



**October 2007**  
**Central Michigan Amateur Radio Club**



# The Scope

**Lansing Civil Defense Repeater Association**

[www.qsl.net/cmarc](http://www.qsl.net/cmarc) 84 Years of Service to Our Community! [www.qsl.net/lcdra](http://www.qsl.net/lcdra)

## Table Of Contents

### **Page 2:**

- Breakfast Groups
- Regular Announcements
- Nets

### **Page 3:**

- Birthdays & Anniversaries
- Treasurer's Report
- Correction-by DeAnna
- Club Officers

### **Page 4:**

- Hamfest
- Antenna Party- by Gregg
- New Class Info- by Rocky

### **Page 5:**

- "What's My Sign"- by Julie

### **Page 6:**

- CMARC meeting minutes

### **Page 7:**

- Lesson of the Geese-By DeAnna
- Key of the Month

### **Page 8:**

- FCC Vanity Call Info
- Tidbit

### **Page 9:**

- Club Registration Forms



**Breakfast groups**

1. Rod's Breakfast Bunch Each Friday - Starts about 8:00 - 8:30 AM (**Postponed until further notice**).
2. QCWA – Last Saturday of every month – at 8:00 AM – Delhi Café on Willoughby Rd.
3. 539er's – Every Saturday – 8:00 AM – Penn Ave Diner on Pennsylvania Rd near Miller.
4. RAD's Coffee Break –Every Saturday from 8:30 pm -?? @ Legends On South Cedar St. Near I-96 Bridge. Talk in on 145.390

**CMARC Central Michigan Amateur Radio Club** meeting is held the first Friday of every month at 7:30 pm at the Red Cross building 1800 E. Grand River Lansing. Dates may change due to holidays. **Next Meeting October 5<sup>th</sup>**

**Regular Announcements**

Lansing VE testing is held the 2<sup>nd</sup> Saturday of the odd months at the Red Cross building. Registration begins at 9:30 am and testing starts at 10:00 am. The address is 1800 E. Grand River Lansing. The next date is?

January 13 <sup>th</sup>	March 10 <sup>th</sup>	May 12 <sup>th</sup>
July 14 <sup>th</sup>	September 8 <sup>th</sup>	<b>November 10<sup>th</sup></b>

**Charlotte VE testing** is on the 2<sup>nd</sup> Saturday of even months at the Eaton County Sheriff's Department, Charlotte MI at 12:00 noon. The next Registration date is?

February 10 <sup>th</sup>	April 14 <sup>th</sup>	June 9 <sup>th</sup>
August 11 <sup>th</sup>	<b>October 13<sup>th</sup></b>	December 15 <sup>th</sup>

**The Delta Township Auxiliary Communications Service** meetings are held on the 1<sup>st</sup> Monday of each month at Fire Station Number One on Saginaw and Canal Rd. at 7:00 pm. The Next meeting is?

January 8 <sup>th</sup>	February 5 <sup>th</sup>	March 5 <sup>th</sup>
April 2 <sup>nd</sup>	May 7 <sup>th</sup>	June 4 <sup>th</sup>
July (No Meeting)	August (No Meeting)	September 3 <sup>rd</sup>
<b>October 1<sup>st</sup></b>	November 5 <sup>th</sup>	December 3 <sup>rd</sup>

**The Lansing Civil Defense Repeater Association**, LCDRA, meeting is held quarterly on the Third Thursday at Fire Station Number 8 on Marshall and Saginaw St in Lansing at 7:00 pm. The next meeting will be?

January 18	April 19 <sup>th</sup>	July 19 <sup>th</sup>	<b>October 18<sup>th</sup></b>	January 17, 2008
------------	------------------------	-----------------------	--------------------------------	------------------

**ARPSC** meets the 3<sup>rd</sup> Monday of every month @ 7:00 pm. Odd months they meet @ Fire Station 8 on Marshall and Grand River Even months they meet @ Ingham County Sheriff's Department 630 N. Cedar St Mason MI Next dates...

