



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

The Scope

Jan 2004



The Magic of Radio

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Growing up in the 60's was a wonderful time to be a kid. An army "brat" in Fort Benning, Georgia, all of my friends were also army kids. We spent our weekends and summers taking all day hikes into the woods and hills in the surrounding area. We would walk for miles and never worry about what to eat or when to come home. We were the "Kings of the woods".

Our gang was 4 or 5 kids, and when we ventured out to the woods, we were in our element and feared nothing or anyone. We would fish, hunt snakes and frogs and live like the Indians did. During several of our excursions into the woods we would pass by an old auto junk yard, and on our way back home we would stop there to scrounge for "treasure" in and amongst the old cars.

I had an interest in electricity so naturally many of the lights, wiring, and old car radios were "liberated" from their rusty graveyards. I'd take these things home and perform all kinds of fantastic experiments with the loot, building electro-magnets and hooking up auto lamps for lights in my room.

Needless to say, my mother was not very thrilled with much of the junk that we brought home, but she didn't object too much. (I think she knew we were learning things, and besides, it kept us out of trouble.)

One evening while riding my bicycle around the neighborhood, I heard the strange sounds of 'Morse code' and

"Donald Duck" noises coming from a little shack out behind one of the houses and decided to investigate the source. (Many hams of that era actually had their stations in a shack separate from the house so as not to disturb the XYL and other family members.)

I poked my head around the door and got an eye full of radios and wires! The ham's name was Ben and he was running phone patches from Viet-Nam to some of the wives back here in the States. Neat, I thought, as my own dad was currently serving a tour of duty near Pleiku, and the only way we had to correspondence with him was by letter. (No cell phones or internet back in those days!)

Ben's shack was too small to get anyone else in there, but he didn't mind my watching from the doorway. I don't remember very much about Ben, but his radio equipment sure impressed me, and all too soon I had to go home to bed. I did not get to Ben's shack too many more times because most of my time was spent playing with my buddies, but I'll always (cont'd on page 10)



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) 622-2723	janelaw@sbcglobal.net	Director
Gregg Mulder	WB8LZG	(517) 646-6257		
Kevin Mulder	KC8QZE	(517) 646-6257		
John Ingraham	NG8L	(517) 484-8027	ng8l@arrl.net	Under 22 Director Membership Chair

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	



MICHIGAN STATE
UNIVERSITY

The Gerald and Lois Park Amateur Radio Endowed Scholarship Fund

The Michigan State University College of Engineering is pleased to announce **The Gerald and Lois Park Amateur Radio Endowed Scholarship Fund** for engineering students active in the MSU Amateur Radio Club (W8SH/W8MSU). The current value of the scholarship is about \$4,000 per year.

This scholarship is provided from an endowment established by Professor Emeritus Gerald Park (W8QS), a dedicated Amateur Radio operator, who served for many years as the faculty advisor for the MSU Amateur Radio Club.

To learn more about the Michigan State University College of Engineering, please see <http://www.egr.msu.edu/egr/>

To learn more about the Michigan State Amateur Radio Club, please see <http://msuarc.egr.msu.edu/>

For questions and scholarship application information, please see <http://www.egr.msu.edu/egr/programs/bachelors/parkscholarship.php>

Presidents' Page

Former CMARC President

AS THE GUARD CHANGES

It has been a distinct pleasure to have been selected to serve as a CMARC Director and as your President. There are so many others I believe would be qualified to have filled these roles but I am pleased to have both served and learned these past two years.

I encourage each of you who have been around for a while to mentor (elmer) new hams into our community. As you encourage them to study and obtain their ticket, please do not abandon them to a hobby that can at times be difficult and costly. If you have old out-dated or unused equipment, give it to these

new hams or offer it to them at a reasonable price to help them get started. Encourage them to find their niche in the hobby. Above all, get them involved.

We have a great group of folks in our club but there is a much larger community of hams out there that are inactive in one way or another. I encourage each of you to try to locate and contact one of these hams either from one of the online or CD databases or someone that you already know. Try to get them involved by inviting them to a meeting or offering to help them get back on the air.

