

## **LADIES NIGHT/ZIEGENBEIN AWARD BANQUET**



There were 50 in attendance at the Ladies Night/Ziegenbein Award Banquet on Friday, May 9th at the Delhi Café in Holt. And if you count the members of those who came to perform and their keyboardist and musical director, the room was FULL of 72 people!

We all had a truly wonderful evening: the food was fantastic, the restaurant staff was gracious, and our entertainment, the “Men of Orpheus”, were superb! The gifts that the Ladies took home were beautifully created by members of the Ladies Night Banquet Committee and the decorated sheet cake the Club ordered for the event was a fitting end to an extraordinary night.

The highlight of the evening, however, was the presentation of the Ziegenbein Award. Eyes roamed around the room as Ziegenbein Award Committee member and CMARC Vice President Don McLain/KB8RAD described the person who had been chosen to receive the Award for the past calendar year. As he continued his speech, it became increasingly apparent to the room full of waiting listeners who the winner of CMARC’s highest and most prestigious honor would be. The room then erupted in thunderous applause as Don finished with the words, “Introducing the winner of the Ziegenbein Award for the year 2013.... Mrs. Jane Hosford, KC8FSK!”

CONGRATULATIONS, Jane! You have worked long and hard and are truly deserving of all of our appreciation for your dedication to our Club and Hobby!

Respectfully submitted, Don McLain/KB8RAD, Ziegenbein Award Committee



## Scoping out **THE SCOPE**

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### MEETING SCHEDULE

GROUP	CMARC 	ARPSC 	LCDRA 
DATE	06/13/14	05/19/14	07/17/14
TIME	7:00 P.M.	7:00 P.M.	7:00 P.M.
LOCATION	SALVATION ARMY	FIRE STATION # 8	FIRE STATION # 8
WEBSITE	<a href="http://WWW.CENTRALMIARC.COM/">WWW.CENTRALMIARC.COM/</a>	<a href="http://WWW.LANSINGARPSC.COM/">WWW.LANSINGARPSC.COM/</a>	<a href="http://WWW.LCDRA.NET/">WWW.LCDRA.NET/</a>

### May

#### Birthdays

5/02 PAUL KEEFER/KB8YQZ  
5/07 GARY GRABENSTEIN/K8CKW  
5/11 EUGENE BROWN/KK4DIY  
5/19 THOMAS DAVAGE/KB8J  
5/19 JOHN DOORHAAG/KD8NNQ  
5/27 GARRY WATSON/KC8MAD  
5/31 WILLIAM WING/W2PMH

#### Anniversaries

5/06 ROGER/AB8RX AND DeANNA BARNHILL/KD8BDI  
5/15 KIM/WA8KIM AND BARBARA SHERMAN  
5/13 JAN/KC8BFK AND JUDY BRADFIELD  
5/21 JOHN INGRAHAM/NG8L  
5/26 JIM HARVEY/KA8DDQ  
5/31 JOHN/AC8ML AND SHIRLEY STRONG

### June

#### Birthdays

6/07 MARIE WATSON/KC8NOI  
6/14 DAWN BEUCHERT/KD8MWA  
06/17 JERRY WAITE/KD8GLN  
6/17 JOLYON VINCENT/KD8HZY  
6/24 GINNY HANNAHS/KD8HPG

#### Anniversaries

6/12 ROGER GOODMAN/KB8YQX  
6/22 TED SADILEK/WA8MFQ  
6/24 GARRY/KC8MAD AND MARIE/KC8NOI WATSON

***Please keep in your thoughts and prayers the family of former CMARC member, Leighton Alan Tiedeman "Lee" /W8FEV whom passed away on May 1<sup>st</sup>.***

### 10 meter Net

Thursday nights at 9:00 pm, our very own Ken Kruger/W8AAX hosts a net and even Techs interested in HF can join in! The frequency is: 28.495 MHz USB. It is a good opportunity to get some time out on HF and make sure that your 10 meter gear is working – we hope to hear you out there soon!



