



Central Michigan Amateur Radio Club

# THE SCOPE



Lansing Civil Defense Repeater Association

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## FCC RESCINDS LICENSE MODIFICATION

The FCC has changed its mind and decided to rescind a license modification that would have kept David O. Castle, WA9KJI, of Evansville, Indiana, off the HF bands for two years. The FCC notified Castle of its change of heart July 8, but the man who imposed the sanction last May—the FCC’s Riley Hollingsworth, K4ZDH—said he’s not troubled by the turn of events.

“We have to call ‘em as we see ‘em,” Hollingsworth said this week.

On May 19, Hollingsworth wrote Castle to say the FCC had information that Castle, a General-class licensee, had, on May 1, engaged in “broadcasting and talking to no particular station for over an hour, during which time you prevented the use of the frequencies by others and maliciously interfered with other stations.” Hollingsworth’s letter had said that Castle had “falsely claimed” to be in contact with another station. As a result of the alleged violations, Castle’s privileges below 30 MHz were suspended.

In reviewing Castle’s response, however, the FCC reversed its stand and concluded that Castle was—in the words of the FCC’s July 8 letter—“not at fault on the evening of May 1, 1999 . . . and further that your transmissions were interfered with by another Amateur Radio operator attempting to call a net into session (known as the ‘Liberty Net’).”

Castle’s reply to the modification notice included a tape recording of the relevant time period. Hollingsworth said the FCC also reviewed other information, including a sworn affidavit, furnished by other amateurs who were in contact with Castle at the time of the alleged violations.

Hollingsworth said the FCC is aware of “numerous complaints” about WA9KJI, but in the action at hand, the Commission was only concerned about what happened on the evening of May 1. “Based on the information that we have for May 1, I think he was right—on that evening at that time.”

Castle has been the recipient of an FCC warning and an official Notice of Violation for allegedly engaging in malicious interference, and his operating hours have been restricted in the past.

In his letter withdrawing the modification, Hollingsworth reminded Castle of the “numerous allegations of malicious interference” against him. Hollingsworth also said the FCC would continue to keep an ear on the 75-meter frequency in question. “3950 is, unfortunately, a trouble spot,” Hollingsworth told the ARRL. “It’s one of the sore spots on Amateur Radio, and we’re going to be monitoring it very closely from now on.”

-ARRL Newsletter 7/23/99

## CAROLINA HAM REJECTS SANCTION, TURNS IN TICKET

A South Carolina ham who was the target of an FCC enforcement action has turned in his Amateur Radio license rather than accept a license modification that would have kept him off the HF bands for four months.

FCC attorney Riley Hollingsworth, K4ZDH, reports that General class licensee Richard L. Whiten, WB2OTK, of Easley, South Carolina, informed him July 22 via e-mail that he wanted to turn in his ticket. Hollingsworth had no comment on the matter other than to say that WB2OTK’s license was submitted for cancellation.

A follow-up letter mailed to Whiten today simply says, “Pursuant to your communication of July 22, 1999, we have accepted your license for cancellation, effective as of the above date, and dismissed the application for call sign W2OTK.”

Whiten had applied for the vanity call sign W2OTK, but the FCC had set aside his application pending the outcome of the enforcement action. Under a license modification imposed June 30, Whiten was to stay off the HF bands until October 25. In return, assuming no further violations, the FCC would clear its books of any outstanding FCC enforcement issues and grant his vanity call sign request. Whiten had been given 30 days to protest the license modification.

WB2OTK has run afoul of the FCC on several accounts. In late January, Hollingsworth and an FCC engineering team visited Whiten’s station after what Hollingsworth called “longstanding complaints” about its operation. Whiten reportedly cooperated in the station inspection. The FCC says it’s received “numerous complaints” about Whiten “regarding profanity, obscenity, broadcasting extreme racial slurs, deliberate interference and failure to properly identify.”

In April, the FCC sent Whiten tape recordings of transmissions from his station made on two occasions in November and asked him to explain their contents. Whiten responded in May. Citing privacy concerns, the FCC has not gone into details about Whiten’s explanations for what was on the tapes, but Hollingsworth noted in his June 30 letter ordering the modification that Whiten had apologized for the operation of his station on the dates in question. -ARRL Newsletter 7/23/99

# National Ham News

## **LAST SHUTTLE SAREX MISSION IS IN SPACE!**

The third time was the charm for shuttle Columbia mission STS-93—the last shuttle that will carry the Space Amateur Radio Experiment. Future Amateur Radio in space activities will involve the International Space Station.

After a faulty sensor Tuesday and thunderstorms Thursday prevented Columbia from blasting off with Eileen Collins, KD5EDS, at the helm, the shuttle took off early Friday, July 23, but not without a glitch. Collins reported a fuel cell problem nine seconds after liftoff. Some seven hours after launch, the STS-93 crew deployed the world's most powerful X-ray telescope, the Chandra X-Ray Observatory.

Collins is the first woman to lead a US space flight. In addition to Collins, the STS-93 crew includes Pilot Jeffrey Ashby; and Mission Specialists Cady Coleman, KC5ZTH; Steven Hawley; and Michel Tognini, KD5EJZ, a French astronaut.

