



Central Michigan Amateur Radio Club
Lansing Civil Defense Repeater Association
P O BOX 27321
LANSING MI 48909

The Scope

June 2004



INSIDE THIS ISSUE:

CMARC/LCDRA Board	2
Presidents' Corner	2
LCC Clean Out	3
Upcoming Events	3
For Sale	3
Local Nets	3
Treasurer's Reports	4
Birthdays/Anniversaries	5
CMARC Minutes	6

Hamfests for August

August 7
Delta County ARS
Escanaba, MI

Contact: John Anderson, WD8RTH
PO Box 923
Escanaba, MI 49829-0923
Phone: 906-789-6950
Email: wd8rth@arrl.net

August 7
Iosco County AR Enthusiasts
Tawas City, MI
<http://www.w8icc.org>

Contact: Ray Knuth, KB8ZYY
PO Box 252
Oscoda, MI 48750
Phone: 989-739-2896
Email: kb8zyy@webtv.net

August 14
Cascades ARS
Jackson, MI
<http://www.w8jxn.org/swap.htm>

Contact: Conly George, AB8PW
PO Box 1520
Jackson, MI 49204-1520
Phone: 517-782-4007
Email: ab8pw@arrl.net

August 22
Lapeer County ARA
Lapeer, MI
<http://www.w8lap.com>

Contact: Bill Miller, KD8VP
3605 Pratt Road
Metamora, MI 48455
Phone: 810-797-5329
Email: kd8vp@juno.com

Field Day 2004 was great!

Those of us in attendance had an absolutely fantastic time! For those of you who missed it, too bad, it was a good one. Here's the lowdown for you.

OI Murfey was there right at the git go, but we managed to keep him at bay. Our planned GOTA station accommodations fell through, but we carried on in the field day tradition of doing more with less.

We still set up stations for Phone, CW, VHF, and GOTA. We had things all set up and operational by about 12:30 and had time for a nice hot dog and root beer lunch, courtesy of our friends at the Grand Ledge A&W.

Our class this year was 2A and at 14:00 we began logging QSO's. The CW station started out with 2 watts and solar power for the first 5 contacts so we could earn the natural power bonus points. The bands were absolutely packed!

It never ceases to amaze me how well you can do with QRP and a good antenna. We had our 5 solar QSO's in 10 minutes and soon we were going full bore at about 50 watts, logging contacts as fast as we could write them in the log!

The phone station was also very successful. The VHF station got out to a slow start due to poor propagation but later in the day an E-cloud helped put some 6 meter QSO's into their log. GOTA also got off to a slow start, but when propagation opened up on 15 meters they also managed quite a few QSO's.

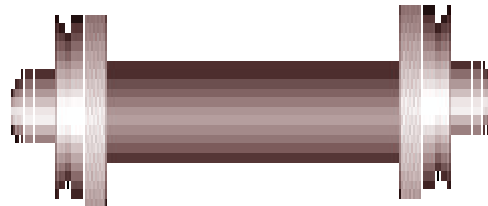
Top it all off with a delicious Pot Luck style dinner. The smell of good food, conversation with good friends, and the sweet sounds of CW in the breeze! It just doesn't get any better than this! Here's how the numbers stacked up.

CW = 367 Q's
Phone = 202 Q's
VHF = 23 Q's
GOTA = 36 Q's

Bonus points
200 for emergency power
100 for W1AW bulletin
100 for message to Sec. Mgr
100 for solar power QSO's
Total points = 2490.

Not to shabby! I'd like to thank everyone who came out to lend a hand. Without your help, we couldn't have had a successful Field Day. Please plan on joining us for next year's FD, won't you? It's ham radio at it's finest!