## **HAMFESTS**

05/16-18/14 - Dayton Hamvention  
([REGIONAL ARRL CENTENNIAL EVENT](#))  
Location: Trotwood, OH  
Sponsor: Dayton Amateur Radio Association  
Website: <http://hamvention.org>

06/01/2014 - [Chelsea Radio Swap 'n Shop](#)  
Location: Chelsea, MI  
Sponsor: Chelsea Amateur Radio Club  
Website: [www.wd8iel.com](http://www.wd8iel.com)

06/07/2014 - [IRA Hamfest](#)  
Location: Hudsonville, MI  
Sponsor: Independent Repeater Association  
Website: [www.w8ira.org](http://www.w8ira.org)

06/14/2014 - [Midland Hamfest](#)  
Location: Midland, MI  
Sponsor: Midland Amateur Radio Club  
Website: <http://w8kea.org>

06/15/2014 - [Monroe Hamfest](#)  
Location: Monroe, MI  
Sponsor: Monroe County Radio Communications Association  
Website: [www.mcrca.org](http://www.mcrca.org)

06/21/2014 - [West Michigan Youth Club Hamfest](#)  
Location: Lowell, MI  
Sponsor: West Michigan Youth Club  
Website: [www.westmichiganyouthclub.org](http://www.westmichiganyouthclub.org)

07/26/2014 - [2014 CMARC OUTDOOR HAMFEST](#)  
Location: Lansing, MI  
Sponsor: Central Michigan Amateur Radio Club  
Website: [www.centralmiarc.com](http://www.centralmiarc.com)

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## **VE TESTING SESSIONS**

### **Ingham County VE Group**

**Location:** Ingham County Sheriff's Department, Mason  
**Contact:** Don McLain/KB8RAD (517) 694-0812 [KB8RAD@ARRL.NET](mailto:KB8RAD@ARRL.NET)  
**Thursday @ 7:00 p.m.** June 5, August 7, October 2, December 4  
**Saturday @ 11:00 a.m.** July 12, July 26 (@CMARC Outdoor Hamfest,) September 13, November 8th

### **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](mailto:wb8tgy@yahoo.com)  
**Saturday at 12:00 p.m.** June 14, October 11, December 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](mailto:KI8AS@CHARTER.NET)  
**Thursday @ 7:00 p.m.** June 26, August 28, October 23, December 18



# ARRL VEC

## **“ARRL PRACTICE AMATEUR RADIO EXAMS”**

Sponsored by the “Ingham County VE Group”  
VE Julie McLain KB8ZXR

- **Technician Class**

1.) Question T9A10 - In which direction is the radiation strongest from a half-wave dipole antenna in free space?

- A. In the direction of the feedline
- B. Off the ends of the antenna
- C. Broadside to the antenna
- D. Equally in all directions

2.) Question T4B04 - What is a way to enable quick access to a favorite frequency on your transceiver?

- A. Store the frequency in a memory channel
- B. Use the scan mode to select the desired frequency
- C. Disable the CTCSS tones
- D. Enable the CTCSS tones

3.) Question T2C06 - Which of the following is common practice during net operations to get the immediate attention of the net control station when reporting an emergency?

- A. Begin your transmission with 'Priority' or 'Emergency' followed by your call sign.
- B. Play a pre-recorded emergency alert tone followed by your call sign.
- C. Press the push-to-talk button three times.
- D. Repeat the words SOS three times followed by the call sign of the reporting station.

- **General Class**

1.) Question G7C11 - What is meant by the term 'software defined radio' (SDR)?

- A. A computer model which can simulate performance of a radio to aid in the design process.
- B. A radio in which most major signal processing functions are performed by software.
- C. A radio which provides computer interface for automatic logging of band and frequency.
- D. A radio which uses crystal filters designed using software.

2.) Question G5A01 - What is impedance?