STS-93 carries the 25th SAREX payload, and students at five US schools in Virginia, Texas, and Florida, have scheduled Amateur Radio QSOs with the astronauts. Earthbound stations may be able to listen to the astronaut side of the QSO on 145.80 MHz FM, but they will not be able to transmit to them. If all goes as planned, students at the each school will get a chance to directly interview the astronauts via the SAREX ham radio linkups. Typical passes last approximately 10 minutes.

The crew may have time for some random Amateur Radio contacts as well. This crew prefers voice mode over packet, but the packet robot will be on when the crew is occupied elsewhere. For all voice contacts, stations should listen on the downlink for the crew to call "CQ."

The downlink frequency to listen for the STS-93 crew is 145.80 MHz FM. There are two uplink frequencies—144.47 and 144.45 MHz FM (over Europe, the single uplink frequency is 144.49 MHz). The crew will not favor either uplink frequency.

The packet robot downlink frequency is 145.80 MHz FM, and the uplink is 144.49 MHz FM worldwide. The connect on packet should be to W5RRR-1; stations will get a connect number if they are successful. Stations are asked to make only one packet connect to let other stations have a chance. The robot should never be used to connect to another station. APRS UI frames are welcome. If you send an APRS packet, once you see it digipeated, cancel your request to avoid unnecessary QRM and keep your comments very brief.

The QSL route for random STS-93 SAREX contacts is care of Dan Miller, K3UFG, ATTN: STS-93, ARRL, 225 Main St, Newington, CT 06111. The Dayton Amateur Radio Association has volunteered to handle QSL duties for this mission.

SAREX Principal Investigator Matt Bordelon, KC5BTL, says that future shuttle missions will be "way too busy" to accommodate SAREX. The Amateur Radio on the International Space Station program is working toward establishing a permanent Amateur Radio presence in space aboard the ISS. An interim Amateur Radio station should be operational from the ISS by early next year.

For updated information on STS-93, visit <http://garc.gsfc.nasa.gov/~kc6rol/sts93.html>. *ARRL Newsletter* 7/23/99



## **FCC fines Florida man \$20,000**

The FCC has levied a \$20,000 fine on a Florida man for violations stemming from alleged unlicensed operation on Amateur Radio frequencies. William Flippo of Jupiter is accused of willful operation of an unlicensed radio station on 28.375 MHz, willful and malicious interference with ongoing Amateur Radio communications, and with failing to let FCC representatives inspect his radio equipment. All of the alleged violations are said to have occurred June 8, 1999.

The FCC's Compliance and Information Bureau has been investigating complaints from hams in the Jupiter area for nearly two years. After experiencing intentional interference on 10 and 2 meters, local hams provided the Commission with audio tapes and the results of close-in monitoring and direction finding.

Subsequently, an FCC agent used direction-finding techniques to determine that intentional interference to amateur traffic "was occurring and that the intentional interference was being transmitted from the residence of William Flippo." The FCC agent, accompanied by a local sheriff's deputy, attempted to inspect the radio equipment at Flippo's residence on June 8, but Flippo reportedly refused to allow the inspection.

Flippo has 30 days to respond to the FCC Notice, sent July 12 by FCC Tampa District Director Ralph M. Barlow. - *WIAW* 7/16/99

# Local & Special Interest News

## WHY THE JULY SCOPE WAS LATE

### (AND SOMETHING ELSE TO PONDER!)

Well, here is the “not-so-brief” version, and after reading it, if you have any ideas on how to solve the problems and/or are interested in being part of the solution... don’t hesitate to let one of the Board members know! We can use all the help we can get! The explanation is as follows: Over a year ago, Cary/KC8JKA, a brand new Ham at the time, volunteered to improve the look of the Scope by using a new format which offered a more appealing layout. Then, unexpectedly, Rowena/KA8OBS (the Scope’s Editor for many, many years) passed away, and then Hal/WA8LAY (who had also worked on the Scope for many years with her), became laid-up with back and hip problems.

In the wake of this unfortunate turn of events, and with the usual lack of people willing to lend a hand, Cary, who had ONLY volunteered to do the layout, suddenly inherited ALL of the responsibilities that come with putting out a monthly publication. Together, he and his girlfriend (Kim Carpenter), who doesn’t even have her license yet, but is an Associate member, then jumped in with both feet and ended up doing it ALL — housing the duplicator and it’s supplies, typing, printing, collating, stapling, addressing, sorting and mailing!

Needless to say, suddenly becoming the Scope Editor and his “helper”, in addition to their jobs and families, left Cary and Kim with little time left for anything else. Therefore, to make things a little easier for them, the Vice President of CMARC, John/N8LLC and the Vice President of LCDRA, Don/N8XME (who also have families and jobs, in addition to the responsibilities that come with being active Board members), volunteered to collate, staple, label, and mail the Scope.

Here is where the true test of one’s devotion to the Hobby comes in. Don and John have been experiencing an ever-increasing slew of problems each month, and here are just a few of them: (1.) At least 50 Scopes being thrown away by the Post Office each month because of undeliverable addresses (some because of typo’s and some because many members didn’t bother to send CMARC their new addresses when they moved. They also didn’t notify the FCC and could lose their licenses if the FCC finds out!) (2.) Wrong zip code/state combinations and (3.) one postal worker telling them to sort the Scopes one way and the next month, someone else telling them to do it another.