73 Gregg WB8LZG



CMARC BOARD MEMBER CONTACT INFORMATION

Dennis "Rocky" Beckner	WD8SBO		wd8sbo@att.net	President
John Hosford	KC8QZB	(517) 626-6594	jhosford@netzero.net	Vice President
Dick McGuire	KI8C	(517) 782-1430	dickki8c@juno.com	Secretary
Randy Stortz	K8VY	(517) 393-0634	rstortz386@msn.com	Treasurer
Jane Law	KC8FSK	(517) 974-5671	janelaw@sbcglobal.net	Director
Gregg Mulder	WB8LZG	(517) 646-6257		Director
Kevin Mulder	KC8QZE	(517) 646-6257		Under 22 Director
John Ingraham	NG8L	(517) 484-8027	ng8l@arrl.net	Membership Chair
Donald DeFeyter	KC8CY			Field Checker
Ken Kruger	W8AAX			Field Checker

LCDRA BOARD MEMBER CONTACT INFORMATION

Dan Harger	W8BCI	(517) 882-8784	w8bci@juno.com
"Bruce" Rainey	KC8ODP	(517) 627-9118	kc8odp@arrl.net
Don Rickerd	W8BQD	(517) 339-8496	
Dennis Boone	KB8ZQZ	(517) 337-0857	drb@msu.edu
Troy Creed	W8TCC	(517) 323-6358	w8tcc@arrl.net
Hal Bell	W8LAY	(517) 484-0962	
Scott Newfer	W8SRN	(517) 373-0786	



Presidents' Corner

Well, summer is finally here and it's time to enjoy the outdoors with the family. But don't forget to be prepared for anything that may pop-up on a moments notice. The Boy Scout Motto is "BE PREPARED". Whether it's a summer storm, manmade disaster, or a national emergency, we need to be ready in a moments notice. So enjoy the summer and family as much as you can, but remain ready at all times.

As you go to Hamfests throughout the area, don't forget to talk up our HamFair. Word of mouth is the best form of advertising. We need to support other Hamfests if we expect others to support our HamFair.

I hope everyone had a good time at Field Day and that everything went well. I can only guess what will happen at this time. Remember Field Days of the past and try and avoid some of the pitfalls that were encountered then.

Speaking of the past, this month we lost 3 life members: Marion Stoner, W8VWY; Leo Smith, W8SSK; and Hal Bell, WA8LAY. All were very active in the club and on the radio in the past and all will be missed.

Everyone have a nice 4th of July and we will see you on July 9th at the CMARC meeting.

73's
Rocky K8DRB

LCC Clean Out

Lansing Community College is cleaning out lots of electronic gear from their labs. Now may be a good time to pick up some great bargains on some very nice test equipment such as:

Heath frequency counters	\$10
Heath Cantenna dummy loads	\$10
Heatg AC voltmeters	\$10
B&K Oscopes	\$30

Plus a wide variety of other useful test equipment for the shack, all at very reasonable prices. I

Items are available at the LCC Administration Building on Grand Avenue on the 1st and 3rd Fridays of each month. Now is the time to outfit your test bench cheap!

73s
Gregg Mulder, WB8LZG



Local Nets

ARES/RACES	Mondays (except 3rd Monday) 8:30 pm 146.58 simplex
DTACS	Tuesdays 7:00 pm 146.94

Upcoming Events Requiring Amateur Participation

July 10-11, 2004	MS 150 Bike-a-thon
July 24, 2004	Women on Wheels
Sept. 12, 2004	Run with MSU Girls Hawk Island Park
Sept. 25, 2004	Hospice Walk Riverfront Park

For Sale!

Desktop PC, XP Home, AMD Athalon XP 2100+(1.73 GHz) CPU, 1gb mem, 17 in. monitor (cable a bit touchy about color but ok), CD-RW drive, floppy, 250 Mb Zip Drive, 20 Gb & 60 Gb Hard Drives, 2 serial/1 par/6 USB/1 game/Lan/modem ports, sound card & speakers. \$425 or best offer

30 Gb External USB 1.1 hard drive—\$50.00

7 port powered USB 1.1 Hub—\$20.00

Memory modules (PC100 & PC133):

4—128 Mb SDR DIMMS, \$25.00/ea

3—64 Mb DIMMS, \$15.00/ea

4—16 Mb EDO SIMMS, \$5.00/ea

Toshiba Tecra 500 CDT laptop, 32 Mb mem, 1 Gb HD, 100 MHz Pentium, Win98SE, 1 serial/1par port, 10 Mbps LAN card. Not a gamer, but good for logging, rig control, digital modes, etc. AC only as battery is shot, not worth replacing. Reset button NG. \$25.00

