



Central Michigan Amateur Radio Club

THE SCOPE



Lansing Civil Defense Repeater Association

centralmiarc.com

Serving Our Community Since 1921

lcdra.com

Our first class offerings at CMAC have concluded!

All the hard work building our own antennas came to fruition as the final meeting took place at MSU, where we got to use a Network Analyzer to measure the antennas, feedpoint impedance, SWR, and frequency bandwidth. Gregg also let us use the "Anechoic" chamber to see what kind of directional radiation patterns the antennas exhibited.

Thanks and congratulations to Gregg Mulder (WB8LZG) for running such an informative and fun first session!



September 14th's first CW Class!

For those who missed out, don't worry! CMARC's next class offering has just begun! If you are interested in learning, CW please contact Tom (WA8WPI) for more information on his classes on learning Morse Code.

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****LCDRA Field Day – October 2nd – See page 11!****

September 2010

What's My Sign?

By: Julie McLain KB8ZXR

I was born on June 14, 1980 in Lansing, Michigan and have only one sibling, my sister Sarah, who is three years older than me. At that time my Mom was working at Miller's Ice cream store in Okemos. My Dad was working in the bakery at the Schmidt's food store in Okemos, before that grocery store chain went out of business in the early 90's. "Playmakers" now stands in its place.

I grew up in Mason, spending most of my days and nights with my maternal Grandmother and Great-grand father. They were like Mom and Dad to me. I didn't graduate from High School because I grew restless with being 'talked at' and the lack of caring by some of the 'teachers' there at the time. So, I dropped out of Mason High School as soon as I could, which was at the end of 10th grade. Shortly thereafter, I self-studied and got my GED through Holt Adult Education. I tinkered with different classes at LCC and got certified in Massage Therapy back in 1999, which I did for a living for a short while, along with cleaning houses. Eventually, I wound up going to the Capital Area Career Center in 2000, taking the "Business Office Administration" class. I then started co-op at Ingham Intermediate School District shortly thereafter. Back in 2005 I gained official employment there after being in and out for family reasons.

I'm currently working full-time as one of two "Early On" Secretaries for Ingham ISD. I have hopes of finding something part-time so I can devote more time to what I love doing best—being a Mom! Besides Ham Radio, I enjoy being outside and wish to someday make a living off of doing something with wildlife and land conservation/preservation. I enjoy photography with a focus on nature and also floral design. I've always had a passion for technology and know just enough about it to be dangerous (in a good way!).

My Hubby and I were introduced to each other through a mutual friend who was his best friend in High School. With me living in Michigan and he in Arizona, we talked online for a while until we finally met in person in 2002. We were married on New Year's Eve, December 31, 2007 by my cousin in our own living room! Our perfect little girl was born on February 20, 2010. It wasn't too long ago that I had absolutely no interest in Ham Radio whatsoever—simply because I never even knew such a thing existed! But, after my husband got his Tech in December of this past year, I followed suit in January. I took my exam at an Ingham County VE session in Lansing (at the same time my Husband was testing for his General upgrade) and was licensed as a Technician on January 12th of this year. I am studying for General and hope to have my upgrade in the near future, eventually going all the way to Extra, if possible.

I spend the majority of my radio time on the 145.39 repeater. I'll use other repeaters in the Lansing area but that one is 'home' to me! Even though it is no longer a requirement, my long-term goal is to learn CW. I'm also interested in SSTV. My favorite Ham activity is SKYWARN, because that's where my husband and I started and where a lot of our focus seems to be. As far as my Ham gear goes, I'm exclusively using an older Alinco HT, model DJ-180T. It's my favorite radio and was apparently going to be trashed but my husband saved it! I use a mag-mount antenna when I go mobile. We also have an Icom HT and 2 car radios, and all of them can do 2 meters and 440. My Ham Clubs/Associations include the Central Michigan Amateur Radio Club, the Lansing Civil Defense Repeater Association, the Lansing Area/Ingham County Amateur Radio Public Service Corps and "The Breakfast Club Net" group on Facebook.

When Julie asked if I had any words of wisdom or other comments to pass on, I responded, "I guess my best advice about life is to take chances, dream big, and try not to live in the past. I'd like to thank the Ham Radio family on the 145.39 repeater for all the support you've given my husband and me over the brief few months we've been on the air. Everybody has been so genuinely kind to us and has given Ham Radio in this area such a great and friendly presence!"

There, now that we've become a little better acquainted, "What's My Sign?" My Callsign is KD8MWA and my name is Dawn Beuchert. My husband is Dan Beuchert/WX8MOJ and our daughter is Abigail Ann or "Miss Abby". [Note: Dawn and Dan are the newly-appointed SCOPE Editors.]