Don/N8XME spent TWO AND A HALF HOURS at the P.O. in May just trying to mail out June’s Scope! Being faced with this kind of hassle, in addition to his other pressing responsibilities, AND with no glimmer of hope that things would get better any time soon, Don decided he didn’t want or need the job of working on the Scope. Unfortunately, that just left John/N8LLC to do the job of collating, stapling, mailing, etc. One person can only do so much, and with John being scheduled to leave for a family vacation at that time, and no one offering to help him... the Scope did NOT get mailed out on schedule.

CMARC’s Board is trying to find solutions to these problems and has come up with the following ideas that may help: (1.) We discussed mailing the Scope FIRST CLASS for a month or two so that any undeliverable Scopes would be returned to us, and we would then know which ones were giving us problems and could take steps to rectify the situation. (2.) We would like all members who have paid their dues for the current year, and who are not getting their Scope, to notify us so we can correct it. (3.) We want all members to look at the address label on their Scope. If you have paid your dues for 1999 but your label says 1998, PLEASE let the Membership Chairman (John Ingraham/NG8L) know... he’s NOT a member of the Psychic Friends Network!! You can call him at 484-8027, or e-mail him (NG8L@ARRL.NET). (4.) We would also like the membership to let John know if their address, zip, call sign, or phone number is wrong (on the mailing label or in the Club Directory). Once again, he can’t possibly know if you don’t tell him. (5.) We would like volunteers (there’s that dirty word again!) to help in getting the Scope out each month. If you have some free time in the evening around the 20th of the month, give CMARC’s Vice President, John/N8LLC a call at 393-2336, and ask if he could use your help with the Scope. I’m sure he will greatly appreciate it, as will the rest of the Board.

When A LOT of us join in on a project, we ALL benefit, and it makes the task AND the Hobby a lot more enjoyable for everyone! After all, this IS “just” a Hobby, and those of us who volunteer are not in it for the glory. We are in it because we care about the Club and it’s members. Also, we want to show our appreciation to those who were once where we are now... those who have “been there” and “done that”.

Having said all of this, I just want to add one more thing. I know first hand how much it means to hear those two little words “THANK YOU”. I still feel overwhelmed by, and so undeserving of, the words Don Cote/KD8BD read as he presented me with the Ziegenbein Award in May of this year... “Well done thou good and faithful servant”. There are truly MANY faithful servants in CMARC, and the people named above are just a few. Please be sure to let them all know you appreciate their efforts.

Sincerely, Julie McLain/KB8ZXR-CMARC Secretary

## The '99 CMARC Board

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

### Our CMARC Officers:

Pres: Jim "Erv" Bates-W8ERV ph: (517) 676-2710  
Vice Pres: John Crawford-N8LLC ph: (517) 393-2336  
Sec: Julie McLain-KB8ZXR ph: (517) 694-0812  
Treasurer: Joe Denomme-N8VYS ph: (517) 589-5263  
Dir: Don McLain-KB8RAD ph: (517) 694-0812  
Dir: Bill Mathews-KB8TTS ph: (517) 394-1198  
Under 22: Jud Gunderson-KC8IRG ph: (517) 321-7759  
Cards & Flowers Chmn.: Julie McLain ph: (517) 694-0812  
Membership Chmn.: John Ingraham-NG8L ph: (517) 484-8027  
Meetings: 1st. Friday of every month at the Red Cross, Lansing Chapter, 1800 E. Grand River at 8pm.  
Club Calls: W8MAA & W8PLP  
QSL & Awards Mgr.: Don DeFeyer-KC8CY  
Scope Editor: Cary M. Britten-KC8JKA email: KC8JKA@att.net  
Deadline for articles: 15th. of month.

## The LCDRA Board

### Our LCDRA Officers:

Pres: Clint Hannahs-KC8EHR ph: (517) 882-1799  
Vice Pres: Don Clark-N8XME ph: (517) 669-4586  
Sec: ??????????  
Treasurer: Don Tillitson-WB8NUS ph: (517) 321-2004  
Dir: Hal Bell-W8LAY ph: (517) 484-0962  
Dir: Don McLain-KB8RAD ph: (517) 694-0812  
Repeater Trustee: Dennis Boone-KB8ZQZ  
LCDRA Call: WB8CQM  
Meetings: Bi-Monthly on the 3rd. Thursday at 7:30pm. at the Meridian Township Service Center, 2100 Gaylord C. Smith Court, Okemos

## CMARC Board Meeting July 9, 1999

Vice President John/N8LLC brought the Board meeting to order at 7:40 p.m. The other Board members in attendance were Joe/N8VYS, Don/KB8RAD and Julie/KB8ZXR. Excused from tonight's meeting was President Erv/W8ERV, who was on a much-needed vacation (his family's first in 13 years!). Also absent were Bill/KB8TTS and Judd/KC8IRG. (Judd did show up for the meeting last Friday, however, apparently unaware that it had been scheduled for tonight because of the 4th of July holiday.)

