

# A New Look for the New Millennium - July, 2000



Central Michigan Amateur Radio Club

## THE SCOPE



Lansing Civil Defense Repeater Association

[www.qsl.net/cmarc](http://www.qsl.net/cmarc) **79 Years of Service to Our Community!** [www.qsl.net/lcdra](http://www.qsl.net/lcdra)

## Field Day Weekend- Always A Blast!

Another Field Day has come and gone, leaving local CMARC and LCDRA members (and visitors alike!) with good memories, new ideas for operating and a full belly! As we have seen in the past, the regulars turned out en masse, as well as our regular "drop-ins", other curious folk and some media types...but then *all* are welcome.

Operating Four-Alpha this year, Field Day Ops enjoyed good to excellent conditions and decent weather for the 24 hour operating period, though it was a bit warm and humid, with daytime highs in the low 80's

Operators for Field Day 2000 included: (HF Phone) John <N8LLC>, Tyler <KC8LWG>, Scott <WD8SDW>, Erv <W8ERV>, Clint <KC8EHR> and Don <KD8BD>. Assisting with logging, Tim Crawford, son of John <N8LLC>. (HF CW) Joe <N8VYS>, Roy <N8GAQ>, Larry <N8VEN>, Bill <W8TJQ>, Don <W8EGI>, Chris <KC8CAJ> and Don <KC8CY>. (Novice/Tech Station) Tyler <KC8NSB>, Lucas <KC8OTY>, Pam <KB8PSF> and Mike <KC8FCA>. (UHF/VHF) Jim <KA8DDQ>, Ken <KC8OIL> and Rod <KC8HGF>. (Solar) Gregg <WB8LZG>.

Several others showed up for the annual event, but the above were recalled from memory only. At press time, we didn't have a copy of the attendees, so please forgive us if you don't see your name listed here. We know you were there and we appreciate your support

and hard work.

In addition to the fine turnout and decent band conditions, Field Day operators were treated to excellent food from members, as well as goodies from A&W in Mason. We also had media visitors on early Sunday afternoon from WILX TV 10, as well as the Lansing State Journal. Copies of the LSJ article will be available at the meeting and we plan to have a chance to view the video of the news report from John Craig. Our thanks to both John and Katie (LSJ) for their help in telling area residents about our operation.

We also welcomed several Boy Scouts to the operating areas during the first part of the event. It's always fun to get a chance to "show off" for the troops when they are on the grounds.

Photos of Field Day 2000 will be available (if they aren't already) on the CMARC site.



Under 22 Rep., Tyler Head (KC8LWG) hauls 'em in during the early morning hours of Sunday at Field Day 2000

# National Amateur News

All National News courtesy of the ARRL Letter

## FCC'S HATFIELD TELLS HAMS TO "WALK THE WALK"

The FCC's Dale Hatfield, W0IFO, predicts a bright future for Amateur Radio. But the Office of Engineering and Technology chief says that amateurs "will be under a certain amount of pressure" to justify their free use of the radio spectrum. As a result, he said, it will be more important than ever that hams actually fulfill their service, good will and educational roles—not just talk about them.

Hatfield offered his observations as keynote speaker for AMRAD's 25th anniversary dinner June 17 in Virginia. Hatfield told the gathering, "the key issue for the amateur service is maintaining access to an adequate amount of spectrum." While emphasizing that he was not suggesting any immediate threat, Hatfield said hams will have to do a better job of justifying their current allocations.

Hatfield said hams should actually engage in experimentation to advance the state-of-the-art, provide communication and train operators for emergencies, encourage international cooperation and good will, and offer an important technical educational outlet. "Or, to use a bit of slang, it seems to me that it will be even more important for all segments of the amateur community to 'walk the walk' not just 'talk the talk'," he said.

Hatfield encouraged his audience to explore advanced techniques that conserve spectrum, especially digital techniques. As the rest of the telecommunications world transitions to digital techniques, Hatfield said, "the amateur service will look antiquated if it is not making progress in that direction as well."

Hatfield also said software defined radios could facilitate "a new era of amateur experimentation" and, in many ways, represent "a final merger" of radio communications and computers.

The text of Hatfield's prepared remarks is available on the FCC Web site at <http://www.fcc.gov/Speeches/misc/dnh061700.html>

## MUSEUM SEEKS DONATIONS FOR GOLDWATER HAM EXHIBIT

The Arizona Historical Society Museum is seeking donations to reconstruct the well-known Amateur Radio station of the late Sen Barry Goldwater, K7UGA. Goldwater's amateur equipment, memorabilia and furnishings were donated last year to the Society's museum in Papago Park in Tempe.