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

Bits N Bytes...First Look

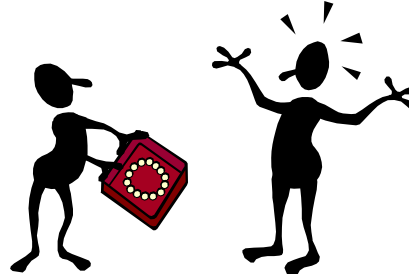


Birthdays

9/1	Matthew Taylor	KD8JIA
9/11	Morgan Mosher	KD8IWT
9/14	Tom Shaver	KC8NJK
9/14	Kay Clark	KD8BDJ
9/14	Jason Every	KD8KCP
9/17	Jeremiah Sevrey	KC8EIA
9/28	Chris Reusch	AB8ZL
9/29	Scott Tickner	W8ATT
9/30	Robert Lindberg	WA8ZWR
9/30	John Hosford	KC8QZB

Anniversaries

9/02	Jamie & Ericka Kahler
9/4	Tom & Terri Shaver
9/12	Bob & Leota Strobel
9/15	Lowell & Connie Hoyland
9/16	Tom Rocheleau & Wife



WB8LZG Key of the Month

This month's Key of the Month is the Bencher iambic paddle. The Bencher Co. in Chicago has been a mainstay in the telegraphy biz for quite a while now. They have offered this same key for over 40 years. It is one of the more recognizable keys in the ham radio market. Many reproduction "knock-offs" of this key have been made also. A sure testament to the design itself. They handle well, have a "friendly" feel, and most anyone can send good CW with one. The Bencher Co. is still making this and other models too.

This one was a hamfest special, and I put some finger pieces made of Santos Mahogany on it to give it personality.

73 , Gregg



CMARC Meeting Notes

CMARC BOARD MEETING ~ August 13th, 2010

President Sharon/KD8HHK brought the meeting to order at 7:01 pm. with the following Board members in attendance: Treasurer Jerry/KD8GLN, Secretary John /KC8QZB, Director Don/KB8RAD, Director Carl/K8YHH, and Under 22 Director Corey/KD8BOQ. Excused were: Vice President Bob /K8RDN.

Carl/K8YHH reported that he is willing to stay after the meeting if someone would like to operate the club station.

John/KC8QZB reported that a get well card was sent to Bill/WD8NYW and a sympathy card was sent to Jane and George Newton after the passing of her sister.

Sharon/KD8HHK reported that awards were given out at the ARPSC picnic, Sharon/KD8HHK will find out who the winners are and let the Scope editors know.

Carl/K8YHH presented the idea that maybe we could take a picture of our "shacks" and put them up on one wall of the club room or on a bulletin board or in an album. He also reported that all the plastic for the traps on the A3 trap beam can be had for about \$21.95.

Corey/KD8BOQ wondered if there should be guidelines for advertisements in the Scope. There was a short discussion before the advertisements were tabled.

With all business concluded, The Board meeting closed at 7:28 pm.

John/KC8QZB – Secretary

CMARC MEETING MINUTES ~ August 13th, 2010

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

ATTENDANCE: There were ?? people in attendance (?? members and ?? visitors). Our guests were: Jason Burk, Julia Burk, Dan Burk/KD8OQV, Austin Burk, Bronson Reed/KD8FJI, Ryan Fisher and our speaker for the evening; Nancy Hepfer

INTERESTING DX CONTACTS: ??, etc., etc., etc..

ANNOUNCEMENTS: The next CMARC meeting will be on Friday, September 10th at 7:30 pm.

Tom/WA8WPI reported that there will be a Morse code class starting September 14, 2010 and will last approximately six to eight weeks for those who would like to learn Morse code.

Jolyon/KD8HZY reported that every weekend in October 2010 there will be a renaissance festival and they need volunteers for security. Anyone willing to help please contact Jolyon Vincent.

The SSTV net on the 145.390 repeater is now starting at 9:00pm. Carl/K8YHH reported that during the last half of the net they have been playing with fldigi

Sharon/KD8HHK reported that there were several CMARC members that won awards at the CERT/ARPSC picnic but does not have a list of who won what awards. Sharon will get the list of winners and may be put in the August Scope.

OLD BUSINESS: Greg/WB8LZG reported that the building classes are going good. The satellite antennas have been built. As of yet there has not been a contact with any of the antennas built in "class". The second project has already been started....a code oscillator.

A motion to accept the June and July secretary's Report and treasurer's report as printed in the SCOPE was made by Jim/KC8QWH, seconded by Don/WB8NUS and approved.

NEW BUSINESS: Julie/KB8ZXR reported that on Monday night on the ARPSC net that she took a radiogram going to Glen Summerfelt. She reported that he celebrated his 87th birthday on August 5th. Glen wanted to say hello to the CMARC family here. Glen and his wife are in Okemos in an assisted living facility. Glen had to sell all of his equipment because the facility would not even allow an HT. If anyone would like to call Glen please call Julie/KB8ZXR.