Joe gave the Secretary a "returned" card (it was one that she had mailed to a Club member), and on it the Post Office had stamped "Addressee Unknown - Unable to Forward - Return to Sender". With this returned mail, and in view of the fact that the July Scope had STILL not been mailed out due to complications, the Board members once again tackled the "ongoing"

problems involving the membership list/ mailing labels.

We invited CMARC's Membership Chairman, John/NG8L, to join us as we discussed ways of resolving these issues that continue to plague us from year to year. The list of problems includes: (1.) Club members NOT sending in "change of address" notifications. (It seems these same people are also forgetting to send the FCC their new addresses. Not sending the FCC a 610 with your new address is definitely a big "NO-NO", since, if the FCC sends you a notice and it's returned because of an undeliverable address, they could revoke your license!), (2.) Club members who DO NOT contact the Membership Chairman when there are irregularities (such as no Scope being received, typographical errors in their mailing label, and incorrect membership expiration dates), (3.) The ongoing problem of a large number of "undeliverable" Scopes that are being thrown away by the Post Office each month (because of our 4th Class postage), instead of being returned to the Club so we can find our errors.

In trying to find a solution to these problems, it was decided that we should compare CMARC's addresses with QRZ's database, compare the membership applications with our membership list to check for typing errors, and put a paragraph in the Scope regarding "corrections needed". It was also decided that we should give the members an e-mail address where they can contact the Membership Chairman with their corrections ([NG8L@ARRL.NET](mailto:NG8L@ARRL.NET)).

The Secretary showed the Board the rubbing of the plaque being made in honor of John Hewitt/K8DHN, for their final approval. When completed, we will have a dedication ceremony at Camp Kiwanis in Mason where we hold our annual Field Day events. Joe gave the Secretary the Club's tax exempt ID number so when she goes to pick up the plaque and pay the bill, there will be no tax included.

In view of the fact that our discussion had extended beyond our time allotment (we were late!), Don/KB8RAD then made a

motion to adjourn. It was seconded by Joe and approved. The Board meeting adjourned at 8:03 p.m.

Julie McLain/KB8ZXR-Secretary

## CMARC MEETING July 9, 1999

Vice President John/N8LLC brought the meeting to order at 8:10 p.m. There were 23 members in attendance and no visitors. There were also no new licenses, upgrades or vanity calls.

### ANNOUNCEMENTS:

(1.) Saturday, July 10 is the Elsie Day Parade. Jon Seaver/N8SUA is the contact person for this event.

(2.) Saturday, July 10 is also our VE exam session in the Kropschot Room of the Red Cross. The test starts at 10:00 a.m., although examinees are asked to be there at 9:30 a.m. to fill out the necessary paperwork.

(3.) Saturday, July 17 is "Women on Wheels". Don/WB8NUS said he needs at least 12 Hams for communications. If interested, please contact him at 321-2004.

**OLD BUSINESS:** The Secretary gave a brief update on how the plaque in honor of John "Tiny" Hewitt/K8DHN was coming. She passed around a rubbing of what the wording would look like, and explained that it will be bronze with a maroon background. She said that when it is finished, we are planning to have a dedication ceremony to hang the plaque. Pam/KB8PSF suggested that we ask Scott/KA8SDW to contact the Boy Scouts Property Director to see if we could dedicate the plaque at the same time that they hold their ceremony to dedicate the newly-remodeled Cooking Cabin (since Scott had spoken with the Director about their upcoming ceremony when he attended Field Day). Scott will be contacted and asked if he will make the necessary arrangements for us to be included in that dedication. We also want to have Freda Hewitt (John Hewitt's widow) there for the ceremony.

**NEW BUSINESS:** Due to July's Scope not being mailed out yet (as of tonight's meeting), there was no motion made to accept the Secretary's report. (It will, however, be voted on at the August meet-

ing.) Vice President John/N8LLC briefly explained to those in attendance the problems we have been having with the mailing of the Scope and said it would eventually be mailed out. (For a more detailed explanation, please see the article elsewhere in the Scope entitled "WHY THE JULY SCOPE WAS LATE".)

The Treasurer's report was passed around the room for everyone to review. Bernie/N8PVZ then made a motion to accept the report and it was seconded by John/NG8L, then approved.

**NEW "CARDS AND FLOWERS" CHAIRPERSON:** Kim Carpenter, who has been doing a terrific job filling in for Rowena as the Cards and Flowers Chairperson, is being "let off the hook". It was decided that, since everyone calls the Secretary with information on the sick and hospitalized anyway and then she has to contact Kim, it would save a few extra steps and some time if the Secretary would "officially" take the job. Therefore, if you know of any Club member (full or associate) who isn't feeling the greatest, is hospitalized, or who has passed away (this also includes the death of one of their family members), let the Secretary know! You can contact her (Julie/KB8ZXR) by e-mail at KB8ZXR@aol.com, or call (517) 694-0812 to leave a "brief" message (her answering machine is stingy with time!). Many thanks go to Kim for temporarily taking the job, in spite of her many responsibilities as a working mother.