Call Bernie Gaffney, N8PVZ, 517-393-4028
Grid Square EN72rq (Lansing)

**CENTRAL MICHIGAN
AMATEUR RADIO CLUB
TREASURER'S REPORT
June 30, 2004**

Account Balances
As of June 30, 2004

ASSETS:

Cash & Bank Accounts	
Mich. Nat'l Bank Checking	\$ 1,150.04
Mark & Marilyn Humphreys' Fund	\$ 316.00
TOTAL Cash & Bank Accounts	\$ 1,466.04

Other Assets:

Comerica Bank \$1,000.00 CD	\$ 1,532.98
Interest due CMARC	\$ 1.42
Total worth to date	\$ 1,534.40
Act. Rec. Scope Print/Send-LCDRA	\$ 122.37
Act. Rec. Sci-Fair Tables LCDRA	\$ 22.50
TOTAL OTHER ASSETS:	\$ 1,679.27

LIABILITIES:	\$ 0.00
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TOTAL NET WORTH:	\$ 3,145.31
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Income & Expenses
May 26, to June 30, 2004

INCOME:

Dues	\$ 20.00
Directory sales:	\$ 0.00
Received of 50/50 Drawing:	\$ 5.00
TOTAL INCOME:	\$ 25.00

EXPENSES:

Service Charge for March (Banking)	\$ 10.00
Payment for ARRL Bureau	\$ 4.00
TOTAL EXPENSES:	\$ 14.00

TOTAL NET <u>PROFIT</u>/LOSS:	\$ 11.00
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Respectfully Submitted by:
Randall Stortz, K8VY
Treasurer, CMARC

**CENTRAL MICHIGAN AMATEUR
RADIO CLUB
TREASURER'S REPORT
July 26, 2004**

Account Balances
As of July 26, 2004

ASSETS:

Cash & Bank Accounts	
Mich. Nat'l Bank Checking	\$ 1,170.04
Mark & Marilyn Humphreys' Fund	\$ 316.00
TOTAL Cash & Bank Accounts	\$ 1,486.04

Other Assets:

Comerica Bank \$1,000.00 CD	\$ 1,532.98
Interest due CMARC	\$ 1.42
CD Total worth to date	\$ 1,534.40
Act. Rec. Scope Print/Send-LCDRA	\$ 122.37
Act. Rec. Sci-Fair Tables LCDRA	\$ 22.50
TOTAL OTHER ASSETS:	\$ 1,679.27

LIABILITIES:	\$ 0.00
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TOTAL NET WORTH:	\$ 3,165.31
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Income & Expenses
June 30 - July 26, 2004

INCOME:

Dues	\$ 30.00
Directory sales:	\$ 0.00
Received of 50/50 Drawing:	\$ 0.00
TOTAL INCOME:	\$ 30.00

EXPENSES:

Service Charge for March (Banking)	\$ 10.00
TOTAL EXPENSES:	\$ 10.00

TOTAL NET <u>PROFIT</u>/LOSS:	\$ 20.00
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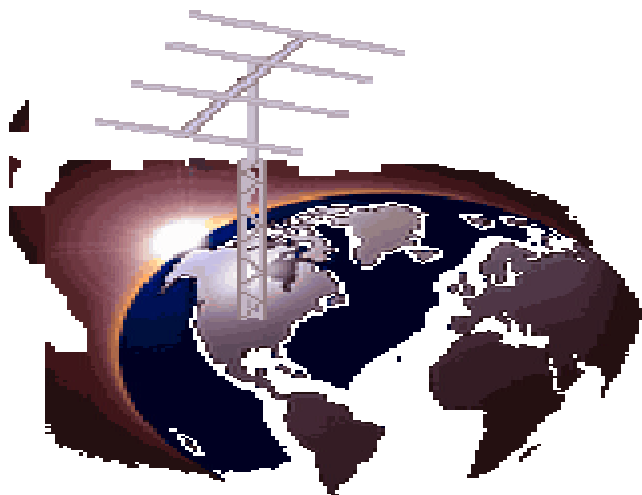
Respectfully Submitted by:
Randall Stortz, K8VY
Treasurer, CMARC