There are so many reasons to be involved today. Our spectrum is in constant danger from commercial encroachment and special interests. We also seem to forget the primary purpose for the existence of our hobby. We are the nation's

Current CMARC President

My name is Dennis Beckner but everyone calls me Rocky. My call sign is K8DRB and I was first licensed as WD8SBO in March 1977.

I had two very good elmers W8QN Bob Wright, and K8YRD, Dale Moore. I have been active in Ham Radio since then with CMARC, LCDRA, LCCARC, Skywarn and ARES.

In 1986 I moved to East Tennessee where I became active in the Sevier County ARC (Ten-Tec Club). Then in 1990 the Lakeway ARC became active again and I joined it. The NWS came to the club and asked for help in their Skywarn Program and I became their Skywarn Coordinator for nine years.

Now I'm back in the Lansing area and looking forward to seeing my old friends and making many new ones.

I have studied gemology in the past and Ham Radio reminds me of a gemstone. In the rough, there are many rough edges but as you work with it and it begins to take shape, it's brilliance begins to show. The longer you work with it the more facets take shape until you have a highly polished brilliant piece.

Well Ham Radio is like a faceted stone with many facets. Without all of the different facets, the stone would be incomplete as would Ham Radio. We need all the different facets of the hobby to make it complete. We need the VHF/UHF FM'ers, the CW rag chewers, the DX chasers (cont'd

LCDRA President

Christmas and Holiday Greetings!
The Year 2003

Happy Holidays to all! Just a little note about the year that has passed from the position of the Civil Defense Repeater Association president.

If you are new to our fraternity, the ham fraternity or group, you may not know that the repeaters on 145.39, 146.70, 146.94 and 224.98 are not owned and operated by CMARC, but are owned and operated by LCDRA.

LCDRA was created years ago by Jim Holcomb, WA8KZY, who was the Civil Defense director back then; now called Emergency Operations of the City of Lansing, Michigan. Jim was a forward looking and acting person who was not always loved by everyone, but a person who accomplished a lot in his lifetime, especially when it came to the amateurs in the Lansing area. And especially when it came to weather spotting and emergency vehicles for communications and functions the hams are involved in! We can be grateful for the time, effort, and help Jim gave us years ago! Our thanks to Jim, WA8KZY!

Using the repeaters owned and operated by LCDRA does not require that you be a member of LCDRA, which is \$15.00 a year per person, but if you have a regular job and can support us, this helps us maintain and improve our repeater systems that you use regularly! Think how it would be if these repeaters were not there for you to use! Those of us who are old-timers know what it is like to have only simplex and for most of our years, we had to live with AM (Amplitude Modulation) not FM (Frequency Modulation)!

Hamfests for January

January 3

Amateur Radio Group of Youth in Lowell
Lowell, MI

Contact: Al Eckman, WW8WW
11700 Vergennes
Lowell, MI 49331
Phone: 616-897-4125
Email: AEckman@lowell.k12.mi.us

January 17

Amateur Radio and Youth Club
Flushing, MI

<http://www.arayclub.org>

Contact: Clayton Hewitt, KF8UI
1109 Ossington Avenue
Flint, MI 48507
Phone: 810-233-7889
Email: kf8ui@arrl.net

January 18

Hazel Park ARC

<http://www.qsl.net/w8hp>

Hazel Park, MI

Contact: Jeff Albrecht, N8WR
PO Box 368
Hazel Park, MI 48030-0368
Phone: 248-642-3608
Email: n8wr@arrl.net

Upcoming Events

For

Amateur Participation

April 3, 2004	Skywarn Class 10:00 am—4:00 pm LCC Old Central Auditorium
April 24, 2004	WalkAmerica March of Dimes
May 1, 2004	Help Save Lives LCC
May 2, 2004	MS Walk
July 10-11, 2004	MS 150 Bike-a-thon
July 17, 2004	Women on Wheels

Local Nets

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

For Sale or Not!

Free: TVRO Mesh Dish and 2
receivers.
Contact Scott Rowe,
KB8HTM,
Bath, MI, at 517-641-6201

Interested in Amateur Radio? *Beginner's Licensing Class*

Sponsored by the MSU Amateur Radio Club and the Central Michigan Amateur Radio Club

Amateur radio is a friendly, high-tech hobby that's got something fun for everyone! Anyone can become an Amateur Radio operator.