Sharon/KD8HHK reported that Carl/K8YHH is willing to stay after the meeting for anyone that would like to get on HF on the club station.

UNDER 22 REPORT: Corey/KD9BOQ reported that this was the 2nd week back on the 145.390 repeater and they have a live webcam going during the net. He is working on hooking up with echo link during the net in the near future.

Corey asks that if there is something that needs to be updated on the CMARC website, please let him know.

50/50 DRAWING: Charlie/WD8PVS won \$15.50 in tonight's drawing.

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

MAIN PROGRAM AND/OR SPEAKER: Nancy Hepfer (specialist medic) was our speaker for the evening. She put on an interesting program on AED's or automatic external defibrillator. With all business being concluded, KB8RAD moved to adjourn 2nded by Jerry/KD8GLN, we adjourned at 8:45 pm.

John/KC8QZB – Secretary

**The next meeting date for the
Central Michigan Amateur Radio Club
will be on October 8th at 7:30 pm.**

It's Time To Get Radio Active....

Bring a Friend and Show Them What Amateur Radio Is All About!

Ham Radio...it's not just for grown-ups anymore!



Fine writing instruments by Carl (K8YHH.)

Check out www.carlswritestuff.com for a great selection of custom made pens and pencils. They make great gifts for any special occasion!

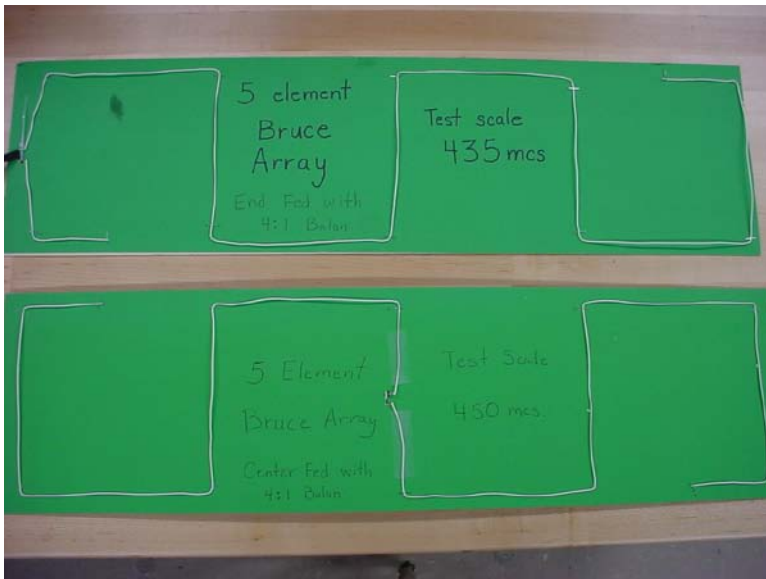
More Thoughts on the Bruce Array WB8LZG

Those of you who made it out to the CMARC Field Day this summer, may remember our 20 meter Bruce Array at the CW station. This was my 1st attempt to construct an antenna of this physical size and dimension before. Construction took up 2 city lots and half of the street. It took the better part of a morning to complete. When we got to try it at FD, I knew my effort was rewarded. Great signals and we had some “authority” on the band.

I was really impressed with its performance, however, never having one to play with before, I wanted to experiment more. The problem was and is, you have to have about a 120 foot span, and 2 supports at least 50 feet tall. I couldn't take it home and play with it as I wanted. The solution? Scale it down to another band with more manageable proportions. I chose to scale it down to the 70cm band. Turns out I can build a 5 element version in about a yard of space. Here's where the fun comes in. I work in the Electrical Engineering Dept. at Michigan State University, and have a good variety of nice test equipment to utilize for testing. Including network analyzers and a nice anechoic chamber.



The full size 20 Meter Bruce Array at Field Day



The 2 test models scaled to 70cm band

I wanted to see if my version of the scaled down array had radiation patterns similar to the full size version. The one I used at FD also was fed at the End, rather than in the middle as in the textbooks. So I built 2 scale versions. The 1st fed at the center with parallel line and a 4 to 1 balun. The 2nd fed at the end with parallel line and a 4 to 1 balun.