**Odd-**

January 15 <sup>th</sup>	March 19 <sup>th</sup>	May 21 <sup>st</sup>	July 16 <sup>th</sup>	September 17 <sup>th</sup>	November 19 <sup>th</sup>
--------------------------	------------------------	----------------------	-----------------------	----------------------------	---------------------------

**Even-**

February 19 <sup>th</sup>	April 16 <sup>th</sup>	June 18 <sup>th</sup>	August 20 <sup>th</sup>	<b>October 15<sup>th</sup></b>	December 17 <sup>th</sup>
---------------------------	------------------------	-----------------------	-------------------------	--------------------------------	---------------------------

**NETS:**

Sunday-147.080 @ 8 pm. PI 103.5 tone. Eaton County Amateur Radio net.  
 Monday-443.625 @ 9 pm. PI tone 100. Traders net.  
 Tuesday-443.625 @ 9 pm. PI tone 100. Michigan IRLP net.  
 Wednesday-443.625 @ 9 pm. PI tone 100. Canadian IRLP net.  
 Friday-443.625 @ 9 pm. PI tone 100. International IRLP net. (New net)

**Nets, continued...**

- The central Michigan six-meter fun net is held every Sunday evening @ 9 pm on 52.525 MHz.
- The CMARC information and fun net is held every Sunday evening @ 8:30 pm on the 145.390 repeater 100Hz. PL.
- The Eaton County, ECARC net is held every Sunday evening @ 8 pm on the 147.080 repeater.
- Ionia County net, N8ZMT is held every Monday evening @ 7pm on 145.13 (PL 94.8)
- Tuesday evenings @ 8 pm the QCWA- Quarter Century Wireless Association net is on the 146.700 repeater, 100Hz. PL You do not need to be a member. All check-ins are welcomed.
- Tuesday evenings@ 8 pm The Ladies Tea Time Net is held on the 145.390 repeater. Anyone welcomed.
- Thursday evenings @ 8 pm the CCARA – Clinton County Amateur Radio Association holds their net on the 444.850 (141.3 PL) and 146.86 (107.2 PL). You can also use 147.480 simplex.

**Please support these area nets, their survival depends on you!!!**

**October Birthdays**

10/1 Juan Pizano Sr. N8YQR  
 10/5 James Lakin W8JRL  
 10/6 Emile Alhaddad KC8BFJ  
 10/11 Gloria Cote  
 10/13 Jane Hosford KC8FSK  
 10/14 Don Devendorf W8EGI  
 Roy Uchigasham N8GAQ  
 Robert Mann WD8OEV  
 10/17 Nick Proy KB8LSR  
 10/27 Marion Stoddard

**October Anniversaries**

10/5 Dennis Boone KB8ZQZ and wife  
 10/9 Don Cote KD8BD and Gloria  
 10/25 Joe N8VYS and Pam KB8PSF Denomme

**October 2007 CMARC Treasurers Report**

Assets NuUnion Credit Union	
Primary Share Account (Humphries Fund)	\$353.83
Business Checking Account	\$939.45
NuUnion Certificate of Deposit 4.15% (02-13-08)	\$1,698.05
Net Worth August 31, 2007	\$2991.33

Ron Harger - WD8BCS  
 2007 CMARC Treasurer

**Correction:**

I had forgotten to acknowledge in last month's scope Don and Julie McLain's anniversary, which was August 11<sup>th</sup>. Sorry and hope you had a Happy Anniversary. If anyone else has been missed I'm sorry. If you would like your Birthday or Anniversary announced in the scope please make sure I have the information. I won't publish it unless I'm told it's ok due to privacy rights. So next time you see me at The club meeting check with me or email me and I will be happy to add to the list!!!

Thanks everyone. 73's DeAnna

**2007 Club Officers**

<b>President</b>	<b>Roger Barnhill</b>	<b>AB8RX</b>	<b>517- 980-4798</b>
<b>Vice President</b>	<b>John Hosford</b>	<b>KC8QZB</b>	<b>517-699-2540</b>
<b>Secretary</b>	<b>DeAnna Barnhill</b>	<b>KD8BDI</b>	<b>517-505-1983</b>
<b>Treasurer</b>	<b>Ron Harger</b>	<b>WD8BCS</b>	<b>517-204-4897</b>
<b>Director</b>	<b>Jane Hosford</b>	<b>KC8FSK</b>	<b>517-699-2540</b>
<b>Director</b>	<b>Gregg Mulder</b>	<b>WB8LZG</b>	<b>517-646-6257</b>
<b>Membership</b>	<b>John Ingraham</b>	<b>NG8L</b>	<b>517-230-9445</b>
<b>Under 22 Director</b>	<b>Corey Bulock</b>	<b>KD8BOQ</b>	<b>517-930-2372</b>
<b>Scope Editor</b>	<b>DeAnna Barnhill</b>	<b>KD8BDI</b>	<b>517-505-1983</b>
<b>Web Chairman</b>	<b>John Ingraham</b>	<b>NG8L</b>	<b>517-230-9445</b>
<b>Skywarn Chairmen</b>	<b>Ben Holcomb</b>	<b>WA8BEN</b>	<b>517-282-5321</b>
<b>Awards Manager</b>	<b>Don De Feyter</b>	<b>KC8CY</b>	<b>517-641-4533</b>
<b>Zieg. Nominations</b>	<b>Joseph Denomme</b>	<b>N8VYS</b>	<b>517-589-5868</b>
<b>VE Team Liaison</b>	<b>Laurence Nordeen</b>	<b>N8VEN</b>	<b>517-676-1799</b>
<b>VE Team Contact</b>	<b>Joseph Denomme</b>	<b>N8VYS</b>	<b>517-589-5868</b>