August 2004

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

Special Items of Interest

- * Richard Cole is looking for a housekeeper. Contact him at the next CMARC meeting



Address or Email change?
Please make corrections on address label and mail to:

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

Or email changes to: NG8L@arrl.net

June Schedule of Events

- Aug 2 DTACS Meeting
7:00 pm, Delta Tnshp Fire Sta
- Aug 6 CMARC Meeting
7:30 pm, Red Cross Building
- Aug 7 .39ers meet at Nic's
8:00 am, 3812 S MLK Blvd
- Aug 11 OOTC (Old Old Timers Club), Flap Jack,
1:00 pm, 1601 N Waverly Rd
- Aug 14 .39ers meet at Nic's
8:00 am, 3812 S MLK Blvd
- Aug 16 Lansing ARES/RACES
7:00 pm, ICSD, Mason
- Aug 21 .39ers meet at Nic's
8:00 am, 3812 S MLK Blvd
- Aug 28 .39ers meet at Nic's
8:00 am, 3812 S MLK Blvd
- Aug 28 QWCA, Korner Kitchen
8:00 am, Mt Hope & Pennsylvania

July Birthdays

- July 1 Tyler Whitney, KC8NSB
- July 5 Clint Hannahs, KC8EHR
- July 5 Inez Pearson, KY8V
- July 6 Doug Warner, KC8TIQ
- July 14 William Cote, WD8NYW
- July 14 Charles J. Stahl, N8DWI
- July 18 Kurt Niemeyer, KC8QYV
- July 30 Douglas D. Goodrich, N8ECL
- July 31 Greg Hiscock, WA8DLI

August Birthdays

- Aug 4 David Wenger, K8HD
- Aug 5 James Kenyon, KC8DJH
- Aug 5 Roger Young, KC8GCH
- Aug 7 Ralph Riggs, N8YQJ
- Aug 9 Dan Harger, W8BCI
- Aug 27 Donovan Riley
- Aug 29 Peter W. Lycos, KM8K

August Anniversaries

- Aug 3 Charles Johnson
- Aug 16 Jack Wiswasser
- Aug Donovan Riley
- Aug 20 Inez Pearson
- Aug 27 Doug & Evelyn Sitterson

www.qsl.net/cmarc
80 Years of Service to Our Community!
www.qsl.net/lcdra

Central Michigan Amateur Radio Club

Minutes of the Meeting (June 4, 2004)

The business meeting was brought to order by club president Rocky Beckner (K8DRB) at 7:30 p.m.

Members

20 members were present at the meeting.

Visitors

Dennis Kelly (N8OMT)

Cards and Flowers Report

Hal Bell (WA8LAY) is back in a nursing home and not expected to improve. Hal has already received a get-well card from CMARC.

Another member is ill but would like to delay publication until completion of final tests. The secretary has been asked to delay the get-well card until that time.

Upgrades and New Licenses

None

Old Business

Because of technical problems, there was no secretary's report for April (last regular meeting, because of Ladies' Night in May.)

Treasurer's report was accepted as distributed. Moved by Don Rickerd (W8BQD), seconded and approved.

According to Rocky, Ladies' Night had 36 people this year with good entertainment.

There were no officer reports.

According to Rocky, John Ingraham (NG8L) reported 93 paid members.

Evelyn Sitterson (KC8YMN) was not present, so there was no report on The Scope.

Anybody going to a hamfest should contact Rocky for Hamfair flyers. Hamfair flyers will be distributed at hamfests in Grand Rapids (June 5) and Chelsea (June 6). The next hamfests will be in Midland (June 19), Monroe (June 20), Petosky (July 10), and Bowling Green (July 11). Hamfair will be October 9, and Kalamazoo's hamfest will be the next day. So far neither hamfest has a dealer confirmed, although there is a request from The Wire Man. Rocky is accumulating a file of vendors, including The Wire Man and they will be receiving info from us soon.