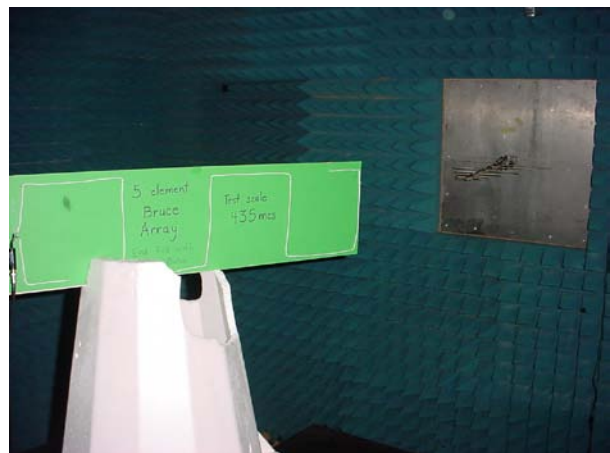
Theses were made from ordinary # 22 insulated wire, whatever was handy. They were “stapled” to poster board for mechanical support.

They were hooked up to the network analyzer to see what the matching and “smith chart” characteristics were. What I found very interesting is that the antennas had “resonance” in several different spots in the spectrum., and had a very nice “wide” bandwidth on the band designed for. As well as a low SWR across the band.

Then it was into the chamber for a spin to see what the radiation pattern looked like. Very interesting indeed. The Anechoic chamber confirmed some of my suspicions at Field Day.

It seemed at FD that we not only had “Main” lobes, but “Side” lobes too. The chamber proved this to be correct but not exactly as I thought it would look. If you can imagine North being straight up. The Antenna running from East to West. The pattern looked like a somewhat “flattened” out X. This confirmed the lobes of our Field Day contacts. Very cool to have real information to back up a suspected theory. Also a great way to see if the antenna actually has some gain or is just a “so so” performer. I've included some more pictures of the test setup.

73, Gregg WB8LZG



Youth Program Update from Corey Bullock KD8BOQ

Hey, CMARC! I said that I would periodically publish new Teen Talks as new events transpired. Well, I'd say it's definitely time for another Teen Talk, because A LOT has been going on!

The July CMARC Meeting was the Youth Program. If you missed it, then you'll want to go download the presentation from <http://tinyurl.com/youthpresentation> It was a great meeting with people asking questions and giving suggestions. Here were the three main points that you'll find in the presentation:

- The Holt High School Club has a room and is ramming through the doors!
- The MRAY Network moves back to the 145.39 Repeater and More!
- KD8BOQ is the new ARRL Asst. Section Manager for Michigan Youth!



MRAY Net:

The July Meeting was the announcement of a lot of great things that have come to the local ham community. Since the Thursday night MRAY Net moved back to the 145.39 (100 Hz PL), the net has been starting at 8 PM and ending almost **3 hours later** around 11 PM! We have steadily had around 38 Check-Ins for three weeks, and 14 of them were Youth Check-Ins! The Net is rapidly growing! Please download our flyer (seen on left) to print off, hand out to any hams you know, and post on your fridge as a weekly net reminder from www.mraynetwork.com

We also introduced Echolink to the weekly net which has been a hit! We would love for anyone, anywhere, of any age to join us every week. If you haven't used or downloaded Echolink, remember it is a FREE DOWNLOAD at www.echolink.org We are also excited that you can now check in from your PHONE with the free Echolink app for Android and the iPhone. This has many young hams excited and is getting more young people interested in getting their license. We need to remember that even though new technologies like that might get them into the hobby, they still eventually branch out and learn to love more "classic" modes like CW and explore the HF bands. We need to focus on *how* to get young people into the hobby so that we can open them up to all the different modes.

If you aren't even a Ham and you don't have equipment, we thought about you too! We have a LIVE WEBCAM of the Net control every week available at www.mraynetwork.com on the "MRAY NET LIVE" page. You can find video archives of past nets on the "Videos" page. As you can see from this picture, you're missing out if you don't watch the webcam!

MRAY Network:

Although the weekly MRAY Net is part of the MRAY Network, that is only one branch of this ever growing organization. The Net is what will and is allowing young Amateurs from all over the country to network with each other and other youth clubs. In the past, there was not a Nationwide organization that young Amateur Radio operators and youth clubs could rely on within the hobby that specifically targeted their age group. Now there is, with the MRAY Network. We are working to provide resources, introductions, and fun for young Amateurs nationally.

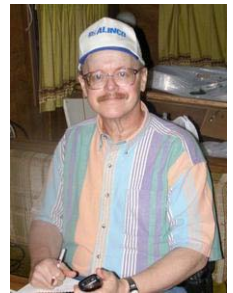


To do this, we realize that it's going to take a lot of work. We know that we need to have a website that is constantly fresh and easy to navigate with new content about new technologies in and out of the hobby to keep them interested and involved in Amateur Radio.

We also are planning MRAY Network "Meet Ups"! These will be events at local Hamfests, where the youth meet separately to enjoy pizza, pop, laughter, and discussion about the hobby and other common interests. In reality, these Meet-Ups are all about the networking, getting to know each other face to face so we can have fun on the air. We have a lot more exciting new things that we'll be announcing very soon, but all of our efforts are to promote the hobby to the next generation! Please stay up to date by frequently visiting our website (www.mraynetwork.com).