Director Reba Wells Grandrud said the museum will need \$77,000 to set up a "high-quality exhibit" of the massive station console and equipment "as the late Senator used it." The museum's display designers likely will use digital photographic techniques to replicate the interior of the original room as well as the desert views seen from the windows, "to make it feel like you're walking into Barry Goldwater's ham shack, Grandrud said.

It's not likely the Goldwater museum station will be operational, but Grandrud said the museum might "simulate" an operating setup for the sake of visitors. Grandrud said the museum will be putting the exhibit together between now and February.

The K7UGA station equipment and console were removed in May from the Goldwater home in Paradise Valley, Arizona, which has been sold. Before it was dismantled, museum personnel photographed the setup and inventoried and cataloged all of its components.

Goldwater's station and massive antenna system were used to complete thousands of phone patch messages for troops dur-

ing the Vietnam War. Goldwater died two years ago. The K7UGA antennas since have been sold to private buyers and will not be a part of the museum exhibit in Tempe.

Donations in support of the Goldwater station exhibit are welcome to Reba Wells Grandrud, Arizona Historical Society Museum at Papago Park, 1300 N College Ave, Tempe, AZ 85281

## ANTENNA DESIGNER LOUIS VARNEY, G5RV, SK

The Amateur Radio world is mourning the loss of R. Louis Varney, G5RV, who invented the world-famous G5RV antenna. Varney died June 28, at his home in West Sussex. He was 89 and had recently been reported in failing health.

The G5RV multiband wire antenna for HF—typically 102 feet on the flattop section—is among the most popular of all antenna designs. Varney first described the G5RV in the November 1966 issue of the RSGB Bulletin. While models fed with coaxial cable have proliferated, Varney's personal recommendation was to use a balanced feed line and a matching network for bands other than 20 meters. (The G5RV dipole is discussed in Chapter 7 of The ARRL Antenna Book.) Varney had a full-size and a double-size G5RV, both fed with open-wire feeders, at his own station.

Varney was an RSGB member for 74 years, and he served as life president of the Mid-Sussex Amateur Radio Society. His wife Nelida is among his survivors. Services were set for July 4 in Brighton, England.—thanks to Bob D'Imperio, N4XAT, and RSGB for this information

*Amateur Radio-It's Anything  
BUT Amateur!*

# News From Around Town

*Including Meeting Minutes from CMARC & LCDRA*

## Big Changes Coming in Local Emergency Management

*County EC Outlines Plans for  
the Future*

It's not very often that I write an article to be placed in the SCOPE. In the near future there will be more, written about the local Amateur Radio Public Service Corps (A.R.P.S.C.) This group incorporates three groups, and the training for the groups are together. The groups are A.R.E.S., N.T.S., & R.A.C.E.S.

I was asked to be the county E.C. and I was very excited and eager to accept. I didn't know what my responsibilities were, but from things I had heard at the time, I knew it was something I wanted to get involved in. I later appointed Cary Britten as an Assistant E.C. That made one E.C. and three assistant E.C.'s. Later, Bill Anderson, Cary Britten and myself went to an E.C. Orientation. There I learned that more assistants were needed. It was recommended to have at least 5 Assistants. WOW !!!!!!! I couldn't believe it.

Well, I needed an Assistant E.C. as my liaison for SKYWARN. That was an easy one. I wanted someone whom I KNEW would fulfill the obligations and be a good leader in that area. Someone who knew more about meteorology than any one I could think of. Of course, I asked Jaymes Kenyon KC8DJH. He accepted and we got him rolling. He has been running with this like a mad man. He has developed a preamble for the Standby Nets, as well as the Fully Activated Nets. He's got a method in place

for running it neatly and organized and he constantly develops things as time passes. Jaymes will be the primary Net Control Operator and has been endorsed by both Don Tillitson (WB8NUS) and the National Weather Service. As time moves forward, there will be better SKYWARN trainings. We have an EMWIN system up and running at the Lansing E.C.C. and we gave it a try. During the last storm that moved through, Bill and Jaymes were at the Lansing E.C.C. Bill was the Lowell Liaison and Jaymes ran the net. That eliminated the traffic between the two, leaving more available airtime for emergency traffic. Also, they had up to date warnings and such posted on the EMWIN system. He can also watch the storm as it moves in the area. In time, this same system will inform us of severe weather, via our pagers and also will serve as a relay station. This will allow the net to have the flexibility to be run from nearly anywhere with the same capabilities.