Gregg Mulder (WB8LZG) reported on Field Day. Gregg has received and printed the ARRL Field Day packet. Any changes to the rules are minimal and should not affect our effort.

Greg will chair the cw station and his sons will chair the Get-On-the-Air (GOTA) station. He needs somebody to take charge of equipment and personnel for the phone station; Ron Harger (WD8BCS) immediately offered to take the job.

We were still planning on the Camp Kiwanis as a tentative site but might have to yield to another group that had already reserved the same site (Rocky will keep us posted).

A&W in Mason will donate root beer and hot dogs again this year and West Side Deli will donate pizzas the next day. Saturday evening will be a pot luck.

We then passed around a list so that people attending the meeting could coordinate their efforts. To cover those not attending, there will be phone calls. The club will provide hot dogs and hamburgers.

Setup will begin at 8 or 9 o'clock Saturday morning. Operating will start at 2 p.m. Several alternative sites were then discussed and will be investigated. In an effort to prepare for a real emergency, we will use paper logs. The cw station will start on solar power for the required five contacts for the solar power bonus.

Rocky cautioned against leaving young kids unattended because he saw illegal operation result at another site. Generators were discussed and will be available. High-speed cw operators were discussed and should be available, but slower-speed operators will be welcome; contact Greg and arrange a time period. Dx stations are allowed to participate in our Field Day.

The Emergency Coordinator and Website Coordinator were not present to give reports.

John Hosford (KC8QZB) is working on the program for next month.

Unfinished Business

None

New Business

None

Announcements

Rocky Beckner announced the following hamfests:

1. Grand Rapids, MI (June 5)
2. Chelsea, MI (June 6)
3. Midland, MI (June 19)
4. Monroe, MI (June 20)
5. Petosky, MI (July 10)
6. Bowling Green, OH (July 11)
7. Van Wert, OH (July 18)
8. Angola, IN (August 1)
9. Jackson, MI (August 14)

Central Michigan Amateur Radio Club **Minutes of the Meeting (June 4, 2004)**

Rocky then presented a program on antennas.

John Hosford won \$5.00 at the 50/50 drawing.

Meeting adjourned at 8:11 p.m.

Central Michigan Amateur Radio Club **Minutes of the Board Meeting** **June 4, 2004**

The meeting was brought to order by club president Rocky Beckner (K8DRB) at 7:04 p.m.

The following board members were present for the meeting:

Rocky Beckner (K8DRB) - President
John Hosford (KC8QZB) - Vice President
Dick McGuire (K18C) - Secretary
Jane Law (KC8FSK) - Director
Gregg Mulder (WB8LZG) - Director

Representing under 25 was Jordan Mulder (KC8QYO, brother of Kevin Mulder).

Rocky Beckner (K8DRB) announced that Gregg Mulder (WB8LZG) was the latest winner of the Ziegenbein award; Gregg blushed appropriately. Rocky continued with positive comments about the Ziegenbein Committee and the best Ladies' Night he could recall. The attendance (37 people) seemed to be an improvement. The musical entertainment seemed to be well received.

Rocky mentioned a potential problem concerning Field Day. Camp Kiwanis apparently had two reservation lists, and the other (older) list promised the site to another group. Rocky was hoping the other group will share the site with us. He expected to have his answer Tuesday. Because of the possible conflict, several alternative sites were discussed. In the meantime, we must learn who will attend and what equipment will be available. The board agreed with Gregg Mulder that we should set up Saturday morning and operate 24 hours starting at 2 p.m.

The next main topic was HamFair. Rocky reported that he has handed out about 2,000 flyers so far - 500 in Marshall and 1200 to 1500 at Dayton. He has since printed 1200 or so for hamfests in Chelsea and Grand Rapids. John Hosford (KC8QZB) and Roger Barnhill (AB8RX) will distribute flyers at Grand Rapids. Gregg Mulder (WB8LZG) will distribute at Chelsea. Midland Hamfest will be June 19. Our hamfest and the one in Kalamazoo will promote each other.