- A. The opposition to the flow of current in an AC circuit.
- B. The force of repulsion between two similar electric fields.
- C. The inverse of resistance.
- D. The electric charge stored by a capacitor.

3.) Question G7A01 - What safety feature does a power-supply bleeder resistor provide?

- A. It acts as a fuse for excess voltage.
- B. It eliminates ground-loop current.

- C. It discharges the filter capacitors.
- D. It removes shock hazards from the induction coils.

- **Extra Class**

1.) Question E2B11 - What is the function of the Vertical Interval Signaling (VIS) code transmitted as part of an SSTV transmission?

- A. To identify the SSTV mode being used.
- B. To lock the color burst oscillator in color SSTV images.
- C. To provide vertical synchronization.
- D. To identify the call sign of the station transmitting.

2.) Question E7C13 - What is one advantage of a Pi matching network over an L matching network consisting of a single inductor and a single capacitor?

- A. Pi networks are designed for balanced input and output.
- B. The Q of Pi networks can be varied depending on the component values chosen.
- C. Pi networks have fewer components.
- D. L networks cannot perform impedance transformation.

3.) Question E7A06 - What is a characteristic of a monostable multivibrator?

- A. It stores one bit of data in either a 0 or 1 state.
- B. It maintains a constant output voltage, regardless of variations in the input voltage.
- C. It switches momentarily to the opposite binary state and then returns, after a set time, to its original state.
- D. It is a clock that produces a continuous square wave oscillating between 1 and 0.

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

<b>**ANSWERS**</b> Technician: 1-C; 2-A; 3-A    General: 1-B; 2-A; 3-C    Extra: 1- A; 2-B; 3-C
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**May Tea Time Ladies' Days**  
May 19th – Shannon Ranes WA2NVK  
May 27th – Marie Watson KC8NOI



### **LADIES TEA TIME LUNCHEON**



It was decided at our April Luncheon, that because of all the extra Ham-related events coming up, we will **NOT** be having a monthly "Ladies Tea Time Luncheon" in the months of May, June and July. (May 9<sup>th</sup> is the Ladies Night/Ziegenbein Award Banquet; June 28<sup>th</sup> and 29<sup>th</sup> is Field Day Weekend; and July 26<sup>th</sup> is our Outdoor Hamfest!!) We will resume our monthly Ladies Tea Time Luncheons some time during the month of August! Stay tuned for the date and location the closer we get to August.

Please remember, you can always know what's going on with the Ladies Tea Time group by looking at the monthly Club newsletter, the "SCOPE", or by checking out the "Ladies Page" on the Club website,

<http://www.centralmiarc.com>

### **LADIES TEA TIME NET!**

Please join me every Tuesday evening at 7pm on the 145.39 (100 Hz PL) Lansing-area repeater for the "Ladies Tea Time Net". The Net can also be accessed via the EchoLink \*DODROPIN\* Conference Server (Node ID# 355800). The main purpose of this Net is to get our Lady Hams out on the air each week, having fun as they visit together. And for those Ladies without a Ham license...you can still check in "Third Party", as long as your licensed husband or friend checks in first. Remember, we always look forward to having our Gentlemen join us for a fun time, too... **AFTER** the "Ladies Only" portion of the Net!! So, 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!!

~Julie McLain, KB8ZXR~  
Ladies Tea Time Net & Luncheon Coordinator  
(517) 694-0812 or KB8ZXR@aol.com  
[www.centralmiarc.com](http://www.centralmiarc.com)



## **CMARC BOARD MEETING**

### **April 11, 2014**

President Dan Beuchert/WX8MOJ called the meeting to order at 6:34 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, Under 22 Director Matt Miller/KD8OOS.

Silent Keys: None.

Non-profit/Insurance/by-laws: President Dan/WX8MOJ got together with the attorney who was looking over our by-laws. Some suggestions were made by the attorney: We could specifically add idemnification clause. Have scheduled CMARC meetings published. Have officer's job duties spelled out. Have written instructions for voting out a current Board member.