**CARDS AND FLOWERS REPORT:** Two "Get-Well" cards were sent to Mary Lou Tillitson (one in June and one in July) since Mary Lou had cataract surgery on both eyes. She is doing well and can see much better, even without her glasses. Mary Lou also received a sympathy card because her sister passed away. Please remember to keep Mary Lou and the Tillitson family in your thoughts and prayers as they go through this very difficult time. (DonWB8NUS is also still in a lot of pain with his back, and is contemplating yet another surgery in the near future.)

**BIRTHDAY GREETINGS:** Don/WB8NUS said that he, Mary Lou, Hal/WA8LAY and Betty Bell helped Inez Pearson/KY8V celebrate her 90th birth-

day on July 5th! Congratulations Inez!

It was then suggested by the Secretary that we send a "Special" Birthday Card to those who have reached their 80th or higher birthday. Everyone agreed wholeheartedly. Therefore, if you know of a Club member who is turning 80 or older, be sure to let the Secretary know who

## Yagi antennas for the VHF bands.

The following URL has designs for excellent Yagis designed by Kent Brittain, WA5VJB: <http://www.clarc.org/Articles/uhf.htm>

I have built the 2 meter versions and they can be built in an evening and work great with no tuning. They can be built from common materials found around the house (sorry Groucho) wooden booms, Copper wire and Aluminum rod or wire.

There are designs for all the VHF/UHF bands from 2 meters up to 1296 MHz in the URL.

The one drawback is that they are relatively small antennas; the longest 2 meter antenna is 6 elements. But that is more than 10 dB gain, so it is a good antenna to start with.

If you want to try something longer, the Quagis described in the Handbook are also easy to build from common materials and require no tuning. They will give you 12 dB or so on a 14 ft boom at 144MHz. The wooden boom makes them easy to construct. The NBS Yagis were excellent designs in their day, but have been superseded by modern designs that are computer optimized. Ham Radio published an article on designing Yagis based on the NBS designs in the late 70s. It has much of the information in the NBS circular in a form that is accessible. I can get you the exact reference if you wish me to do so.

Element scaling is straight forward and is included in earlier version of the ARRL Antenna Book. The latest version does not include this information in the text, a major omission in my opinion, but I think a program to scale elements is included in the software included with the book. They just don't explain the "why of the calculation". That program may also be on the ARRL Web site, another reason to become an ARRL member.

The Brittain Yagis and the Quagis are good places for a beginner to start building VHF/UHF antennas. The designs are proven, easy to reproduce and perform well. They are probably within a dB or two of optimum gain for the boom length used. The Brittain Yagis have low sidelobes, an advantage for low noise applications such as satellite work.

I hope that this helps. You can build either of the antennas I have described in a couple of hours tomorrow. Even if you have to take a trip to Builders Square and Radio Shack. Honest. - Dr. Megacycle KK6MC/5

James R. Duffey KK6MC/5  
30 Casa Loma Road  
Cedar Crest, NM 87008

## 1999 Field Day

The numbers are in for the 1999 Field Day, held June 26-27th at Camp Kiwanis, near Mason. The best news is.....the numbers are UP! According to Field Day "Co-Conspirator" Pam Denomme (KB8PSF), "Our final score is 4,506, 890 points better than last year!" Conditions seemed, at least to some, a bit better than in previous years. Sunspots are making it a bit more fun and the first Field Day exercise of the new millennium ought to prove interesting. For more information on Field Day Scores, keep an eye out for the details in an upcoming QST.....and, of course, right here!



# JAMBOREE ON THE AIR (JOTA)

After many hours of trying to get a large scale JOTA, and talking to the right people, who happen to control the scheduling of Camp Kiwanis, our local Boy Scout council (Cheif Okemos Council) will be hosting their fall weekend camporee on the same weekend as JOTA at Camp Kiwanis. As many of you are aware, this camp is where CMARC holds it's yearly Field Day. There is going to be upwards to 100 scouts or more, this will take a major undertaking by many hams to accomplish this task. The commitment to staff this event will include providing the day's events (Saturday October 16th) for their camporee which would be based around the JOTA theme. A Boy Scout troop will be there to assist, however, we will need Amateurs to run the radio equipment, etc. I feel that this would be an excellent opportunity for us as a club to give back to the organization from which we are able to aquire the use of their facilities for our Field Day excursions.

My vision is that we would set up similar to field day with multiple transmitters and modes. I would also like to stress the capabilities for Scouts to obtain their Radio Merit Badge which would entail some instructing and demos on electronics, etc. I would also like to offer to them the opportunity for those Scouts who prepare in advance to take their Amateur Radio test on site if possible. This would entail that a VE test session be organized to do so. If enough volunteers could be amassed, we could offer some preliminary morse code classes throughout August and September leading up to the event. This could really help to promote Amateur Radio. If anyone is interested in becoming involved in this fabulous opportunity, please contact Bill Schmidt KB8ZRE at [whs@lbwl.com](mailto:whs@lbwl.com) or by phone in the evenings at (517) 682-4153.

## The Great Lakes Division

Web Pages have moved. The new address is:

<http://www.MrRace.Com>

From there you can jump directly into the Division Web Pages using the red box on the upper left corner of your screen. The old address <http://facops.albion.edu/ARRL/> will direct you there as well, automatically after a 20 second delay.

