note: Thank you to all who helped with the goodies—your contributions are always GREATLY appreciated!]

**MAIN PROGRAM AND/OR SPEAKER:**

**Dan/NE8K was our speaker for the evening. He put on an interesting program on echolink. With all business being concluded, we adjourned at 9:38pm.**

**John/KC8QZB – Secretary**

<b>October 2011 Treasurer's Report</b>	
Primary Share Acct. (Humphries Fund)	\$1086.75
Business Checking	\$1739.95
Net Worth	\$2826.70
Youth Fund Balance* (as of 02/28/10)	\$189.57
Building Fund (Club Station)	\$9.09
<i>*separate from CMARC Funds</i>	
<b>November 2011 Treasurer's Report</b>	
Primary Share Acct. (Humphries Fund)	\$1086.03
Business Checking	\$1871.15
Net Worth	\$2957.15
Youth Fund Balance* (as of 02/28/10)	\$189.48
Building Fund (Club Station)	\$9.09
<i>*separate from CMARC Funds</i>	
<b>Submitted,</b> <b>Jerry Waite/KD8GLN - CMARC Treasurer</b>	
	

<b>HAMFESTS</b>
Sunday, January 15: 46th Annual Hazel Park Swap (Hazel Park) - <a href="http://hparc.org/">http://hparc.org/</a>
Saturday, February 11: 2012 Cherryland Swap (Traverse City) - <a href="http://cherrylandarc.com/">http://cherrylandarc.com/</a>
Sunday, February 19: 41st Annual Livonia Swap (Livonia) - <a href="http://livoniaarc.com/Swap.htm">http://livoniaarc.com/Swap.htm</a>
Saturday, March 17: 2012 Crossroads Swap (Marshall) - <a href="http://w8df.com/">http://w8df.com/</a>

**Web addresses from Cover Page:**

Daniel (NE8K's) Echolink PowerPoint: [http://www.ws6transam.org/Echolink\\_NE8K.pdf](http://www.ws6transam.org/Echolink_NE8K.pdf)

Radiogram: <http://lansingarpsc.com/radiogram2.pdf>

Lansing Area/Ingham County ARPSC website: <http://lansingarpsc.com/>

A special thank you goes out to all of those who have presented to the Club through the years. If you are interested in sharing something with the group at a presentation, please see Don McLain (KB8RAD), Corey Bullock (KD8BOQ), or Daniel Beuchert (WX8MOJ)



## NETS in the Greater Lansing Area

**"The Breakfast Club Net"** meets EVERY morning (Monday through Friday), from 7 to 11am on the 145.39 repeater, with Net Control Don McLain/KB8RAD.

The **"Central Michigan Slow Scan TV Net"** meets every Sunday evening starting at 7:00 p.m. on the 145.39 repeater with Net Control Carl Canfield/K8YHH. EVERYONE interested is welcome to join 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](http://www.ab8zl.com) to see the photos sent during Net.

The **"Lansing Area/Ingham County Amateur Radio Public Service Corps Training Net"** meets every Monday night at 7pm on the 145.39 repeater (except for on the 3rd Monday, which is meeting night). Volunteer Net Control Operators are needed each week, as well as someone to provide the Training, so if you are an ARPSC member and wish to sign up, you can 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, with Net Coordinator Julie McLain/KB8ZXR. Everyone is welcome to check in—even all you guys out there!!

The **"Quarter Century Wireless Association Net"** also meets every Tuesday night but at 8pm and on the 146.70 repeater, with Net Control Don Tillitson/WB8NUS, so drop by after Julie's Net and say, "Hello!"

The **"Mid-Michigan Information Net"** meets every Wednesday night at 8:00pm, with Net Control Don McLain/KB8RAD. Be sure to join Don for a time of FUN, FELLOWSHIP, and helpful INFORMATION!!

The **"Michigan Radio Amateur Youth Net"** or **MRAY**, meets every Thursday night at 7 pm on the 145.39 repeater with Net Coordinator Matt Miller/KD8OOS. Although the Net specifically targets the Youth, who are the future of Ham Radio (whether they are licensed or non-Hams by way of Third-Party Participation), ADULTS are welcome to check in, as well!! ECHOLINK will be turned on just for the Net each week, and there is also a [LIVE Webcam to enjoy during the Net](#), along with a chat room on the MRAY website, at: [www.mraynetwork.com](http://www.mraynetwork.com).