I also asked Lowell Corbin to be an Assistant E.C. He accepted. He is the Liaison for our NTS. This is a rather new area for appointment and for myself as well. We will be checking into state net(s) and handling emergency traffic. Lowell brings with him great experience for this, because he was at one time a District Emergency Coordinator. We will be developing our nets in proper traffic handling methods. Correct phonetics and prowords are necessary. But of course, we don't all know how we should be the most effective in handling any type of traffic. Including myself, I am learning many things that I have been doing wrong. But it is sooooo exciting to learn and to help. We are finding that we are needed more than we had imagined.

I could go on forever, but I don't want

to take up the entire SCOPE. I hope to be able to express what is happening in A.R.P.S.C. to each and every person. We definitely could use more help. I hope to see every one there.... honestly....everyone :)

Also, just to let everyone know who the E.C. and Assistant E.C.'s are.....

**E.C.: Clint Hannahs (KC8EHR)**

**Asst. E.C.'s:**

**Cary Britten (KC8JKA)**

**Roy Uchigashima (N8GAQ)**

**Bill Anderson (KA8TPQ)**

**Jaymes Kenyon (KC8DJH)**

**Lowell Corbin (W8IQB)**

Thank-you so much for reading and God bless.

*In Christ,*

*Clint Kelly Hannahs (KC8EHR)*

## Car Washes Net \$190

Thanks to the efforts of our Under 22 members, as well as a few industrious Over 22 members (and one friend of KB8TTS', as well as his YL, Margaret)...not to mention the generosity of "The Repair Depot", HamFair2000 is nearly \$200 ahead already!

Slingin' suds for the June 3rd event were: VP Steve (W8CRH), HamFair2000 Chairperson, Bill (KB8TTS) and his Wife, Margaret, Under22 Director, Tyler (KC8LWG), Lucas (KC8OTY), Director, John (N8LLC) and his son, Tim, Julie (KB8ZXR), Don (VA3DJL), Ing. Co. EC/LCDRA President, Clint (KC8EHR) and his son, Brent and CMARC President, Erv (W8ERV). Proceeds that day, in total were \$162, but supplies totalling \$32 were repaid,

leaving \$130.

On the 17th, the troops returned to "The Repair Depot" for a repeat. On hand were: Bill (KB8TTS) and his friend, John Ward, Tyler (KC8NSB), Lucas (KC8OTY), Newly-Minted Ing. Co. Asst. EC, Jaymes (KC8DJH) and Julie (KB8ZXR). Results of this event, while considerably smaller, were probably due in large part to the fact that there was a competing car wash just down the road, not to mention the fact that Erv wasn't there this time in his Speedo! (who wrote that?) A total of \$60 was raised this time, for a grand total of \$190.

We want to thank "The Repair Depot" gang for the great support and the free hot dogs. The location was good and the water was cold (thanks, Brent!). We also want to thank some of the CMARC members who came out for these car washes...and gave some "extra" for our efforts. To the ACC employees (Erv's co-workers), to Bill (KB8TTS) for organizing all of it, to Julie for making the confirmation calls and finally to Roger (KC8CGH) for bringing the kids around for us. Congratulations on a job well done!

## LCDRA MEETING

*APRIL 20, 2000*

At 7:35 p.m., Don/N8XME called the meeting to order with the following officers present at the meeting: Don, Scott/W8SRN and Harold/WA8LAY. Brad/KA8RAD, Clint/KC8EHR, and Gene/N9XAM were excused. The following members also attended the meeting: Cary/KC8JKA, Dan/W8BCI, Tom/KC8NJK, Don/WB8NUS, Don/W8BQD, Hazel/K8KXSX, Randall/KC8IHV, Ralph/N8YQJ, Dan/W8BCI, Jim/KA8DDQ, and John/

AA8LF.

### Old Business

First, Scott/W8SRN gave the secretaries report. Dan/W8BCI moved and Don/W8BQD seconded the adoption of the report. The motion carried. In Gene/N9XAM's absence, Don/WB8NUS gave the treasurer's report. Dan/W8BCI moved, and Scott/W8SRN seconded the adoption of this report as well. Motion carried.