## Upcoming Hamfests

Dates	Event and Contact	Location
14 Oct 2007	Kalamazoo ARC & Southwest Michigan AR Team <a href="http://www.kalamazoohamfest.com">http://www.kalamazoohamfest.com</a> <b>Talk-In:</b> 147.640/147.040 (PL 94.8) Jim Simons, N8IJH PO Box 33 Richland, MI 49083-0033 Phone: 269-388-4865 Email: <a href="mailto:info@kalamazoohamfest.com">info@kalamazoohamfest.com</a>	Kalamazoo, MI Kalamazoo County Fairgrounds (Exhibition E) <b>2900 Lake Street</b> <b>Div:</b> Great Lakes <b>Sect:</b> Michigan
20 Oct 2007	The Great Lakeshore Super Swap Holland Amateur Radio Club <a href="http://www.hollandarc.org">http://www.hollandarc.org</a> <b>Talk-In:</b> 147.060 (PL 94.8) Sue Seidman, KC8RQS c/o HARC 46 West 21st Street Holland, MI 49423 Phone: 616-394-9821 Email: <a href="mailto:swap@hollandarc.org">swap@hollandarc.org</a>	Holland, MI West Ottawa South Campus <b>3600 152nd Avenue</b> <b>Div:</b> Great Lakes <b>Sect:</b> Michigan
28 Oct 2007	U.S.E.C.A. SWAP Utica Shelby Emergency Communications Association <a href="http://useca.rfc791.org">http://useca.rfc791.org</a> <b>Talk-In:</b> 147.180 (PL 100) Bob Hollingsworth, KZ8N PO Box 46331 Mt. Clemens, MI 48046 Phone: 586-716-9114 Fax: 586-716-9114 Email: <a href="mailto:kz8n@arrl.net">kz8n@arrl.net</a>	Sterling Heights, MI Polish-American Century Club <b>33204 Maple Lane Drive</b> <b>Div:</b> Great Lakes <b>Sect:</b> Michigan

### **ANTENNA PARTY**

We are looking for able-bodied people to help with an antenna party at the home of Kay Clark (SK Forrest Clark). We are planning on either the weekend of Oct. 6th or Oct. 13th. We will be taking down 6 towers, some with antennas installed. Here's your chance to help out and get dibs on some nice tower sections, which we will be asking \$10 a piece. Most are Rohn 25G. Compare that to \$85+ for new one's. As you'll see this is quite a bargain. We need at least 6 people and preferably 8, to do the disassembly safely. We are planning on Oct. 6th, with Oct 13th as a backup in case of bad weather. This is your chance to "give back" to the hobby and well as helping out Forrest's XYL Kay. Kay assures me that food and refreshments will be provided for all who are there. The more people we have the better. Plan on coming out and helping, won't you. For the younger hams among us, here's your chance to learn how to do it right, and get an inexpensive tower to boot. If you can help please call Gregg Mulder at 517- 646-6257.

### **NEW CLASS:**

INGHAM/LANSING ARPSO NCS AND NET OPERATIONS CLASS NOV 3, 2007 1300-1600 LOCATION: EOC (STATION 8) SIGN UP ONLINE OR AT THE OCT ARPSO @ THE ICSD. QUESTIONS CONTACT: ROCKY K8DRB ON THE 146.70 REPEATER OR E-MAIL [WD8SBO@ATT.NET](mailto:WD8SBO@ATT.NET)