Cost is between \$300.00-\$400.00 to have attorney rewrite our by-laws.

Dan/WC8MOJ made a motion to have attorney rewrite by-laws, if get member approval to do so, seconded by John/KD8NNQ and approved.

W8MAA Trustee Transition: Roger Barnhill/AB8RX is moving to Florida so a new trustee is needed. Dan/WX8MOJ made a motion to have Bob Berger/K8RDN as trustee for W8MAA, seconded by John/KD8NNQ and approved.

Motion to adjourn made by Sharon/KD8HHK, seconded by Dan/WX8MOJ and approved. Meeting adjourned at 7:00pm.

Respectfully submitted,  
Jane Hosford/KC8FSK-Secretary

## **CMARC MEETING MINUTES**

### **April 11, 2014**

President Dan Beuchert/WX8MOJ called the meeting to order at 7:10 and welcomed both members and visitors attending tonight.

Silent key report:  
None.

A moment of silence for our silent keys.

#### ATTENDANCE:

There were 46 people in attendance. Visitors included: Troy Creed/W8TCC, David Dembinski/KD8YDE, Jim Byers/N8GNN, Mary Tillitson, Debbie Headley, Gloria Cote, Jim Jurmo/AC8NI, Paul Bodnar/KD8DLP, Barbara Sherman and Miss Abby Beuchert.

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

David Dembinski/KD8YDE.

#### CARDS AND FLOWERS REPORT:

Get well cards were sent to Gary Grabenstein/K8CKW, and Roger Barnhill/AB8RX and Louis Larche'/KD8BWL. A sympathy card was sent to Erv Bates/W8ERV and family after the loss of his sister-in-law.

#### INTERESTING DX CONTACTS:

Jerry/KD8GLN-Lithuania and Gregg/WB8LZG-St. Andrews Islands.

#### OLD BUSINESS:

- A motion to accept the March Secretary's Report as printed in the March SCOPE was made by Ted/WA8MFQ, seconded by Don/KB8RAD, and approved.
- A motion to accept the March Treasurer's report as printed in the March SCOPE was made by John/KC8QZB, seconded by Don/KD8BD and approved.

Tower climb prevention: Bob/K8RDN can help.

Julie: Ladies' Night Banquet - Friday, May 9th, 6:00pm sharp, @Delhi Cafe. Men of Orpheus will be performing and the Ziegenbein Award will be presented. Julie has reservation forms, they are also in the Scope and on the website. Please have your reservation to Julie by May 1, 2014.

July 26, 2014 is the CMARC Hamfest @Holt Christian Church.

The grand prize is a dual band radio, donated by one of our members and his wife. Thanks so much!

RF Adapter guy coming

AMSoil dealer

Forum by Matt Miller/KD8OOS

GOTA Station

Special Event Station by Al Wright/KE8DR and Mike Perez/N8OUN

Food-sloppy joes, brats and hot dogs

Need: canopies and an announcer

Still gathering information for license class.

On March 29th the CW World Wide Prefix Contest was held in the Club Room. There were 12 visitors and eight operators with over 240 contacts.

Michigan QSO party April 19, 2014. Dan/WX8MOJ has a sign-up sheet for anyone interested in the contest.

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

NOTE: IF YOU WISH TO HAVE YOUR ANNIVERSARY AND BIRTHDAY MENTIONED IN THE SCOPE PLEASE FILL OUT THE MEMBERSHIP FORM THAT'S IN THE SCOPE OR ONLINE.

#### NEW BUSINESS:

- By-law and Insurance Consult Update: It will cost \$300.00 - \$400.00 to have an attorney rewrite the by-



laws for us.