As you can probably see from my new Web Site, I am moving into some new areas as well as exposing some areas that I have been working in for some time. Keep an eye on the MrRace.Com page, as there will be new items appearing there from time to time. Although they may not all be of Amateur Radio interest, you may find some of the areas helpful and interesting as well. I invite you to look around. You may find items there that interest you as well.

My ARRL EMail address will remain valid as: [WB8BGY@ARRL.ORG](mailto:WB8BGY@ARRL.ORG)

I can also be reached at: [GRace@MrRace.Com](mailto:GRace@MrRace.Com) and [WB8BGY@MrRace.Com](mailto:WB8BGY@MrRace.Com)

Please get the word out on the new Division Web Site address. If you have a Club Newsletter, I would appreciate it if you could get it published there as well.

As the Web Pages had to have extensive modifications to make the move, there may be some things I may have missed. If you detect any problems with the new pages, please drop me a line and let me know what you found wrong.

Thanks and 73...George Race

## JULY'S VE EXAM RESULTS

CMARC's 4th VE exam session of the year was held on Saturday, July 10 in the Kropschot room of the Lansing Red Cross. There were 5 examinees present, and 4 successfully passed the exams they were aiming for. Three of the four examinees passed the elements necessary to become Technicians. They were Charles Hoffmeyer, James Burlison, and 10 yr.-old Casey Bennett.

All four were truly elated with their exam results, but "elation" was accompanied by "surprise" when it came to Casey, who had studied only for the Novice written. We all encouraged him to at least "try" the Tech exam, and he was glad he did, because he passed it! Casey is probably still walking on air, and I'm sure his Dad, Michael Bennett/KC8LPL, is still up there in the clouds with him!!

The fourth examinee was our very own ex-Under 22 Director, Jaymes Kenyon/KC8DJH, who passed both written and code elements to become an "overjoyed" General! Congratulations to each of you on a job well done. (The VE team felt really bad for the fifth examinee, who did not pass his exam. However, upon discovering that he had been studying from an outdated "Now You're Talking", he said he would get a new edition of the manual, and would be back to try again!)

The Volunteer Examiners who conducted the testing session were: Larry Nordeen/N8VEN (Liaison), Don McLain/KB8RAD, Joe Denomme/N8VYS, Gus Kouklis/K8KU, John Kreer/WA8ZTQ, and Dave Humphreys/N8WTH. Also present was non-VE "helper", Julie McLain/KB8ZXR. A big "Thanks" to each of you for volunteering your time and efforts in another successful VE session!

Julie McLain/KB8ZXR-Secretary

# For Your Consideration...

For more than 18 months now, I have enjoyed serving the Central Michigan Amateur Radio Club as its President. I've learned a great deal from the members, as well as the Board in that time and I believe we have made great leaps toward making our Club more fun for everyone. No, we are not perfect, but we have moved forward faster (in that time) than any Board in the last 5 years of my association with CMARC. Not to detract a single thing from the previous Boards, mind you.

In this little space, I have shared my hopes and dreams for our Club with you, but now I must use it for something equally important... to desire to keep CMARC moving in the right direction. I truly hope you find my words acceptable, as I do not wish to hurt feelings.

In the last five years, I feel comfortable in knowing I've tried to be as active as I could in CMARC. Working SKYWARN, walk-a-thons, races and toy distribution has been a thrill for me, since I enjoy meeting the public. Kinda like an old shoe, I guess. It gave me opportunity to show them that Amateur Radio is a worthwhile endeavor. But it cannot end there. Getting involved, to the degree one is able, is important to our Club.

We recently lost a helping hand for the SCOPE crew and we've been hard pressed to find a replacement for them. This job entails a few hours a month for collating, labeling and mailing....yet no one is willing to step forward for the task. Well, I am asking again. If necessary, I will beg, but I would rather just kindly ask for a helper. As we get closer to HamFair, time will be even shorter for those on the Board, so please, please, please-if you can help us out, get in touch with either myself, or John (N8LLC). You will find both our numbers in this newsletter. We can be flexible, to some degree, on when it gets done, but we NEED help NOW! If we don't get the help, the SCOPE will continue to be late and that is something I would rather not see.

Effective January 1, we have also been notified that Cary (KCSJKA) and Kim Carpenter will no longer be able to compose the SCOPE. As many of you know, following the passing of Rowena Elrod (KA8OBS), Cary and Kim stepped up and took on the task of doing our newsletter....and Cary was newly licensed. We are appreciative of his help and will miss his work. Who could forget the infamous "Tutu" issue? I know I couldn't.

In any event, I have decided not to seek a second term on the CMARC Board and have offered to take this duty on, once Cary is done. With John (N8LLC) and myself, we hope to continue in Cary's example-bringing you one of the finest newsletters ANYWHERE. We trust you will agree and we thank Cary and ask that you do so, either by email, or snail mail, or in person.... but please do so before he is done. In the final analysis, Cary showed us that it could be done!

# Classifieds & Special Announcements

## Corunna VE Testing

On the 4th Thursday of the month  
at the Red Cross in Corunna, MI  
(except for July, Nov. & Dec.)  
Call in frequency is 147.020 +

***On August 19***

from 0900 to 1200 hours the  
Ingham County RACES group will  
be using the 145.539 repeater for  
a simulated emergency exercise.