Next, Dan/W8BCI reported that Abe/W8HVG purchased equipment so we could have a remote receive site for the Link in the Lansing area. The receiver site would use a 70 cm transmitter back to Onondaga and would be located at Ingham Medical Center so we could utilize the antennas already in place. Abe believed that cost for this unit will run less than \$200. In order to help ensure that this installation would go smoothly, Don/W8BQD moved that we donate \$200 to the Independent Repeater Association to help defer the cost. Tom/KC8NJK seconded. Motion carried.

Tom/KC8NJK reported the City's Emergency Management Committee met on April 18, 2000, and they loved the ATV repeater idea. In order to cure the security problem, the Committee decided to use 70 cm. from the field to the repeater site and 1.2 GHz. to the remote sites at the EC and the Ingham County Sheriff's Department. Tom said that we needed to coordinate the frequency pairs for these services and that Rohn Tower needed to certify that the existing tower would hold

the feedline/antennas needed for this repeater. Last, the City's Radio Lab wanted to run a quick intermod study to ensure that the new equipment would cause any interference to the City's equipment. Last, Don/N8XME again introduced the plan to move the meetings back on a quarterly schedule. Scott/W8SRN agreed that we could get back on the old schedule by having the next meeting in July 2000. Dan/W8BCI moved that the Association move its the meeting schedule back to quaterly and John/AA8LF seconded. Motion carried unanimously.

### New Business

Dan/W8BCI stated that due to problems with interference, the organization may want to PL the input of the 146.70. As usual, many amateurs in the area do not have tones on their radios. As well, this repeater is the home of the local autopatch. Due to these concerns, the matter was tabled.

Don/WB8NUS asked for volunteers at various upcoming public service events. Don asked that anyone interested in the following events contact him: (1) MS Walk on May 7<sup>th</sup>; (2) MS Bike-A-Thon on July 15<sup>th</sup> and 16<sup>th</sup>; (3) the Magic Ride on June 10<sup>th</sup>; and (4) Women on Wheels on July 22<sup>nd</sup>.

Don/N8XME reported that Forrest/N8PWD's wife Joyce died after a sudden and short illness. The members of the Association extend their condolences to Forrest and his family. Per custom, CMARC will arrange for the flowers.

Dan/W8BCI was happy to inform the Association that WILX-TV, Channel 10, will again use the local SkyWarn personnel this year to supplement their local storm coverage. In fact, the station will put up a 70 cm. antenna so those present at the station will be able to contact the SkyWarn people in Eaton County for information pertaining to incoming storms. Again, the primary Weather Bureau frequency will be 145.27 MHz. with a PL of 94.8 Hz. and a secondary frequency assigned to 147.26 MHz. with a PL of 94.8 MHz. as well.

John/AA8LF inquired into the apparent interference between the 146.70 and the 146.94. John informed the group that he and Cary/KC8JKA determined that one could cause the interference with as little as 2 watts. Dan/W8BCI hypothesized that the problem actually may be a telephone wire on the 146.70's controller that was left outside the cabinet. Dan will coil this wire up and place inside the cabinet as soon as he can. Hopefully, this simple fix will cure this recent problem.

John/AA8LF also wondered if the Association was going to put a proper 70 cm. controller on the 145.39. Right now, this repeater uses a telephone control instead. This matter was tabled until Dan/W8BCI can get to the problem.

As no new business was forthcoming, Scott/W8SRN moved that we adjourn the meeting. Don/WB8NUS seconded the motion. With no surprise, the motion carried.

*Respectfully submitted,  
Scott R. Newfer/W8SRN  
Secretary*

## CMARC BOARD MEETING

*JUNE 2, 2000*

Secretary Julie/KB8ZXR brought the Board meeting to order at 7:35 p.m. She had been asked by President Erv/W8ERV to chair both of tonight's meetings since he had to work. In attendance at the Board meeting were Directors Don/KB8RAD and John/N8LLC, Treasurer Pam/KB8PSF, and Steve Dible/W8CRH, our new Vice-President (see May 13<sup>th</sup> Special Board minutes). "Under 22" Director Tyler/KC8LWG was not present at either of the meetings.

Since Steve was new to the Board, the Secretary had agreed to also chair the regular CMARC meeting following. However, when Steve said he wouldn't mind handling the main program if she would help out where needed, she *gladly* turned the job over to him. The Board then discussed the items that needed to be covered in the main meeting tonight (see CMARC Meeting minutes for more details).