- Don/KD8BD made a motion to go ahead and have this attorney rewrite the by-laws for us, not to exceed \$400.00, seconded by Ken/W8AAX and approved.
- Larry Camp/WB8R has asked about a possible leadership workshop for ARRL.
- Roger Barnhill/AB8RX has a 30 foot tower and HF vertical antenna for sale, if anyone is interested.
- Volunteers are needed for upcoming walks and events. You can find a list on the ARPSC website.
- The Annual Dayton Hamvention Excursion is Saturday, May 17, 2014. Sponsored by the Michigan Amateur Radio Team in Kalamazoo. Price is \$100.00 per person. Down payment is \$20.00 to reserve your spot. Contact Mike Greis/KD8GTX - 269-998-2368 - KD8GTX@arrrl.net or Chip Locke/WB8ALW - 269-998-8122 - WB8ALW@arrrl.net.

#### UNDER 22 REPORT:

Nothing to report.

#### 50/50 DRAWING:

Debbie Headley won \$17.00.

Motion to adjourn for break made by Don/KC8CY, seconded by Don/KB8RAD and approved.

#### MAIN PROGRAM AND/OR SPEAKER:

The Western Michigan and Northern Indiana Salvation Army Emergency Disaster Services Team spoke to us about S.A.T.E.R.N. Salvation Armey Team Emergency Radio Network. The program was presented by Tim Jurmo/AC8NI and Paul Bodnar/KD8DLP.

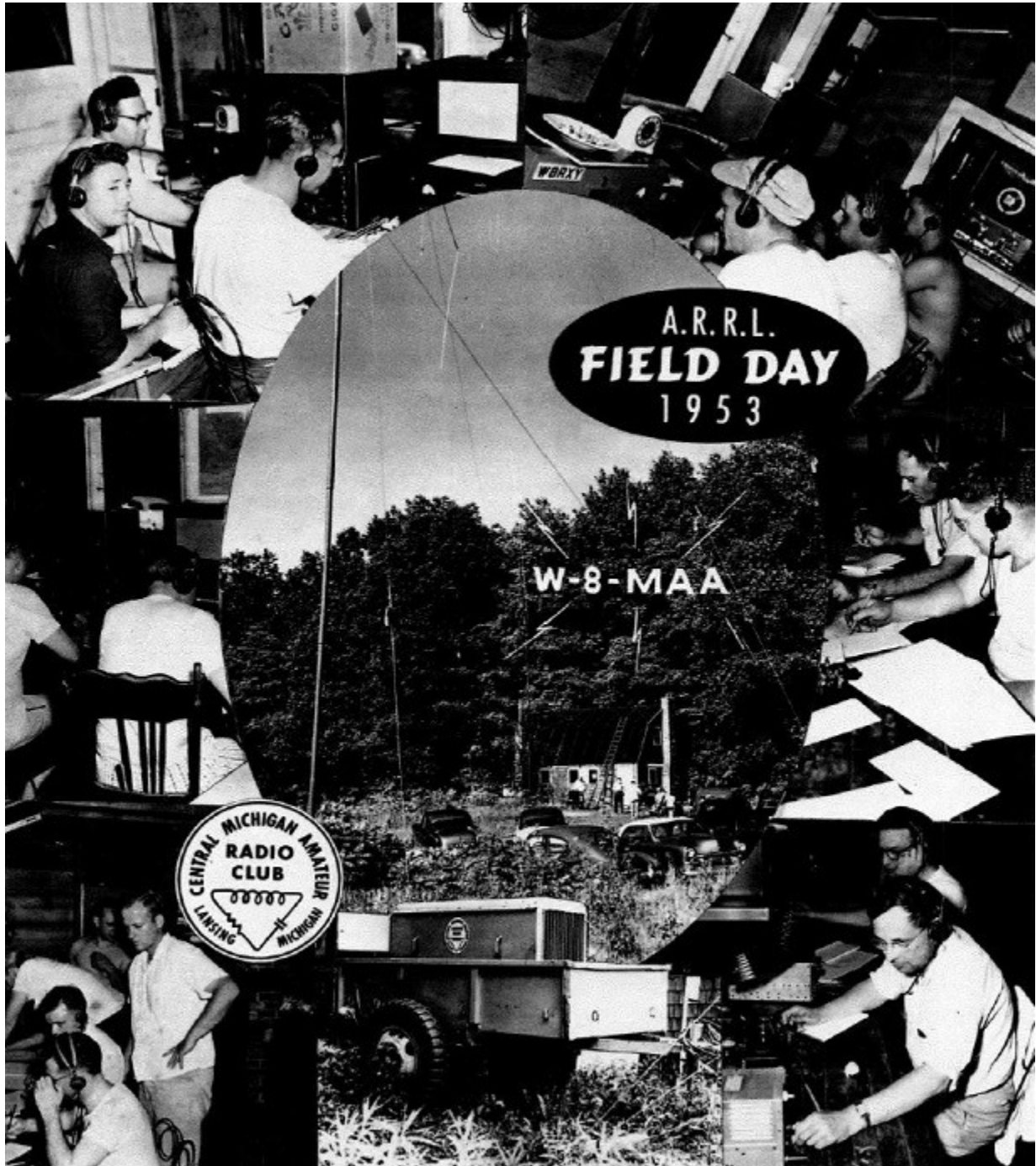
With all business concluded, the meeting was adjourned at 9:30 pm.