Hams communicate with each other using voice, computers, or Morse code across town and across the world. Some hams use satellites. Many use hand-held radios that fit in their pockets. Hams exchange pictures using television. Some also like to build their own radios and antennas.

Using even the simplest of radio setups and antennas, amateurs communicate with each other for fun, during emergencies, and even in contests. They handle messages for police and other public service organizations during all kinds of emergencies.



Learn basic electronics theory, FCC regulations, and operating practices: knowledge required to pass the FCC Technician Class amateur radio license exam. Morse code will also be offered for those interested. While Morse code is not required to earn a Technician Class license, passing the 5 word-per-minute Morse code exam along with the written exam gives a Technician Class license with additional operating privileges

Dates: Saturdays—January 17 through February 21, 2004 (six sessions)

Time: Exam theory class: 10:00-11:30
Morse code class: 11:30-12:30

Location: Michigan State University, Engineering Building, Room 1145. See map on page 6 for parking information.

Cost: Class is free. Textbook purchase is required.

Textbook: *Now You're Talking*, 5th ed., ARRL, Newington, CT. Costs \$20 in local stores or from amazon.com, \$15 if ordered from the teaching team. Payment is required at time of order and must be received by January 3, 2004. Mail deposit to Dennis Boone, MATRIX/Michigan State University, 310 Auditorium Bldg., East Lansing, MI 48824

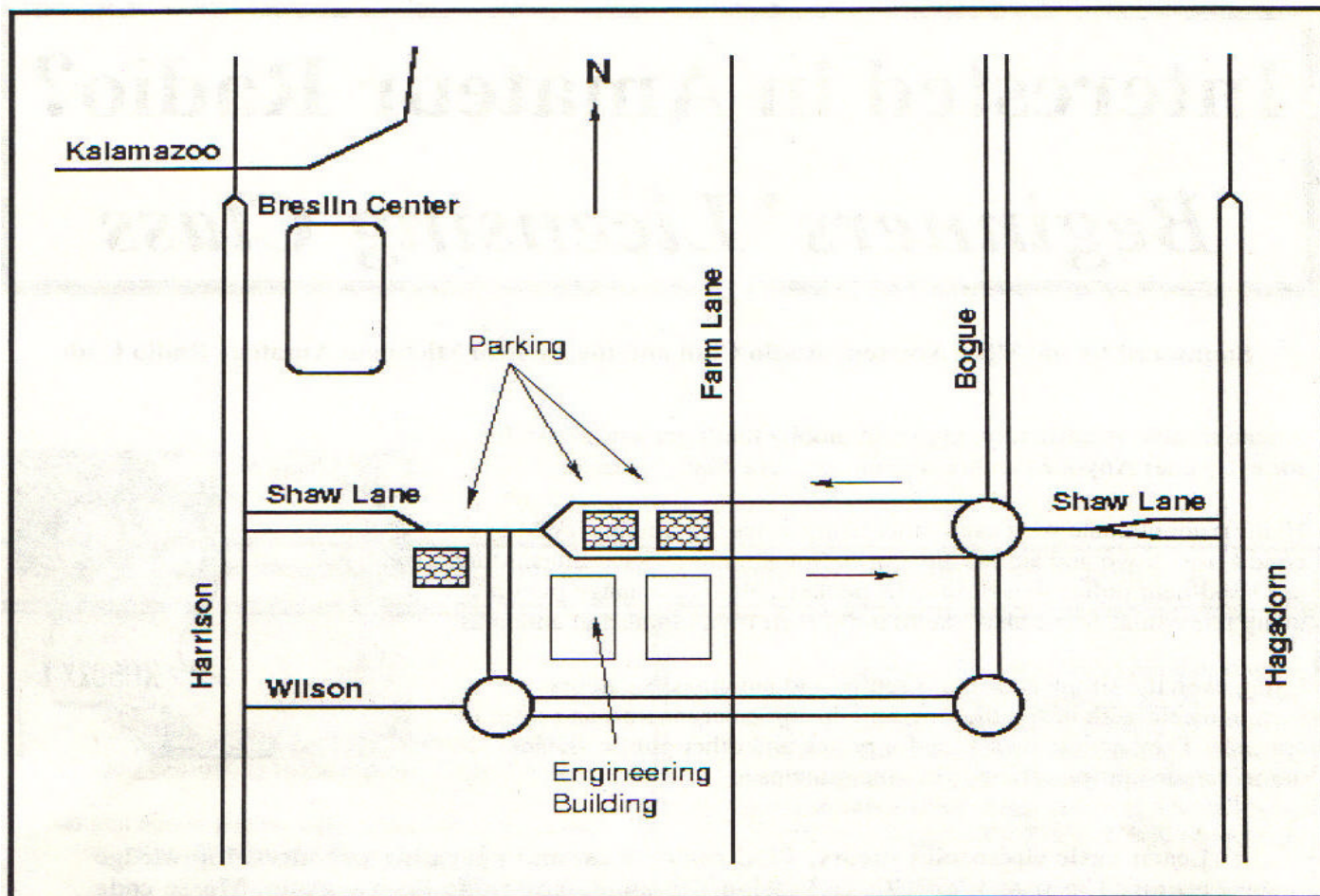
Registration:

Please reserve your place in the class by January 10, 2004 to allow the teaching team sufficient time to obtain materials and reserve classroom space.

You can register by either of the following methods:

1. Filling out the registration form on the class web page at <http://msuarc.egr.msu.edu/class/>
2. Sending email to class@msuarc.egr.msu.edu, including your name, address and phone number.
3. Calling Gregg Mulder at (517) 646-6257 or Michael Shanblatt at (517) 332-0489

For more information visit the class web page at <http://msuarc.egr.msu.edu/class/>



The Engineering Building is located on the MSU campus between Shaw Lane and Wilson Road directly across from the International Center. Parking is available in the lot indicated to the north of the Engineering Building. Enter the parking lot from the eastbound side of Shaw Lane.

From the Editor:

Well, I hope that everyone had a wonderful holiday season!! Ours was very nice and very quiet!

I want to thank all the members who contributed to this issue of the SCOPE. It was real nice to receive so many articles that I actually had to put a couple back for next month!! Keep 'em coming!!

Next month, the SCOPE will highlight our board members, both old and new.

Happy New Year to All!!

Evelyn Sitterson, KC8YMN

Central Michigan Amateur Radio Club

Minutes of the Board Meeting

December 5, 2003

The meeting was brought to order by club president Bruce Rainey (KC8ODP) at 7:07 p.m.

The following board members were present for the meeting:

Bruce Rainey (KC8ODP) - President
 Randy Stortz (K8VY) - Treasurer
 Dick McGuire (K18C) - Secretary
 Kevin Mulder (KC8QZE) - Under 22 Director

Also attending was Don Tillitson (WB8NUS).

Bruce and Randy discussed Randy's annual report.

Don Tillitson had been asked to provide a list of activities. Dates (mostly tentative) are as follows:

- Walk America (March of Dimes) - April 24, 2004
- MS Walk - May 2, 2004
- MS 150 Bike-a-thon - July 10 & 11, 2004
- Women on Wheels - July 17, 2004
- Help-Save-a-Life Day - May 1, 2004 (confirmed)
- Skywarn Program - April 3, 2004, 10 a.m. to 4 p.m. at the old Central Auditorium

Evelyn Sitterson will receive the above dates. Bruce will also give the new president a list of key dates, such as Field Day.

There have been no reported marriages, deaths, or anniversaries.

Randy Stortz will print and send letters acknowledging contributions to the Humphreys Fund. The Club may also donate the traditional dues for Mark and Marilyn. The board may also want to consider a small increase in dues, or contributions from life members. Russ Fitzgerald, Fund Chairman, has approved the \$80 for training tapes; Mike Shanblatt will need to receive the check.

Members will fail to receive The Scope, effective the first month they haven't paid their dues.

Meeting was adjourned at 7:22.

Time To Upgrade

I was leisurely cruising the CW portion on 40 meters the other night when I ran across quite a commotion on the lower end of the band.