I also want to mention that we realize this is going to take a lot of work! We have some big goals set for ourselves. That's why we are establishing the MRAY Network Staff, a team of people who work towards the one common goal of expanding this network. We have other positions that will be appointed in the near future, but for now, please meet the MRAY Network Staff:

Corey Bulock KD8BOQ	MRAY Network President
Caleb Hoover KD8KTQ	MRAY Network Vice President/Web Manager
Morgan Mosher KD8IWT	MRAY Network Facebook Manager
Bronson Reed KD8FJI	MRAY Network New Ham Facilitator
Don McLain KB8RAD	MRAY Network Consultant



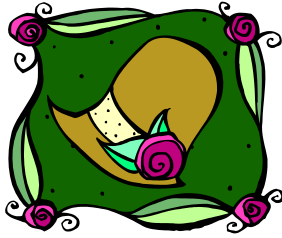
This team, plus our other "staff" members that are coming in the near future are what is going to make our goals a reality!

As you saw in the Staff listing, we do have a Facebook page! Please visit us on Facebook at [tinyurl.com/mrayfacebook](https://www.facebook.com/tinyurl.com/mrayfacebook)

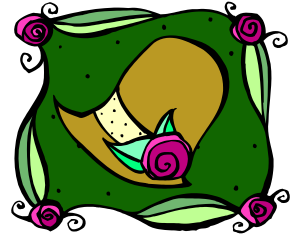
In general, with everything from the MRAY Network expansion, the MRAY Net success, and the Holt High School Club, the best word to describe what I'm feeling is ECSTATIC! I welcome any and all questions, comments, and suggestions! We want to make everything we do to be the best that it can possible be to fully prepare the next generation to take on this hobby! We need the guidance and help from ALL mentors.

Thanks and 73,
Corey Bulock KD8BOQ
CMARC Under 22 Director
kd8boq@gmail.com
517-930-2372

Ladies of CMARC News



Tea Time Ladies' Days



Sept. 2, 2001 – Ericka/KD8KJU & Jamie/KD8IAP Kahler's Anniv.

Sept. 4, 1980 – Terri & Tom/KC8NJK Shaver's Anniv.

Sept. 12, 1964 – Leota & Bob/KB8DQQ Strobel's Anniv.

Sept. 14th – Kay Clark/KD8BDJ's Birthday

Sept. 15, 1957 – Connie & Lowell/KC8ARG Hoyland's Anniv.



SEPTEMBER LADIES TEA TIME LUNCHEON

Who: All Ladies Are Welcome. And, Remember, You Don't Need
A Ham License To Attend!

What: Our September 2010 Ladies Tea Time Luncheon.

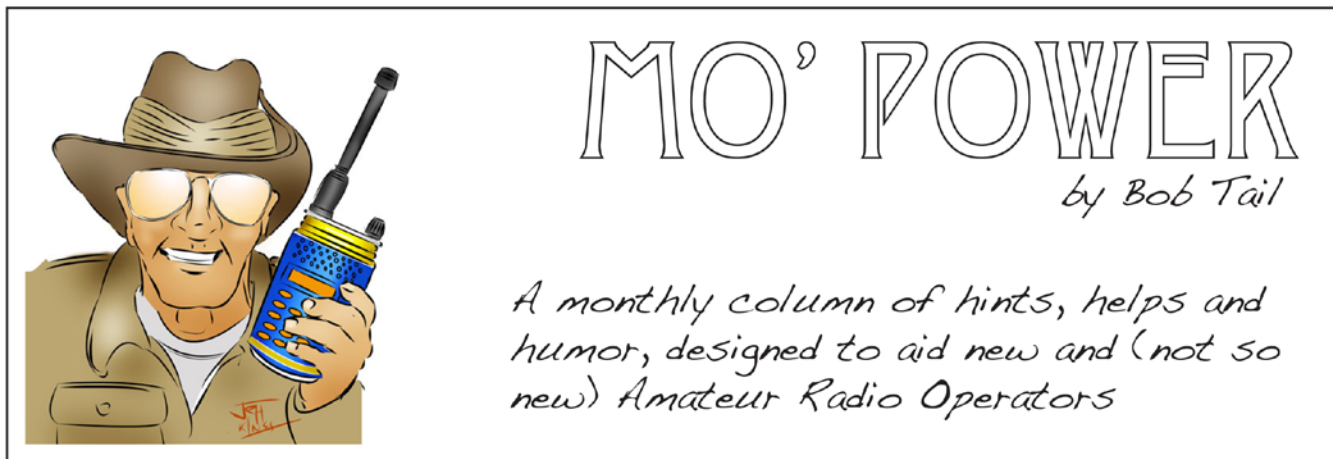
Where: Cheddar's Restaurant 5719 W. Saginaw Hwy. in Lansing
(In Front of Big Lots and Across From the Lansing Mall)

When: Saturday, September 18, 2010, At 12:30 p.m.