Respectfully submitted,  
Jane Hosford/KC8FSK-Secretary

April 2014 Treasurer's Report	
Primary Share Acct. (Humphreys Fund)	\$1090.50
Business Checking	\$3435.82
Net Worth	\$4526.02
Youth Fund Balance* (as of 04/2013)	\$253.82
Building Fund (Club Station)	\$9.09
<i>separate from CMARC Funds</i>	
Submitted, <i>Jerry Waite/KD8GLN - CMARC Treasurer</i>	

## ARRL Field Day 1953

Thanks to Al W8RXY for the great picture below. Some HAMs that were working Field Day that year were: Chuck Richardson (W8RXY), Pete Gosset (W8CKK), Don Devendorf (9W8EGI), Ed Swarie, Harold Mahlke (W8QC), Gordon Main (W8OCK), Currin Skutt (W8FSZ), Bill Chapman (W8TJQ)



# 2014 CMARC "OUTDOOR" HAMFEST

(We've got EVERYTHING but the ROOF!!)



**ARRL  
Sanctioned**

Sponsored by the  
**Central Michigan Amateur Radio Club**

**Saturday, July 26, 2014**

**8:00 AM to 1:00 PM**

(Setup Saturday 6-8AM)

at the

**Holt Christian Church  
2424 S. Washington Rd.  
Lansing, MI 48911-7207**



**Talk-in 145.390  
(100Hz PL)**

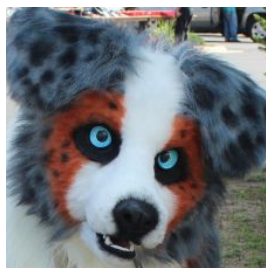
**ADMISSION: Public** = \$3.00 each, Kids 15 and under FREE!! (Handicap Accessible!!)

**Vendors/Sellers** = \$3.00 each (includes 1 trunk space). Additional spaces \$5.00 each. RSVP today to secure the number of spaces you need! Also, please remember to bring your own tables, chairs, and canopies. (We have a limited number of tables and canopies available for rental so RSVP early if you need them!!)

*For Reservations or Questions contact Julie McLain KB8ZXR (517.694.0812 or KB8ZXR@aol.com)*



**DON'T FORGET** to enjoy a Sweet Roll and Coffee--then later on grab a Sloppy Joe or a Hot Dog/Brat "Hot Off The Grill" with all your favorite trimmings!!



**"TYCHO AUSSIE"**  
CMARC's 6' 3" Mascot will be back again this year!!

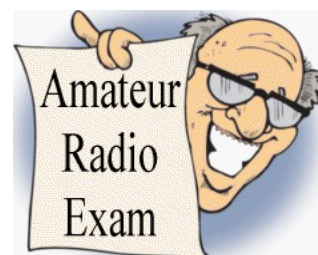
**"RF ADAPTER GUY"**  
will be here, offering RF connectors, adapters, antennas & accessories for your Ham, Commercial, GMRS or CB needs.