**"WHAT'S MY SIGN?"**  
by Julie McLain/KB8ZXR

I was born April 29, 1929 in my parents' house in Jackson, Michigan. Soon after I was born, the world went into a depression! I really had nothing to do with that, but some may wonder! My two brothers and I spent an interesting childhood growing up together. After graduating High School in 1947, I joined the Michigan Army National Guard in 1948 where I spent the next 26 years of my life, retiring as a LT Col. For 23 of those years you could find me with a microphone in my hands as I was an Artillery Officer and used the radio a lot. [My full time job, however, was with the DNR, working mostly on the Civil Engineering side where I retired as the Fiscal Supervisor of the Engineering Division - - quite a switch for me! After retirement from the Guard in 1974 I felt lost without my mike, so my brother Bill/WD8NYW got me into CB radio. That was fine for a while, but I soon found out that CB'ers, while they were usually good people, were an undisciplined bunch. Then Bill came up with Amateur Radio. This was more like it! So, Bill, my son Scott, Don Defeyter/KC8CY and I took lessons from Hal Bell/WB8LAY and Larry Allman and we all got our Novice licenses in 1977 AFTER Field Day. (It took a long time then to get your license through the FCC.) I got my Advanced license within two years, but waited some 20+ years to get my Extra.

My modest station consists of an Icom IC-18 HF radio with both a manual and automatic tuner, an Icom IC-207H VHF/UHF mobile radio plus an Icom IC-T8A HT. I have a 20/15/10 meter beam, an inverted "V" antenna and an NVIS dipole. (That NVIS antenna - Near Vertical Incident Skywave - is really quiet on some of our 3 meg frequencies.) One of my first rigs was a Heath kit with an external VFO so it didn't have to be crystal controlled. I must say that the time I spent on my old "Hot Water 16" doing code was the most fun I've had using Amateur Radio. I got hooked on phone and enjoyed that for many years to the detriment of my CW ability. Even though there are so many varied components of the Amateur hobby, I still enjoy Field Day and Sweepstakes most of all.

I did discover another interesting aspect of the hobby when I wasn't doing much of anything in Ham Radio -- I got interested in Army MARS. I joined MARS (Military Affiliate Radio System) in 2006 and I'm now quite active in this very worthwhile organization. I run at least one Net per week and we still send some MARS-grams, helping soldiers and their families communicate. However, we don't do as much as we used to because of e-mail, cell phones, etc. MARS is under the Department of the Army and we have our own discreet frequencies we're assigned to. In the future we will be working more closely with RACES. MARS is looking for more Hams who want to get involved with this endeavor. Some of the requirements are that you have to be a Technician or higher and have access to some HF equipment.

As for my personal life, I married the "love of my life", Gloria Doleske, on October 9, 1954. We were blessed with two sons, Mark and Scott. Sadly, we lost Scott two days after his 44th birthday on September 29, 2005. However, Scott did leave us with his lovely wife, Christie, and three lovely and talented granddaughters. They all live in Montana, just outside of Yellowstone National Park. Mark received his BA in Mechanical Engineering, but after three years went to Seminary and became a Youth Minister. He now lives in St. Louis, Missouri and is a great comfort to us as well as many others.

As for any good advice I could offer the Club and my fellow Hams, I recommend that all of you put your skills in communication to good use by staying active on the Ham bands and being ready for a public service role when an emergency arises. If we are to be of any help to others in an emergency we need to train and practice the skills required to effect communications when the time comes - and it surely will. In the meantime, build the Club, be active and have fun!

Okay, now that you and I have gotten better acquainted, "What's My Sign?" My Callsign is KD8BD (MARS is AAR5YD) and my name is Don Cote.

**Central Michigan Amateur Radio Club**  
**Minutes of the Meeting (June 1, 2007)**

The business meeting was brought to order by club president Roger Barnhill AB8RX at 7:15 p.m.

**Members**

35 members were present at the meeting. (Awesome!!!)

**Visitors**

Mary Lou Tillitson  
 Ruth Hinkle  
 Tim Marshall KD8AKW  
 Gloria Cote  
 Ann Berger

**Cards and Flowers**

Don Hinkle  
 John Cornell (injured in Iraq)  
 Inez Pearson  
 Jim Crites KC8SEQ (Mother passed away)

**Upgrades and New Licenses**

Chris Reusch – Extra – AB8ZL

**Old Business**

Treasurer's report has been accepted as read, subject to annual audit by Bernie Gaffney N8PVZ and seconded by Don Cote KD8BD

**New Business**

CMARC membership is up to 128 as of Sept meeting.

Dan Harger W8BCI announced that the repeater interference on 145.39 that has been going on for a few yrs now has been located to an ADT alarm at a residence in Okemos.