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

## VE TESTING SESSIONS

### Ingham County VE Group

**Location:** Ingham County Sheriff's Dept. Mason

**Contact Person:**

Don McLain/KB8RAD (517) 694-0812 KB8RAD@arrl.net

Thursday at 7:00 p.m. TBA

Saturday at 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. December 10<sup>th</sup>

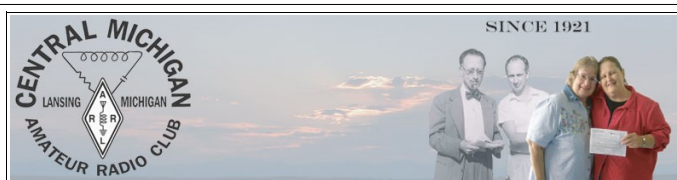
### Shiawassee ARC

**Location:** American Red Cross,  
702 Corunna Avenue, Corunna, MI 48817  
**Contact:** Thomas Carpenter (K18AS) (517) 579-0599

Thursday at 7:00 p.m. December 22<sup>nd</sup>

## The CMARC & LCDRA Boards '11

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



## Our CMARC Officers

President:	Sharon Waite-KD8HHK	Ph: (517) 882-5406
Vice President:	Dan Beuchert-WX8MOJ	Ph: (517) 604-1379
Secretary:	John Hosford-KC8QZB	Ph: (517) 712-8381
Treasurer:	Jerry Waite-KD8GLN	Ph: (517) 882-5406
Director:	Donald McLain-KB8RAD	Ph: (517) 694-0812
Director:	Carl Canfield-K8YHH	Ph: (517) 755-6627
Under 22:	Corey Bulock-KD8BOQ	Ph: (517) 930-2372
Cards/Flowers:	Jane Hosford-KC8FSK	Ph: (517) 648-8240
Mem. Chmn.:	John Ingraham-NG8L	Ph: (517) 230-9445
Photographer:	J. Ervin Bates-W8ERV	Ph: (517) 908-6739
Club Contact:	Donald McLain-KB8RAD	Ph: (517) 694-0812
Building Coord.:	Dan Beuchert-WX8MOJ	Ph: (517) 604-1379
QSL/ Awards Mgr.:	Don DeFeyer-KC8CY	Ph: (517) 641-4533
Scope Editors:	Dawn Beuchert-KD8MWA Dan Beuchert-WX8MOJ	Ph: (517) 525-1348 Ph: (517) 604-1379

\*\*email address: [cmarcscope@hotmail.com](mailto: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:	J. Ervin Bates-W8ERV	Ph: (517) 908-6739
Director:	Jan Bradfield- KC8BFFK	Ph: (517) 202-1779
Director:	Donald McLain-KB8RAD	Ph: (517) 694-0812
Director:	Jim Harvey-KA8DDQ	Ph: (517) 882-5796
Treas./Mem. Chair:	Jeff Oberg-KB8SXX	Ph: (517) 712-1302
Repeater Trustee:	Dennis Boone-KB8ZQZ	email: <a href="mailto:drb@msu.edu">drb@msu.edu</a>

LCDRA Call: WB8CQM

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

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



**November/December 2011**

Name			Call Sign		
Street Address			State		
ZIP		Phone		LIC CLASS	
ARRL Member?		Birthday		Wedding Anniversary	
1 <sup>st</sup> Year Licensed			Email Address		

**JOINING:   \_\_ CMARC   \_\_ LCDRA**

CMARC 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 Ingraham-NG8L**  
**CMARC Membership Chairman**  
**2807 Greenbriar Ave., Lansing, MI 48912**  
(Checks made payable to CMARC, please.)

LCDRA membership is \$15 per calendar year  
(add a family member for \$7.50 per person, per year.)

**Mail your check or money order to:**  
**Lansing Civil Defense Repeater Association**  
**P.O. Box 4**  
**Eagle, MI 48822-004**