Along with our returning

**"AMSOIL" Independent Dealer**

And then there's our

**"K8H"**  
**SPECIAL EVENT STATION!!**  
From 8am to 2pm (1200 UTC to 1800 UTC) on Saturday, July 26, 2014. Frequencies are: 14.260 HF and 145.00 VHF (simplex). QSL cards available.



**VE TESTING** at 11am.  
Sponsored by the "Ingham County VE Group". Walk-ins are Welcome!!



**"StrongWare"**  
Custom Callsign Mugs made-to-order while you wait!!



## **FORUM**

“Message Handling via IP Networks” (Broadband-Hamnet™ & DMR Radios);  
also time for Q&A  
(9am-10:30am)

## **ARRL's LARRY CAMP**

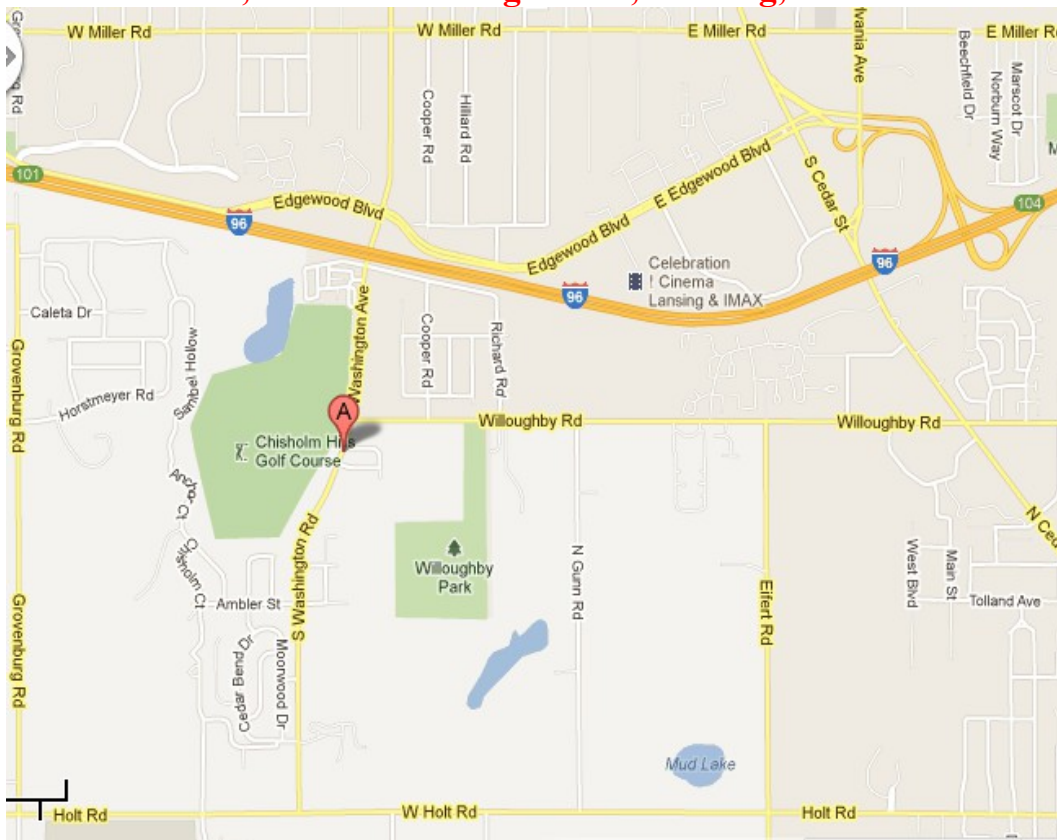
### **WB8R**

Michigan Section Manager  
Great Lakes Division

## **G.O.T.A. STATION**

Don't have a license? Come  
**Get On The Air** with the Youth  
of CMARC!!