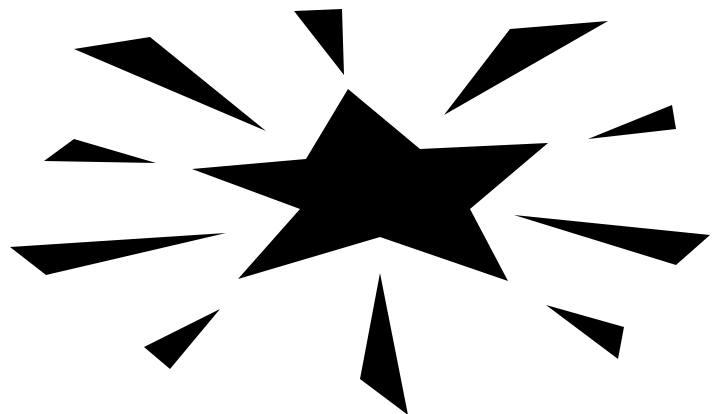
Closer investigation revealed a station from England on a DX-pedition operating from the Galapagos Islands, signing G4IUF/HC8. The op was working them 2 or 3 QSO'S per minute and going at a good pace.

I had previously "worked" the Galapagos a few years ago with high power (100 watts). So I figured I'd give him a try with QRP. I fired up my Ten Tec Argonaut with 5 watts and waited for an opening. I fired out my call at about 25 wpm trying to match his speed, but with no luck. I tried for about another 20 minutes but couldn't bust the pile-up. Had I really needed the contact, I'd have fired up the big rig to try and work him, but as it was I just sat and listened for a while.

While listening to stations from around the world contacting him, I thought about all those no-coders out there who were missing out on all the fun. Are you one of those no code techs? We are having another license class in January and now would be a good time for all of you no-coders to upgrade.

Class starts January 17th in the Engineering building on the MSU campus. Don't let the code be a hurdle to you anymore! Come join us and upgrade now. The class is free, so what do you have to lose? No more excuses! UPGRADE NOW! For more info contact Gregg Mulder at (517) 646-6257 or Michael Shanblatt at (517) 332-0489, or register online at <http://msuarc.egr.msu.edu>. Please include your name, address, and phone number.

73's Gregg WB8LZG



Former CMARC President

failsafe (cont'd on page 8)
(cont'd from page 3)

communications arm. Any of us who have been involved with actual disasters or emergency actions knows full well the limitations of the commercial communication facilities upon which our public service agencies depend.

I entreat each of you reading this message to truly search your heart and ask yourself if you are just enjoying the hobby and not paying your dues by being adequately prepared to serve in an emergency or disaster situation. Being available and volunteering is simply not enough. You must train and understand how amateurs fit with served agencies. Each jurisdiction may have a different role for us to play and it is important we know just what role we are to play, which jurisdiction we most likely will serve and then, be prepared to fulfill that responsibility. When we are called upon to respond, poorly trained operators can actually do more harm than good and leave our hobby discredited.

Finally, I am asking that everyone support the new Board by attending meetings, offering suggestions, getting involved, volunteering, enlisting new members and supporting the hobby in any way you can. Remember, your Board can only be as good as those of us whom they serve. They cannot do the work of our Club alone. They need your help.

CMARC President

on page 8)(cont'd from page 3)

and the builders. We need the computer experimenters, traffic handlers, packet operators and EME chasers, SWL'ers, the technically minded and the casual weekend contest operator. These are just a few of the many facets of Ham Radio, but without all the piece the facets don't fit and the hobby is lesser for it.

I hope the Holidays have been merry for all and I am looking forward to seeing everyone at the January 9th meeting.

73s
Rocky

LCDRA President

As President of LCDRA, I wish to thank all of you who have supported us for year after year and since I was the chairman of our ham swap, I want to thank you for your help for this event as well. I have heard various things, some very negative about how it went, but since we did make a profit, though it was small, we did enjoy a good social time. A lot of hams bought NEW equipment at a good price and the crowning outcome was several folks PASSED their license tests, one was our esteemed editor, Evelyn Sitterson, KC8YMN! CONGRATULATIONS EVELYN!

So thanks to all the members and non-members, both LCDRA and CMARC, for a great year! Here's wishing you a Happy and Prosperous New Year in 2004!!