## Y2K Testing

If you would like to run a quick and dirty Y2K  
compliance test for your computer, visit this web  
site address: [http://www.ihls.com/  
y2k.htm?BS=BS990719\\_28014.28212959](http://www.ihls.com/y2k.htm?BS=BS990719_28014.28212959)  
73, Hans KOHB/4ID

## GoList.

Very interesting and useful tool  
<http://www.itis.net/golist/>

## For Sale

Two 27-foot aluminum sailboat masts. Great for  
antenna masts. Free-standing, 98lbs. each, 5-  
inch base to 3-inch top. Can take extensions.  
About \$800. each (originally cost \$2,000. each  
new). Contact Bill Cote' - WD8NYW at (517)  
484-0657 or [cote@pilot.msu.edu](mailto:cote@pilot.msu.edu).

## 1999 CMARC MEETING

### DATES

**August 6th, September 10th, October 1st,**  
**November 5th** - Nominations, **December 3rd** -  
Election of officers

### August Birthdays & Anniversaries

- 3 - Joe Denomme/N8VYS's 57th Bday!
- 4 - Phil Dowker/KC8FXS's 40th Bday!
- 4 - Marc Rosenthal/WB8FV and Wife's Anniv.!
- 5 - Jaymes Kenyon/KC8DJH's 16th Bday!
- 6 - Roger Jackson/N8SGV's 63rd Bday!
- 7 - Douglas Risdon/KM8P and Wife's 38th Anniv.!
- 10 - Jack Wiswasser/WA8IAL and Wife's 42nd Anniv.!
- 11 - John/AA8LF and Nancy/AA8NC Kelly's 15th Anniv.!
- 11 - Don/KB8RAD and Julie/KB8ZXR McLain's 26th Anniv.!
- 15 - Michael Baird/KC8LJD and Wife's Anniv.!
- 15 - Jeff/KB8SXX and Kathy Oberg's 19th Anniv.!
- 15 - Tom Simmons/KB8GVE and Wife's 35th Anniv.!
- 18 - Steve Dible/K8JNP and Wife's 31st Anniv.!
- 21 - Richard Stortz/K8JNZ's 70th Bday!
- 26 - Don/WB8NUS and Mary Lou Tillitson's 49th Anniv.!

## Lansing V.E. Test Dates

Testing is held at the Lansing America Red Cross, in the Kropschot Room  
at 1800 E. Grand River; Lansing, MI 48909

Pre-registration starts at 9:30am and testing starts at 10:00am for the following dates:  
Mar 13, May 8, July 10, Sept. 11 & Nov 13, 1999

VE Team's local contact is Joe Denommee-N8VYS at (517) 589-5263

# Ham WORDS

BY WA8LAY

## Word list



ACID	CYCLING
ALKALINE	EDISON
AMPLIFIER	EMITTER
BANDS	NEUTRON
BANDWIDTH	NICKEL
BARRIER	OXIDE
BASE	PLATES
BASE	PROTON
BAUDOT	SOLAR
BAY	SPACE
CODE	SULFATED
COLLECTOR	ZINC

L X V E L N G J T C L T B A N  
E D I S O N Z G N Y S P A C E  
M I S F L P U I Q N O S S O U  
I C D T P E E K N I C K E L T  
T A N N S L P K V C O D E L R  
T L A A U Z L L B H P U I E O  
E K B A R R I E R M B M P C N  
R A A A M P L I F I E R Y T A  
Y L U Q N P R O T O N C N E F  
R I D G L D F K X K L O S R U  
A N O A N I W B D I C M O V D  
L E T Y M I E I N S D Z V W V  
O E V V O Y G G D M J E V Y H  
S U L F A T E D D T I Q I G K  
F J Z S Y L W A N P H I H C W

## LCDRA Members as of 5/2/99

Jim Acker-W8NBC  
Dolly Acker-Wright-N8DOL  
Vic Jackson-W9NDM  
Bill Anderson-W8TPQ  
Chuck Keep Sr.-W8CLK  
Jeff Baker-KB8ZQY  
John Kelly-AA8LF  
Julia Baker-KB8DCW  
Jaymes Kenyon-KC8DJH  
Erv Bates-W8ERV  
Jane Law-KC8FSK  
Harold Bell -WA8LAY  
R.E. Lmdberg-WA8ZWR  
Bob Benko-N8TNT  
Chuck MacCluer-W8MQW  
Dennis Boone-KB8ZQZ  
Mike Maiming-N8EUQ  
Jan Bradfield-KC8BFB  
Herb Marsh-WB8CKA  
Cary Bntten-KC8JKA  
Bill Matthews-KB8TTS  
Dan Canton-NSVKV  
David McAlpine-WD8LVZ