**Holt Christian Church, 2424 S. Washington Rd, Lansing, Talk-in 145.39-100Hz PL**



**COME OUT AND JOIN US FOR THIS YEAR'S "OUTDOOR" HAMFEST!!**  
**COME "RAIN OR SHINE" WE GUARANTEE YOU'LL HAVE A GREAT TIME!!**



## NETS in the Greater Lansing Area

**"The Breakfast Club Net"** meets EVERY weekday morning from 7am to 11am on the 145.39 repeater (PL 100 Hz), with Net Coordinator Don McLain/KB8RAD. This Net has been around now for over FOUR YEARS (since September 24, 2009) and averages around 90-100 check-ins per morning, but the NEW all-time record is 118 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! They are already 353 members strong and would love to have YOU join them, too! [www.facebook.com/groups/112208875498362](http://www.facebook.com/groups/112208875498362)

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 **"Lansing Area/Ingham County Amateur Radio Public Service Corps Training Net"** meets on the first Monday night of the month at 7pm on the 145.39 repeater (PL 100 Hz). Volunteer Net Control Operators are needed each month, 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 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 SIX AND A HALF 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!"

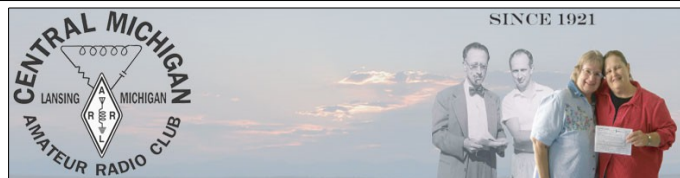
The **"Mid-Michigan Information & Trader's Net"** meets every Wednesday evening at 7:00pm on the 145.39 repeater (PL 100 Hz), with Net Coordinator Don McLain/KB8RAD. This Net has been around now for over FOUR YEARS (since November 11, 2009) and is still growing!! Be sure to join Don for a time of FUN, 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!!

The **"Michigan Radio Amateur Youth Net"** (or MRAY) meets every Thursday night at 7pm on the 145.39 repeater (PL 100 Hz), with Net Coordinator Matt Miller/KD8OOS or other area young people. In addition, EchoLink is available for the first hour of the Net by searching for "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
Director:	John Doornhaag-KD8NNQ	
Director:	Sharon Waite-KD8HHK	Ph: (517) 882-5406
Under 22:	Matt Miller-KD8OOS	
Cards/Flowers:	Jane Hosford-KC8FSK	Ph: (517) 648-8240
Photographer:		
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	

**\*\*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 7:00pm. Board Meeting begins at 6:30 pm.  
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	<a href="mailto:wd8bcs@arrl.net">wd8bcs@arrl.net</a>
Director:	Jan Bradfield- KC8BFFK	Ph: (517) 202-1779
Director:	Donald McLain-KB8RAD	Ph: (517) 694-0812
Director:	Jim Harvey-KA8DDQ	Ph: (517) 882-5796
Tres./Mem. Ch:	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: 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

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 1<sup>st</sup> 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)  
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 \_\_\_\_\_

Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_

ZIP \_\_\_\_\_ Phone \_\_\_\_\_ Lic. Class \_\_\_\_\_

ARRL Member? \_\_\_\_\_ Birthday \_\_\_\_\_ Wedding Anniversary \_\_\_\_\_

Year 1<sup>st</sup> 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

# THE SCOPE

Lansing Civil Defense Repeater Association



[centralmiarc.com](http://centralmiarc.com)

Serving Our Community Since 1921

[lcdra.net](http://lcdra.net)

CMARC	ARPSC	LCDRA
		
<a href="http://WWW.CENTRALMIARC.COM/">WWW.CENTRALMIARC.COM/</a>	<a href="http://WWW.LANSINGARPSC.COM/">WWW.LANSINGARPSC.COM/</a>	<a href="http://WWW.LCDRA.NET">WWW.LCDRA.NET</a>