Don Cote has announced he's stepping down as chair on the committee to locate a new place for the club due to health issues. He will remain on the board and Bill Mathews KB8TTS has offered to take his place and will keep the others members informed as to what is going on.

The Club Call sign W8PLP that is being used at Red Cross does not belong to Red Cross...it is the club's. Evidence to the contrary in the club history found on the club website is in error.

Don Cote KD8BD and Gregg Mulder WB8LZG hold the updated list of Forrest Clark's equipment. If anyone is interested or have any questions contact them.

**EVENT ANNOUNCEMENTS**

- Lowell Swap Sept 8<sup>th</sup>
- Run with the MSU Women's Basketball team will be on Sept. 9<sup>th</sup>
- Hike for Hospice will be Sept. 16<sup>th</sup>.
- Sweepstakes November. More Information to come or talk to Gregg Mulder.

Meeting adjournment was moved by Don McLain KD8RAD and seconded by Bill Cote WD8NYW. Meeting adjourned at 8:17 pm.

Refreshments were offered and Program was from B & B Embroidery.

**During one of our Walks at Hawk Island a few of us were discussing the Geese and why they fly like they do...I said "it's actually a neat story, that someone had sent to me and that I would find it and pass it on." It reminds me of our radio group...as you read it you will understand. So here you go...I hope you enjoy it as I did. Take care, DeAnna KD8BDI**

### Lessons of the Geese

In the fall when you see geese heading south for the winter flying along in the "V" formation, you might be interested in knowing what science has discovered about why they fly that way. It has been learned that as each bird flaps its wings, it creates uplift for the bird immediately following. By flying in the "V" formation, the whole flock adds at least 71% greater flying range than if each bird flew on it's own

Quite similar to people who are part of a team and share a common direction, they get where they are going quicker and easier, because they are traveling on the trust of one another and lift each other up along the way. Whenever a goose falls out of formation, it suddenly feels the drag and resistance of trying to go through it alone and quickly gets back into formation to take advantage of the power of the flock.

If we have as much sense as a goose, we will stay in formation and share information with those who are headed in the same direction we are going. When the lead goose gets tired, he rotates back in the wings and another goose take over. It pays to share leadership and take turns doing hard jobs. The geese honk from behind to encourage those up front to keep their speed.

Words of support and inspiration help energize those on the front line, helping them to keep pace in spite of the day-to-day pressures and fatigue. It is important that our honking be encouraging. Otherwise it's just -well- honking!!

Finally, when a goose gets sick or is wounded and falls out, two geese fall out of the formation and follow the injured one down to help and protect him. They stay with him until he is either able to fly or until he has died, then they launch out with another formation to catch up with their group.

When one of us is down, it's up to the others to stand by us in our time of trouble. If we have the sense of a goose, we will stand by each other when things get rough we will stay in formation with those headed where we want to go.

**So the next time you see a formation of geese, remember their message that:  
" IT IS INDEED A REWARD, A CHALLENGE AND A PRIVILEGE TO BE  
A CONTRIBUTING MEMBER OF A TEAM!!!"**

Author unknown

#### Key of the Month

This months Key of the Month is a bit different. I met a ham at the Lapeer swap a few years back, he was admiring the wooden finger pieces on my keys while telling me of the one he had done in Petoskey Stones. I had never heard of anyone doing anything like it. (Nor ever will again) He consented to sending a picture for all of us to enjoy. Twin J-38"s with custom Petoskey Stone knobs and shorting bar handles. He said that the hardest part was the initial cuts. They tended to break the stone into bits if one was not "just so" , because of the brittle nature of the stone when cut. Many thanks to Bill Dewey,W8COY of Torch Lake.

73's Gregg WB8LZG



### **FCC to Lower Vanity Call Sign Fees September 17**

The FCC will reduce the regulatory fee to obtain or renew an Amateur Radio vanity call sign by more than 40 percent starting September 17. In a Report & Order (R&O) released August 6, "Assessment and Collection of Regulatory Fees for Fiscal Year 2007," in MD Docket 07-81, the Commission will cut the fee from its current \$20.80 to \$11.70. This marks the lowest fee in the history of the current vanity call sign program. The FCC is authorized by the Communications Act of 1934 (as amended) to collect vanity call sign fees to recover the costs associated with that program. The vanity call sign fee has fluctuated over the 11 years of the current program -- from a low of \$12 to a high of \$50. The FCC says it anticipates some 14,700 Amateur Radio vanity call sign "payment units" or applications during the next fiscal year, collecting \$171,990 in fees from the program.