Why: So We Can Get Together To Enjoy Some Good Food,
Warm Fellowship and Have Lots of Fun Doing It!!

Please RSVP By Friday, September 17th By Contacting
Me At: (517) 694-0812 or KB8ZXR@AOL.COM
Hope to See YOU There!!

~Julie McLain/KB8ZXR
Ladies Tea Time Luncheon Coordinator



G'Day Mates!

Couldn't help but eavesdrop on the gang having the weekly net on the local repeater, a wee bit ago. Seems they were having a terrible time trying to find something good to say about vertical antennas. Many were quick to dismiss them as "poor performers". Yet some actually had very good luck using them. As I listened in, my curiosity aroused, it became clear that the ones who had the most trouble and least luck with verticals were the new hams. Reminded me of some of my own trials with verticals as a lad. Wasn't till later in life when serving as Comm Officer aboard the H.M.N.Z.S. Otago, that I gained firsthand knowledge about vertical aerials. Seems the Navy had been using vertical radiators quite nicely for many years. I quickly learned that to be effective, a vertical had to have a good ground system to work with. Notice I said "with". Many hams when speaking of verticals refer to the ground as something the vertical works against. I prefer to think of a vertical aerial and ground to be on more "friendly" terms. A ship being all metal and sailing in salt water, has the perfect ground. Many hams forget that a vertical is really a dipole with $1/2$ in the air, and $1/2$ in the water or ground. It's the part that goes to ground that often gets neglected. 1st rule, is that a ground system for a vertical aerial is as important as the vertical radiating element itself. Why do you suppose that commercial radio stations have a minimum of 120 radials. It's so the current can flow in those radials and be re-radiated to the rest of the antenna, and then out into the ether where you want it.. Efficiency suffers as the ground system is compromised. In fact, while in service to Queen and country, I did a tour of one of your "Yanks" west coast Naval communications stations. They had a ground screen under near the entire complex. Hmmmm, suppose they're on to something here ?

Now I'm not advocating that you run right out and put 120 $1/4$ wave radials out in your backyard. However, I certainly wouldn't discourage it if you've the inclination. I will recommend to all those with vertical aerials that only seem mediocre in performance, to put out at least four $1/4$ wave radials for each band that you operate. In my own shack I have 32 radials under my vertical aerial. Four cut for each band from 7 Mhz up to 28 Mhz. Works quite nicely. Will it out perform a 3 element Quad up 30 metres ? Probably not. Yet it will make a huge improvement in comparison to using no radials at all. Yes I know, some of the adverts in the hammy mags, tout "no ground radials needed". But they are only fooling the "bloaks" that believe it. You simply can't fool Ma Nature ! The only time I've ever seen the laws of physics being "bent", is by "sweet talking" advertisers. Sure you can make contacts on those verticals without any radials, but much of the exciter's output will be exciting the worms.

Which reminds me of me novice days, and our young friend Ned Novice. When I got my first “ticket” I was still living at home with me dear Mum and Dad. Mum was quick to point out that we didn’t have a lot of space for aerals, so a good chose would be a vertical antenna. I found plans to fabricate one in the RSGB Handbook, and by the weeks end had hammered a steel pole about a metre into the ground and mounted my newly made aerial to the pole stuck into the ground.

No radials, just a metal pole in the ground. Results with this setup were disappointing at best. Yes I did work some DX with it. (we were in the peak of the cycle) Yes it tuned just fine and had a low VSWR. Yet it didn’t give me the “World Wide” DX as acclaimed by many other vertical owners. Wasn’t until years later that my education about vertical aerals would be enlightened, while in service to the Queen.

Alas , I overheard Ned talking to the other youngsters at the last hammy club meeting. The more I listened the more I became convinced that history was repeating itself ! Our boy Ned found a good bargain on a used vertical at a Hammy Swap. Seems he and a friend put it up on a pole in his side garden. No radials. Seems he had no trouble hearing a lot of stations, yet nary a one would answer his call. Had him stymied it did. Well I just couldn’t let young Ned trip over the same hurdle I did years before. So I meandered over and tells him of me own tribulations with the “vertical villains”. The gang of youngsters listened intently, eager to learn all about my exploits with “worm warming”. Nil Current ,still sweet on Ned, tagged along and “piped in” with the formula for figuring out the efficiency of a vertical radiator. The RSGB handbook says” the efficiency of the antenna is the ratio of the radiation resistance to the total resistance of the system”. Nil showed the others the difference in the efficiency of the aerial, with , and without radials. Nil’s arithmetic prowess is unquestioned. She impresses me as one bright young “Sheila”. I see the light go ON in Ned’s eyes, and he politely thanks Nil for showing him the mathematics behind the error in his ways. With new found vigor, Ned enlists the help of some of his pals to help him spade under some new ground radials in the garden. Nil says she wants to come see the results. Could be electrifying ! We shall find out next time.