The Secretary reported that she had contacted the Red Cross about our concern that the locks on the A/B room, Media room, and Club Station room may need to be changed (see the May 13<sup>th</sup> Board meeting). She also said that the person she initially spoke with had NOT got-

ten back with her, and hasn't been available the many times she called back. She will keep trying to get an answer and report back at the July meeting.

Having completed all of the business at hand, Don/KB8RAD made a motion to adjourn. The motion was seconded by John/N8LLC and approved. The Board meeting adjourned at 8:01 p.m.

*Julie McLain/KB8ZXR-Secretary*

## CMARC MEETING

*JUNE 2, 2000*

President Erv/W8ERV, who was excused for work, had asked Secretary Julie/KB8ZXR to chair tonight's meeting in his absence, so she brought the CMARC meeting to order at 8:08 p.m.

She then informed the membership that Vice President Bill/KB8TTS had resigned from the Board in May. He felt that he just couldn't give his best to the position of Vice President because he has been extremely busy, what with holding down three jobs, as well as serving as Ham Fair 2000 Chairman, AND trying to spend quality time with his family. The Secretary told the group that the Board had thanked Bill for the many valuable ideas and hard work he had contributed in his role as CMARC's Vice President in the past 1½ years, and though they regretted that he had to leave, they fully understood and respected his decision. (Bill said he definitely

wanted to stay on as Ham Fair 2000 Chairman, and felt that by not having to serve on the Board as well, he would have more time to put towards making Ham Fair 2000 the best one ever!

The Secretary then told the members that when the Board had learned of Bill's intention to resign, they had contacted Steve Dible/W8CRH about the vacancy, and Steve had not only graciously volunteered to fill the position on the Board for the remainder of Bill's term, but had also agreed to serve as Vice President. The Secretary then introduced Steve as the Club's new Vice President (at least until elections in December – per the Bylaws). After the members warmly welcomed Steve with a round of applause, he chaired the remainder of the meeting.

There were 32 members and 4 visitors in attendance at tonight's meeting. Our **VISITORS WERE:** Lucas Schaar (who passed his Technician exam on May 13<sup>th</sup> and is still waiting for his call sign), Victor/N8LNA, Mark Francis, and Ken Norton/KC8OIL. **UPGRADES:** Those upgrading to Extra Class per the FCC's new license restructuring (i.e., MINUS the 20 wpm Morse Code requirement) were: Joe/N8VYS, Mike/KC8DBP, Bernie/N8PVZ, Chuck/WD8MBB, and Carl/K8YHH. Those upgrading to General per the restructuring (i.e., MINUS the 13 wpm Morse Code requirement) were: Garry/KC8MAD, John/N8LLC, and Mark/N8DEF. **INTERESTING CONTACTS:** Chuck/WD8MBB said he talked to Finland and Germany on

17 meters using his mobile rig.

**ANNOUNCEMENTS:** (1.) On Saturday, June 3<sup>rd</sup> from 11am to 4pm, we will be having a Car Wash at "The Repair Depot" located at 3021 S. Cedar, 2 blocks N. of Holmes. The cost is only \$4.00 per car and ALL profits will go to the Ham Fair 2000 Fund. The owner of The Repair Depot, Chad Lupnitz, is giving away FREE Hot Dogs to everyone that comes in to get their car washed. (2.) Saturday, June 10<sup>th</sup> will be the "Magic Ride" in Holt. Volunteers are still needed, and if interested in helping, please contact John/N8LLC at 393-2336. He will greatly appreciate your assistance—even if it's only for an hour or two! (3.) Saturday, June 17<sup>th</sup> from 11am to 4pm, will be having another Car Wash at "The Repair Depot" (same location as above). Again, the cost is only \$4.00 per car and ALL profits go to the Ham Fair Fund. We will, once again, be giving away FREE Hot Dogs to all those getting their vehicles washed. And as the Bible says, "... The laborer is worthy of his reward", so all those helping to wash cars will also have their lunch provided for free! (3.) The Michigan Antique Radio Club will be meeting at the Holiday Inn South on July 6<sup>th</sup>, 7<sup>th</sup>, and 8<sup>th</sup>. A.C. Stoddard/W8KLN, who has built about 200 Heathkits and is known as the "Heathkit Kid", will be speaking each night at 7 p.m. His topic will be, "More than a little bit about Heathkit". (4.) A Ham Fair fundraiser is being planned for July 14<sup>th</sup>, 15<sup>th</sup>, and 16<sup>th</sup>. We are waiting for a letter from the British Isles,

an Okemos restaurant, giving us approval to have the fundraiser in their parking lot, before we proceed with our plans.