**Vanity Fee Due for New, Renewal Applications:** The vanity call sign regulatory fee is payable not only when applying for a new vanity call sign, but also upon renewing a vanity call sign for a new term. The first vanity call sign licenses issued under the current Amateur Radio vanity call sign program that began in 1996 came up for renewal last year. Those holding vanity call signs issued prior to 1996 are exempt from having to pay the vanity call sign regulatory fee at renewal, however. That's because Congress did not authorize the FCC to collect regulatory fees until 1993. Such "heritage" vanity call sign holders do not appear as vanity licensees in the FCC Amateur Radio database.

Amateur Radio licensees may file for renewal only within 90 days of their license expiration date. All radio amateurs must have an FCC Registration Number (FRN) before filing any application with the Commission. Applicants can obtain an FRN by going to the [ULS](#) and clicking on the "New Users Register" link. You must supply your Social Security Number to obtain an FRN.

**ARRL Processes License Renewals, Including Vanities:** The ARRL VEC will process license renewals for vanity call sign holders for a modest fee. The service is available to ARRL members and nonmembers, although League members pay less. Routine, non-vanity renewals continue to be free for ARRL members. Trustees of club stations with vanity call signs may renew either via the ULS or through a Club Station Call Sign Administrator, such as ARRL VEC.

League members should visit the "[ARRL Member Instructions for License Renewals or Changes](#)" page, while the "[Instructions for License Renewals or Changes](#)" page covers general renewal procedures for non members. There's additional information on the ARRL VEC's "[FCC License Renewals and ARRL License Expiration Notices](#)" page. License application and renewal information and links to the required forms are available on the [ARRL Amateur Application Filing FAQ](#) Web page. The [FCC's forms page](#) also offers the required forms.

#### **Tidbit**

**TRUE OR FALSE?** Wearing rubber-soled shoes protects you from lightning. Answer: Don't bet your new shoes -- or your life -- on it. Rubber soles won't do you any good. That bolt of electricity traveled all the way from within the thundercloud and packs as much of a heated punch as the sun's surface. So if lightning strikes the ground nearby, it still can go into your body through your feet. Nor do the rubber tires on your car make a difference. However, the metal shell of a hardtop vehicle is a good conductor. It won't provide 100% protection, but as long as you aren't touching any metal and you keep the windows rolled up, you'll be safer than you would be standing outside.



### Central Michigan Amateur Radio Club



Please print and complete the form below. Make check or money order payable to CMARC. Mail completed membership form and the membership fee to:

John Ingraham / NG8L, Membership Chairman  
 2807 Greenbriar Avenue  
 Lansing, MI 48912

NAME: \_\_\_\_\_ Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Phone: \_\_\_\_\_ ( ) Call: \_\_\_\_\_ Lic. Class: \_\_\_\_\_  

ARRL Member?	Yes	No	(Circle Answers)
Email Scope?	Yes	No	

 Email Address: \_\_\_\_\_  
 Birthday \_\_\_\_\_ Month: \_\_\_\_\_ Day: \_\_\_\_\_  
 Wedding Anniversary: \_\_\_\_\_  
 Full Membership: \$10.00 / year  
 Associate Member: 5.00 / year  
 Membership dues are from January to December.

As a licensed Amateur, you can sign up today as a Full member of CMARC. This grants you voting rights and an annual subscription to SCOPE, the club newsletter. An Associate member does not have voting rights but does receive an annual subscription to the SCOPE.

### Lansing Civil Defense Repeater Association



Please print and complete the form below. Make check or money order payable to L.C.D.R.A.. Mail completed membership form and the membership fee to:

L.C.D.R.A.  
 PO Box 26281  
 Lansing, MI 48909-6281

### Lansing Civil Defense Repeater Association

NAME: \_\_\_\_\_ Address \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Phone: \_\_\_\_\_ ( ) Call: \_\_\_\_\_ Lic Class: \_\_\_\_\_  
 Birthday \_\_\_\_\_ Month: \_\_\_\_\_ Day: \_\_\_\_\_

Full Membership: \$15.00 / year  
 2nd Membership of same family: \$ 7.50 / year  
 Membership dues are from January to December.

E-mail For SCOPE Newsletter \_\_\_\_\_

**Use of the repeaters does not REQUIRE membership, but your support is GREATLY appreciated.**