Meeting was adjourned at 7:17.

Take A Long Look At These Hangups

What do you do with all those long, thin items you need to store — like pipes, light lumber, or molding? Consider this inexpensive solution. Buy lengths of vinyl or aluminum gutters and attach them to garage, shed, or workshop wall studs. Then simply lay your items inside. You can even mount several lengths of gutter at different heights for maximum storage.

CMARC General Meeting July 9, 2004

The business meeting was brought to order by club vice president John Hosford (KC8QZB) at 7:39 pm.

Members

16 members were present at the meeting.

Visitors

Mary Tillitson (wife of Don Tillitson)
DeAnna Barnhill
Gloria Cote

Upgrades and New Licenses

None

Membership Report

John Ingraham (NG8L) indicated 93 paid members and 115 unpaid members. He also indicated that he would leave the unpaid members in the database in case they renew so he would not have to reenter the information.

Field Day Report

Greg Mulder (WB8LZG) thanked everyone that participated and/or helped out. He also thanked the ladies for the good food. He reported that 500 bonus points were earned this year:

- * 200 for emergency power
- * 100 for our message to the section manager
- * 100 for our solar power qso's
- * 100 for copying the W1AW bulliten courtesy of Don Devendorf

CW Station

367 qso's
236 qso's/40 meters
131 qso's - 20 meters

Phone Station

202 qso's
38 qso's/80 meters
80 qso's - 40 meters
84 qso's on 20 meters

6Meter Vhf Station

23 qso's

GOTA Station

36 qso's
16 qso's on 40 meters
20 qso's on 15 meters

Total qso's 629

Total Points 2490

About 14 or 15 operators were listed in the logs.

Gregg (WB8LZG) was asked if transmitters, soldering iron,... everything had to be run on emergency power. Gregg (WB8LZG) said the rules state that only the transmitter that produces a signal needs to be on emergency power if the emergency power bonus is to be claimed. He also said that we pretty much tried to uphold the spirit of the rules in that the tent and the trailer had emergency power run to them and ran all the equipment and ran the lights in both stations off of emergency power.

Gregg (WB8LZG) asked for observations...

Roger Barnhill indicated the he would like to see those who were not licensed to be restricted to the GOTA station. Greg indicated that he would have to agree with that even though the rules stipulate the an unlicensed operator can operate any of the stations as long as there is a control operator at that station, the purpose of the GOTA station is for that. Also that they may look at that in the future.

Gregg (WB8LZG) said that he was disappointed that some of the slow speed operators did not want to get into the operators position. He would like to see more slower speed operators sitting down and getting more experience rather than just watching.

Unfinished Business

none

New Business

Don Tillitson indicated he still needs two more operators for Saturday, July 17 and Sunday, July 18 for the MS150 Bike-a-thon.

Bruce Rainey (KC8ODP) passed around a few pictures of a bomb threat that the bomb squad was called out for and that the robot worked properly on the device. He also indicated that during a Red Cross set that the radio room down stairs has not been activated.

Bruce (KC8ODP) passed around a leaflet for a possible fundraiser.

November 4 is a set for Lansing

November 24 is a set for the Red Cross

Don Tillitson (WB8NUS) indicated that the fire inspection for the Red Cross is coming up again in September and that every year he hears about the radio room in the basement, that it was not set up as a club room, that it is really an emergency operations center.

Not being able to operate packet in the radio room was mentioned. That we talk about getting money and yet we don't do anything with the equipment. That this is getting to be a do nothing club.

Don Cote (KD8BD) volunteered to operate sweeps but he would need help. Gregg Mulder (WB8LZG) passed around a sign up sheet for sweeps operators

CMARC General Meeting July 9, 2004

at the club radio room and that he would be willing to chair a group to operate sweeps for both phone and cw but needs more than one volunteer.

Don Cote (KD8BD) mentioned that the coax should be checked out before a contest instead of finding out there is a problem during an event.