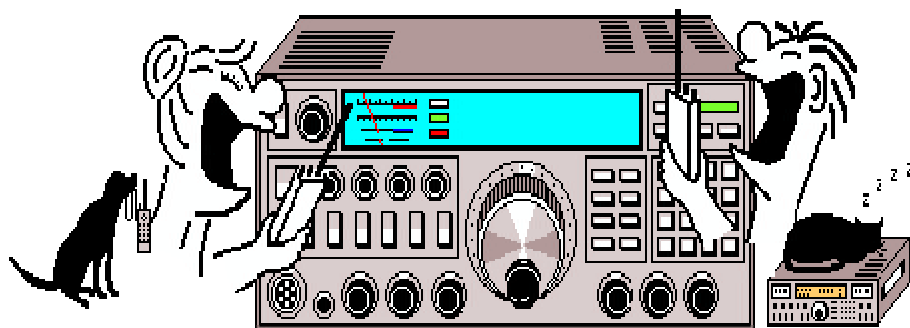
Dan Harger
W8BCI

January 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



January Schedule of Events

- Jan 3 .39ers meet at Nic's
3812 S MLK Blvd
8:00 am
- Jan 5 DTACS Meeting
7:00 p.m., Delta Township
Fire Station
- Jan 9 CMARC Meeting
7:30 p.m., Red Cross
Building, Lansing
- Jan 10 .39ers meet at Nic's
3812 S MLK Blvd
8:00 am
- Jan 14 OOTC (Old Old Timers
Club), Flap Jack,
1601 N Waverly Rd
1:00 pm
- Jan 17 .39ers meet at Nic's
3812 S MLK Blvd
8:00 am
- Jan 19 Lansing ARES/RACES
ICSD, Mason
7:00 pm
- Jan 24 .39ers meet at Nic's
3812 S MLK Blvd
8:00 am
- Jan 31 QWCA, Korner Kitchen
Mt Hope & Pennsylvania
8:00 am

January Birthdays

- Jan 12 Tom Cain, KB8ZL
- Jan 18 Doug Sitterson, KC8UUF
- Jan 23 John Ingraham, NG8L
- Jan 26 David Humphreys, N8WTH
- Jan 28 J. Rod Schultz, KC8ODO

January Anniversaries

- Jan 8 Merton Thurston
- Jan 11 Ralph Riggs
- Jan 15 Kenneth Norton

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

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

The Magic of Radio

(cont'd from page 1)

remember that "shack" full of wires and gear. Very Cool to a sixth grade kid!

Time went on and I continued with my electrical experimentation. Christmas time was just around the corner and I had asked for some electric stuff, not knowing quite what I'd be getting.

As it turned out, Christmas time 1965 was the best one of my entire life. I awoke early on Christmas Eve morning to the sound of my Dad's voice! He was home safe and sound! I jumped out of bed like a rabbit and ran to Bear Hug him! Our family was together again! What a wonderful Christmas this would be! I was so happy I could have gotten a lump of coal in my stocking, and would still have been overjoyed! Yes miracles do happen!

That Christmas was the greatest. Not only did I get my dad back, but I also got quite a bit of loot under the tree! My brother, sisters and I tore into those presents with glee. The present I'd asked for was there too! A Remco Radio Lab, complete with crystal set, code sender and mic for broadcasting through a nearby AM radio. The next few days I was building and performing all of the experiments in the little kit, and I would listen to the local radio shows on that crystal set in bed, falling asleep with the headphones still on. I didn't have to worry about turning it off. There were no batteries! It was just like magic!

The magic of radio.

Here's hoping you and yours have a wonderful Christmas.

73's Gregg WB8LZG

CENTRAL MICHIGAN AMATEUR RADIO CLUB

TREASURER'S REPORT

December 31, 2003

Account Balances
As of December 31, 2003

ASSETS:

Cash & Bank Accounts

Mich. Nat'l Bank Checking	\$ 1,325.90
Mark & Marilyn Humphreys' Fund	\$ 465.00
TOTAL Cash & Bank Accounts	\$ 1,790.90

Other Assets:

Comerica Bank \$1,000.00 CD	\$ 1,515.22
Interest due CMARC	\$ 2.55
CD Total worth to date	\$ 1,517.77
Act. Rec. Scope Prnt/Send-LCDRA	\$ 3.38

TOTAL ASSETS: \$ 1,521.15

LIABILITIES: \$ 0.00

TOTAL NET WORTH: \$ 3,312.05

Income & Expenses
November 28 to December 31, 2003

INCOME:

Dues	\$ 190.00
Directory sales:	\$ 0.00
50/50 Drawing proceeds collected	\$ 24.50
Received: Scope Prnt/Send-LCDRA	\$ 175.00
Received: Memberships LCDRA	\$ 40.00
Received: CMARC Share/Hamfair	\$ 92.00
Fazoli's Fund raiser program	\$ 75.00
Mark & Marilyn Humphreys' Fund	\$ 20.00

TOTAL INCOME: \$ 616.50

EXPENSES:

Scope Cost for printing & mailing	\$ 00.00
Charge back fee for N. S. F. Check	\$ 5.00
Charge back to acct. above check	\$ 10.00
Bank Checking, Service Charge	\$ 10.00
TOTAL EXPENSES:	\$ 25.00

TOTAL NET PROFIT: \$ 591.50

Respectfully Submitted by:
Randall Stortz, K8VY
Treasurer

Central Michigan Amateur Radio Club

Minutes of the Meeting

(December 5, 2003)

The business meeting was brought to order by club president Bruce Rainey (KC8ODP) at 7:32 p.m.

Members

29 members were present at the meeting.

Visitors

Mary Tillitson
Joan V. Mann
Travis McColgan
Brent Hannahs
Melissa Brenner (KC8DTO)
Abe Kimball (W8ABE)
Nicholas Clark (KC8UAL)
Michael J. Hamilton (KC8KZN)
Jon Mire (KC8YFM)

Upgrades and New Licenses

Evelyn Sitterson (KC8YMN) was recognized for her new license.

Old Business

Published minutes were accepted with two small corrections. (Don Hosford should be John Hosford, and Robert Mann's call should be WD8OEV.)

Treasurer's report was accepted with updates by Bruce Rainey on the various fund raisers.

There were no officer or director reports.

John Ingraham (NG8L) reported 127 paid and 102 unpaid members out of 205. (Nineteen are life members.) Some members are close to be eligible for life membership (65 years of age and 10 continuous years of paid membership.) John encouraged these people to make sure the 10-year string isn't broken.

Doug Sitterson (KC8UUF) and Doug Warner (KC8TIQ) will update websites with new information.

Evelyn Sitterson (KC8YMN) had copies of The Scope for those who get theirs by mail. (E-mail distribution had been accomplished.) Bruce Rainey (KC8ODP) encouraged members to sign up for e-mail distribution, because of the advantage in speed. Evelyn then gave a positive report on their trip to Holland, Michigan, even though the awards weren't ready.

There were no new cards or flowers. Bruce welcomed returning members who had been ill.

Bruce encouraged ARRL non-members to join through the club, which would then receive \$15.

Bruce reminded us of our past decision to send an annual donation to qsl.net in return for the free website page.

Don Tillitson (WB8NUS) recommended keeping club CD money where it is, because there is no predictably better place. Any place with much of an interest rate requires a commitment of at least 48 months.

Announcements

Dick McGuire (K18C) read a letter from Roberta Peterson, Dean of Human, Health & Public Service Careers Division at Lansing Community College. The letter announced the second annual "Save a Life Day" on May 1, 2004 at the LCC downtown campus. The club agreed to sponsor it again. Moved by Don Cote (KD8BD) and seconded by Evelyn Sitterson (KC8YMN). Approved.

Dick McGuire announced Skywarn Recognition Day, which involved amateur operation from various weather stations until 7 p.m. local time the next day.

New Business

Bruce announced nominations for the new board. After some discussion, we determined the need for three 2-year positions and one 1-year position.

John Hosford (KC8USB), Jane Law (KC8FSK), and Rocky Buckner (K8DRB) were nominated for 2-year terms. Since the number of candidates was equal to the number of positions, they were elected unanimously.

Brice Rainey announced his first 6-meter QSL.

Randy Stortz won \$24.50 at the 50/50 drawing.

The new board then met in another room and returned to announce the following results:

1. President - Rocky Buckner (K8DRB)
2. Vice President - John Hosford (KC8FSK)
3. Secretary - Dick McGuire (K18C)
4. Treasurer - Randy Stortz (K8VY)
5. Director - Jane Law (KC8FSK)
6. Director - Gregg Mulder (WB8LZG)
7. Under 22 Director - Kevin Mulder (KC8QZE)

Meeting then faded into apparent adjournment.

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.