Paul E Carpenter III-KB8YQW  
Arnold McCardell-KI8AJ  
Ralph Chaapman-WA8NHI  
Darlene McDamel-KB8YYM  
Donald Clark-N8XME  
Don McLain -KB8RAD  
Forrest Clark-N8PWD  
Julie McLain-KB8ZXR  
Keith Colister-K8CWQ  
Charles McNease-N8CM  
Bill Cote-WD8NYW  
Ron Meddaugh-KB8MUN  
Don Cote-KD8BD  
Les Mitchell-W8WLQ  
John Crawford-N8LLC  
Doug Morgan-N8OBZ  
Troy Creed-W8TCC  
Scott Newfer-N8SRN  
Joe Denonime-N8VYS  
Jeff Obeng-KB8SXX  
Pam Denomme-KB8PSF  
Joseph Oranchak-WA4KPQ  
Don Devendorf-W8EGI

Dave Parker-W8N8H  
Steve Dible-W8CRH  
Inez Pearson-KY8V  
Phil Dowker-KC8MXS  
Dick Pennington-W8SFA  
Ron Edwards-W8RYZ  
Juan Pizano-N8YQR  
John Fairbank-KC8HGB  
Don Rickerd-W8BQD  
Thomas Feiten-KC8WGO  
Ralph Riggs-N8YQJ  
Ed Fitzgerald-N8FPR  
Doug Risdon-KM8P  
Russ Fitzgerald-N8FZ  
Henry Schepperly-W8UNQ  
Bernard Gaffney-N8PVZ  
Jodi Schmidt-KC8ADO  
Roger Goodman-KB8YQX  
Bill Schmidt-KB8ZRE  
Douglas Goodrich - N8ECL  
Tom Simmons-KB8GVE  
Michael Hagen-KC8LLY  
Glenn Sommerfeldt-KG8LE

Clint Hannahs-KC8EHR  
Alton Stoddard-KD8MB  
Roxanna Hannahs-KC8GAK  
Dick Stortz-K8JNZ  
Dan Hanger-W8BCI  
Randall Stortz-KC8IHV  
Marlene Harger-KC8GXO  
Don Tillitson-WB8NUS  
Fred Haning-KF9U  
Bob Trimback - K8RBT  
Jim Harvey-KA8DDQ  
Roy Uchigashima - N8GAQ  
David Held-N8CFM  
Garty Watson-KC8MAD  
Donald Hill-KB8HZJ  
Brent Williams-WB8TRL  
Lowell Hoyland-KC8ARG  
Jack Wiswasser-WA8IAL  
Ed Hude-WA8QJE  
Roger Young-KC8CGH  
Marilyn Humphreys-N8DEH  
Steve Hunt-KB8UKC

# Show Your Support in Amateur Radio And Join Today! CMARC & LCDRA

## Join Today!

### CENTRAL MICHIGAN AMATEUR RADIO CLUB, INC.

As a licensed Amateur, you can **sign up today** as a 'Full Member'. As a full member of 'CMARC', you will receive voting rights and yearly subscription to "The Scope". "The Scope" is filled with club news, special interests and events.

**Sign up today** as an 'Associate Member' your membership includes a yearly subscription to the "The Scope" (*No voting rights as an 'Associate Member'*).

Name:

Call:

Address:

City:

State:

Zip Code:

Phone No.:

Class:

ARRL:

Your Birthday:

Your Wedding Anniversary:

Full Membership\* - \$10. per year Associate Membership - \$5. per year  
\* You MUST be a licensed 'Amateur' to obtain 'Full Membership'

Mail your check or money order to:

John Ingraham-NG8L, Membership Chairman  
2807 Greenbrair Ave.; Lansing, MI 48912

## Join Today!

### LANSING CIVIL DEFENCE REPEATER ASSOCIATION

As a licensed Amateur, you can **sign up today** for only \$15. As a member of 'LCDRA', you will receive a yearly subscription to "The Scope". "The Scope" is filled with club news, special interests and events.

**Sign up today!** Use of the repeaters does not require a membership, but your support will be greatly appreciated.

Name:

Call:

Address:

City:

State:

Zip Code:

Phone No.:

Class:

ARRL:

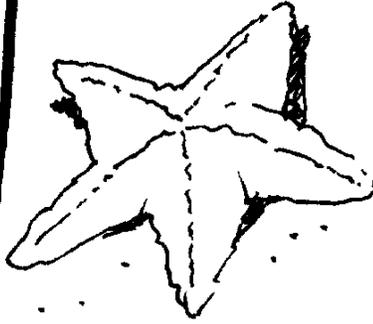
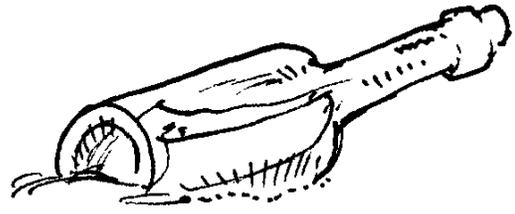
Your Birthday:

Your Wedding Anniversary:

LCDRA Membership - \$15. per year (add a family member at \$7.50 per person)  
(Dues cover your annual membership from January to January)

Mail your check or money order to:

LCDRA  
P.O. Box 80106; Lansing, MI 48908



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Lansing, Michigan 48909-7321

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Central Michigan Amateur Radio Club

# *THE SCOPE*

Lansing Civil Defense Repeater Association

Serving Our Community Since 1927