Oh yes , for those of you stifled about me identity, the reference to H.M.N.Z.S. OTAGO is one of few clues you shall ever receive.

73, Bob Tail 



Lansing Civil Defense Repeater Association Field Day



Saturday October 2, 2010 – Meet at 10am at the Salvation Army parking lot!

Join us at the LCDRA Field Day on the second of October for a look into the repeaters that keep this area’s communication going! The field day will start at 10am Saturday morning at the Salvation Army’s parking lot (near Washington and Jolly in Lansing) and take us to the repeater sites at Ingham Medical, Dobie Road’s tower, a stop including a tour of the WILX news station, and finish at the Onondaga repeater site. If you have ever wondered where the repeaters that we talk on in the area were located, or how they operate and are maintained, this is a great trip for you to learn how it’s done. Hope to see you there! Feel free to contact Dan Harger W8BCI for more information on this event at (517) 882-8784.

Local & Special Interest News

CMARC TREASURER'S REPORT

August 2010 Treasurer's Report

Primary Share Acct. (Humphries Fund)	\$ 55.00
Business Checking	\$1913.03
NuUnion Certificate of Deposit (3/10/09)	\$1022.27

Net Worth as of 02/28/10	\$2990.30
Youth Fund Balance* (as of 02/28/10)	\$ 189.20
Building Fund* (Club Station)	\$ 9.09

*separate from CMARC Funds



Submitted,
Jerry Waite, KD8GLN
CMARC Treasurer

FOR SALE

Hygain 2 meter 13 element yagi antenna.
Good shape and works well too. You won't
have trouble getting into any of the
repeaters with this one. \$30 or Best offer.
Call Gregg WB8LZG 646-6257 after 5pm.

***Need to sell or looking to buy HAM gear?
Have a project that needs some guidance or labor?***

***We are working to create a classified section just for
you to sell, buy, and trade HAM related goods, as
well as gather help for your ham related projects.
Send an email to: cmarcscope@hotmail.com and let
us know what you'd like to sell, buy, trade, or plan ...
and of course any ideas!***

Welcome to CMARC...

***We don't have strangers here, just
friends we haven't met yet.
Come join us soon!***

Weekly Nets in the Greater Lansing Area

*Nets are a great way to learn organized communication,
as well as to meet and get to know your fellow Hams.
The Lansing area offers many Nets and they are listed
below. Please feel free to check into one, or ALL of
them...and everyone is welcome!*

**Weekdays 7am (Monday through Friday) - Breakfast Club.
Join Don (KB8RAD) for a daily wakeup net on the 145.390
repeater, as you travel to work (or from).**

**Sunday 9:00pm - Central Michigan Slow scan Net. Join
Carl (K8YHH) on the 145.390 for lots of fun!**

**Monday 7:00pm - ARPSC Net. Don (KB8RAD) welcomes
one and all for this weekly Net on the 145.390 repeater.
The purpose of the Net is to learn proper etiquette for a
controlled Net. (NO NET ON MEETING NIGHT)**

**Tuesday 7:00pm - Ladies' Tea Time Net. Julie (KB8ZXR) is
your hostess and all Lady Hams and Lady Non-Hams are
encouraged to drop in. Of course, for the Lady Non-Hams,
a licensed operator would need to check in with you, but
it's lots of fun. Guys are welcome, too and we are on the
145.390 repeater. See you there!**

**Tuesday 8:00pm - QCWA Net. Your Net Control is Don
(WB8NUS) and all licensed Amateurs are welcome to stop
in to the 146.700 repeater and say hi.**

**Wednesday 8:00pm - Central Michigan Information Net.
Join Don (KB8RAD) for this weekly gathering on the
145.390 repeater. All are welcome to attend.**

**Thursday 8:00pm - Michigan Radio Amateur Youth (MRAY)
Net, with Corey (KD8BOQ). This net starts out taking only
youth check ins and then later opens up to EVERYONE!
Drop by and show your support for our youth hams.**

*As with all Nets, 3rd party check-ins are welcome, but must
have Control Operator present at check-in time.*



VE Testing & Special Announcements

Lansing V.E. Testing Session

*****NEW LOCATION***** Ingham County Sheriff's Department - Mason

Our new location is easy to find-just take US127 South to the N. Cedar St. Exit #66 and turn Left. Go South on Cedar, then turn left onto Curtis St. (between A&W and Subway.) Follow it back to the Ingham Co. Sheriff's Office parking lot on the left and follow the sidewalk to the left wing of the building to the "Training Center" door. The Exams will be held in the Sgt. Cole Training Room at the end of the hall and we'll have VE Exam Signs posted for extra help.