**CARDS AND FLOWERS REPORT:** Get-Well Cards were sent to Ben Hassel/W8VPC, Marlene Harger/KC8GXO, Doris Lycos (Pete/KM8K's wife), and Debbie Reed. A Thank-You card was sent to Donna Enfield (Don/WB8NUS and Mary Lou's daughter) for providing the flowering plants given away at Ladies Night. Leo Smith/W8SSK sent the Club a Thank-You card for the donation we made to the American Cancer Society in honor of his wife, Barbara Jane, who passed away in December.

**OLD BUSINESS:** Since the Scope was late again and was not received by the membership in time for tonight's meeting (it will, however, be mailed out on June 5<sup>th</sup>, per President Erv), the Secretary's Minutes and Treasurer's Report will be voted on at the July meeting. *[Secretary's Note: There have been complaints lately that Erv/W8ERV, Scope Editor, has not been doing his job properly because the Scope has been late for the last few months. I wish to correct this faulty assumption by saying that the person to blame for the lateness of the Scope is ME! Erv has been graciously cutting me some slack and giving me the MUCH-NEEDED extra time to get my minutes in to him each month for inclusion in the Scope. I have been struggling with a Rheumatoid Arthritis flare-up and bleeding ulcer since January. Because of the increased inflam-*

*mation in all my joints, constant severe pain, low-grade fevers, weekly trips to the Rheumatologist, the recent tripling of some of my medication dosages (I'm on a total of 18 different medications!), and "Doctor's orders" of complete bed rest, I have been unable to submit my notes in a timely fashion. I wish to express my sincere apologies for the lateness of your Scopes and hope you will understand... AND forgive. Sincerely, Julie/KB8ZXR-CMARC Secretary]*

**(1.) CMARC'S 50<sup>th</sup> ANNIVERSARY WITH THE ARRL** - There were 192 contacts made at the Special Event Station celebrating the 50<sup>th</sup> Anniversary of CMARC's affiliation with the ARRL. If you were one of them, please get your QSL card to Ken Faiver/W8HNI as soon as possible. The first batch of certificates will be available at July's meeting.

**(2.) QSL CARDS SENT TO BUREAU AT CMARC'S EXPENSE** - Current CMARC members, who are ALSO current ARRL members, can bring in their QSL cards and have them sent to the bureau at CMARC's expense. Cards MUST be sorted alphabetically by call sign, and the information from your QST label MUST also be included. Cards can be given (at the meetings) to Don Defeyter/KC8CY or Ken Kruger/W8AAX.

### **NEW BUSINESS:**

**(1.) MEETING SPEAKERS** -- At July's meeting, Terry Griner/W8TI will be our guest speaker. Terry's topic will be "Wire Antennas". At

our September meeting, Gregg Mulder/WB8LZG will be our guest speaker and will discuss "Kit Building". At October's meeting we will be going over the last-minute details for our Ham Fair on Sunday, October 8<sup>th</sup>.

**(2.) CLUB LOGO RE-DESIGN CONTEST** - When Dave Birdsley/KF8WS (owner of B & B Embroidery) showed us his wares at the March meeting, it was the consensus of those present that CMARC needs a more "up-to-date" logo for use on any Club hats and jackets that may be ordered. Therefore, we are having a Club Logo re-design contest. Your logos should be streamlined and attractive, and the deadline for submitting them for judging is July 7<sup>th</sup> at the CMARC meeting. The new logos will be displayed (omitting the names of their designers) and voted on by a count of hands. Once a logo is chosen, the design will be given to Dave Birdsley/KF8WS so he can make the template. As soon as the template is made, orders will be taken for Club jackets and hats.

**(3.) ARRL GREAT LAKES DIVISION ASSISTANT DIRECTOR APPOINTED** - Erv/W8ERV has recently had the honor of being appointed to serve under George Race/WB8BGY as the Assistant Director for the Great Lakes Division of the ARRL. Congratulations, Erv!