Don Tillitson (WB8NUS) reminded the group that Ron Harger (WD8BCS) has already checked out all of the coax's and that a 2 meter coax has a problem.

Gregg Mulder (WB8LZG) said that all of the hf stuff works because he was down there a couple months ago.

John Hosford (KC8QZB) mentioned the upcoming Hamfests:

July 10	Petosky, MI
July 11	Bowling Green, Ohio
July 18	Van Wert, Ohio
August 1	Angola, Indiana
August 14	Jackson, MI

Silent keys in recent weeks:

Harold Bell, WA8LAY
Leo Smith, W8SSK
Marion Stoner, W8VWY

Bruce (KC8ODP) announced that he became a great grandfather on April 9. He also mentioned he tries to keep the envelope that the card came in for proof that it was mailed.

Don Tillitson (WB8NUS) passed around a more recent list of silent keys.

John Hosford (KC8QZB) mentioned the Antique Radio show at the Holiday Inn South on the north side of the building. on July 9 and 10, 2004

There was a motion to adjourn the meeting by Dan Harger (W8BCI) seconded by Randy Stortz (K8VY). Motion was approved.

Meeting adjourned at 8:43 pm.



CMARC Board Meeting Minutes July 9, 2004

The meeting was brought to order by club vice president John Hosford (KC8QZB) at 7:12PM

Board Members present were:

John Hosford (KC8QZB) - Vice President
Randy Stortz (K8VY) - Treasurer
Gregg Mulder (WB8LZG) - Director
Jane Law (KC8FSK) - Director

Gregg Mulder (WB8LZG) indicated that he and his son have looked at the club generator at great length. Gregg indicated that eventually he could get it started then it would run until it was shut off but could not be started right back up. He indicated that he is out of ideas. Randy Stortz (K8VY) indicated he is willing to look at the generator.

Gregg Mulder (WB8LZG) said that the antique radio show will be at the Holiday Inn South on July 9 and 10. He also said he has a field day report for the meeting also we need to mention the upcoming Hamfests.

Randy Stortz (K8VY) said he does not have a treasurers report tonight.

John Hosford (KC8QZB) indicated that he would be on vacation the week of the next meeting.

Board meeting was adjourned at 7:25 pm.

Storing Off-Season Clothes?

*Create your own dust covers for free!
Instead of throwing out old pillowcases,
make a small slit in the center of the seam
opposite the opening and slip it over a
hanger. No more dust on your winter suits
or summer blouses. If you close up the
opening by adding a fabric fastener, like
Velcro or a zipper, you can use it to store
out-of-season blankets.*

Remember America's Heroes



Central Michigan Amateur Radio Club
Lansing Civil Defense Repeater Association
P O BOX 27321
LANSING MI 48909



CMARC— Full membership: \$10 per year.
Associate membership: \$5 per year.

Please make check or money order payable to CMARC and mail to: John Ingraham/NG8L, Membership Chairman, 2807 Greenbriar Avenue, Lansing MI 48912.

Name: _____ Call: _____

Address: _____

City: _____ State _____ Zip _____

Phone: () _____ License Class: _____

ARRL Member? ☐ Yes ☐ No

Email SCOPE? ☐ Yes ☐ No

Email Address: _____

Birthday: _____

Wedding Anniversary: _____

As a licensed Amateur, you can sign up today as a FULL member of CMARC. You will have voting rights as well as an annual subscription to the SCOPE. As an ASSOCIATE, you have an annual subscription to the SCOPE, but no voting rights.

LCDRA— Membership: \$15 per year (January to January)
Additional family members: \$7.50 per person

Send check or money order payable to:
L.C.D.R.A., PO Box 80106, Lansing MI 48908

Name: _____ Call: _____

Address: _____

City: _____ State _____ Zip _____

Phone: () _____ License Class: _____

ARRL Member? ☐ Yes ☐ No

Email SCOPE? ☐ Yes ☐ No

Email Address: _____

Birthday: _____ Anniversary: _____

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

HAMFEST 2003

☐ Swap/Trunk Sales \$4.00
☐ Table \$8.00

Send payment along with this form to the address above.