Registration starts at 7:00pm and testing starts shortly thereafter on the following date: **Thursday, October 7th, 2010**

The 2010 CMARC & LCDRA Boards

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

Our CMARC Officers:

President: Sharon Waite-KD8HHK	ph: (517) 882-5406
Vice President: Bob Berger-K8RDN	ph: (517) 882-0370
Secretary: John Hosford-KC8QZB	ph: (517) 699-2540
Treasurer: Jerry Waite-KD8GLN	ph: (517) 882-5406
Director: Donald McLain-KB8RAD	ph: (517) 694-0812
Director: Carl Canfield-K8YHH	ph: (517) 755-6627
Under 22: Corey Bullock-KD8BOQ	ph: (517) 930-2372
Cards/Flowers: Jane Hosford-KC8FSK	ph: (517) 699-2540
Mem. Chmn.: John Ingraham-NG8L	ph: (517) 230-9445
Photographer: J. Ervin Bates-W8ERV	ph: (517) 908-6739
Club Contact: Donald McLain-KB8RAD	ph: (517) 694-0812
Building Coordinator: Dan Beuchert-WX8MOJ	ph: (517) 604-1379
QSL/ Awards Mgr.: Don DeFeyer-KC8CY	ph: (517) 641-4533
Scope Editors: Dawn Beuchert-KD8MWA	ph: (517) 525-1348
Dan Beuchert-WX8MOJ	ph: (517) 604-1379

****email address: cmarcscope@hotmail.com ****

Meetings: 2nd. Friday of every month at the Salvation Army-Capital Area, 701 W. Jolly Road, Lansing at 7:30pm. Board Meeting begins at 7:00pm. Club Calls: W8MAA & W8PLP

Deadline for articles: 20th. of month.

The 2010 LCDRA Board

Our LCDRA Officers:

Pres: Daniel Harger-W8BCI	ph: (517) 882-8784
Vice Pres: Don Tillitson-WB8NUS	ph: (517) 321-2004
Secretary: John Imeson-N8JI	ph: (517) 663-1358
Director: Dennis 'Rocky' Beckner-K8DRB	ph: (517) 230-4995
Director: Donald McLain-KB8RAD	ph: (517) 694-0812
Director: Jim Harvey-KA8DDQ	ph: (517) 882-5796
Treasurer/Memb. Chair-Jeff Oberg-KB8SXX	ph: (517) 712-1302
Repeater Trustee: Dennis Boone-KB8ZQZ	email: drb@msu.edu

LCDRA Call: WB8CQM

Meetings: Quarterly on the third Thursday of the month, beginning at 7:00pm. Meetings are held at the **Salvation Army building** near the corner of Washington and Jolly, in Lansing, MI.

Eaton Co. ARC

Saturday, October 9th - 12pm

Eaton Co Sheriff Dept-EOC,
1025 Independence Blvd.

Charlotte, MI 48813

Contact: John A. Dewey (NY8Q)
phone: (517) 645-2378

Shiawassee ARC

Thursday, October 28th - 6:30pm

American Red Cross,
702 Corunna Avenue

Corunna, MI 48817

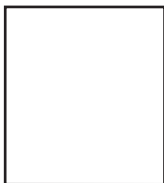
Contact: Thomas Carpenter
(KI8AS) phone: (517) 579-0599

Lansing VE Session

November 13th, 2010 - Saturday

Ingham Co. Sheriff's Office
Curtis St. Mason, Training Center
Sgt. Cole Training Room
(Lansing VE Team)

Contact: Don McLain (KB8RAD)
phone: (517) 694-0812



Central Michigan Amateur Radio Club
P.O. Box 27321
Lansing, Michigan 48909-7321



Central Michigan Amateur Radio Club

THE SCOPE

Lansing Civil Defense Repeater Association

September, 2010



Joining

☐ CMARC

☐ LCDRA

Name Callsign

Address City State

ZIP Phone Lic. Class

ARRL Mem.? Birthday Wedding Anniversary

Year 1st Licensed Email address

CMARC Full Membership \$15 per calendar year (must be a licensed Amateur to obtain Full Membership) Associate Membership \$5 per calendar year

Mail Your Check or Money Order To:
John Ingraham-NG8L, CMARC Membership Chairman
2807 Greenbriar Ave., Lansing, MI 48912
(Checks made payable to CMARC, please)

LCDRA Membership is \$15 per calendar year (add a Family member for only \$7.50 per person, per year)

Mail Your Check or Money Order To:
Lansing Civil Defense Repeater Association
P.O. Box 26281, Lansing, MI 48909-6281