We took a short break and then had our prize drawings. Our regular monthly **DRAWING WINNERS** were Dave/K8HD, Troy/W8TCC, and Robert/WD8OEV. Our **HAM**

### **FAIR FUND RAFFLE WINNER**

was Carl Canfield/K8YHH, who won a 2-meter/440 duplexer donated by Bill/KB8TTS. The raffle of the duplexer brought in \$45 to be used for the Ham Fair.

Our speaker for the evening was Gregg Mulder/WB8LZG, who discussed a subject near and dear to his heart... building QRP kits! He brought in several homemade rigs and a manufactured one. It was a very interesting program and everyone enjoyed it. Gregg will be speaking more in-depth on building kits at our September CMARC meeting.

After Gregg's presentation, Joe/N8VYS and those members planning to work Field Day discussed their plans for the upcoming week-end event. When there was nothing more to talk about (and no more cookies left!), a motion was made by Bernie/N8PVZ to adjourn. It was seconded and approved. The meeting adjourned at 9:40 p.m.

*Julie McLain/KB8ZXR-Secretary*

### ***From the SCOPE (E)mail Bag:***

Erv,

Just wanted to drop you a line and tell you how much I enjoyed your clubs newsletter!

It is more like a digest and it was just great. Lots of information and I could not put it down. I have seen many club newsletters but your club has the best hands down!

Thank You!

Charles "Chuck" LeMarbre  
W8VOM

Grand Rapids, Michigan

# *For Your Consideration.....*

## *Field Day 2000 and other Ramblings*

What started out as a plea for your support in the upcoming Red Cross/CMARC fund-raiser has been changed to something different. While we had hoped to schedule this fund-raising event for July 14-16, certain steps that were needed to be complete by July 1st went without being done, so I have decided to pull out of it until I can get all our ducks in a row. The last thing we need, as a Public Service entity, is to look foolish.

Field Day 2000 was a blast! That's all I can say. Being my first attempt to pull an all-nighter with the FD Ops, I paced myself and took some rest late Saturday night and then ran from Early Sunday morning (about 0045), until the sun came up, about 0630. I couldn't have done it without the support of John (N8LLC), Tyler (KC8LWG) and Scott (WD8SDW). My generator and rig both got a needed workout and came through with flying colors. But this was just my station setup.

Reports from all over the Field Day area were strong. CW contacts numbering somewhere in the neighborhood of 500 bolstered us and drove us to compete HARD. Against the likes of Bill (W8TJQ), Don (W8EGI) and Ken (W8HNI) <with Chris (KC8CAJ) logging>, as well as the HF Phone magic of Don (WD8BD), we ALL had our hands full. Even Joe (N8VYS) and Roy (N8GAQ) had to take a breather, but it showed us how the "Good Ol' Boys" do it! Talk about teaching us some new methods. These guys were banging the code through the night, virtually nonstop. It gave us a greater appreciation for their hard work, excellence and dedication.

And then, there was Pam (KB8PSF), who drove herself nearly all night, too. Her duties included cooking, cleaning, chasing gas for the generators, assisting in the Novice/Tech operation, assisting with setting our computers up for logging and other various and sundry chores. We owe her an additional debt of gratitude and she has only proven again why she was recipient of the Ziegenbein this year! Thank you, Pam.

Of the many who came, our visitors Sunday morning were most welcome. A news crew from WILX TV 10, as well as Katie from the Lansing State Journal arrived, asking questions and burning film for their reports. We had fun showing them our stations, answering questions and posing shamelessly (right, Scott?) for the camera. On Sunday evening, TV 10 ran a nice piece on our operation and Monday's Journal included a nice writeup, as well. I have copies of both for our members to see at the upcoming CMARC meeting.

As you've read, the FCC has thrown down the gauntlet, as it were. It's time for us to "put our money where our mouths are" and show them why we belong in the Public Service business. That alone is motivation enough for me.....but consider this. If we don't do the job well, what is to keep the FCC from pulling the plug altogether? Not possible, you say? Better think again, my friends.

What's exciting to me, is that we came together in a united effort to make Field Day fun, educational (for the visiting Scouts) and something we should all be proud of! We needn't hang our heads at all. In fact, regardless of where we come out in the VERY competitive 4 Alpha class, we can enjoy the fact that we operated nearly 100% of that "contest".

My hat's off to member and visitor alike. I know I have named some names, but let me assure you that we had MANY more than I have here. Only my memory keeps me from listing them all in this article and the other FD article included in this month's SCOPE.

Congratulations to all Field Day participants and I look forward to working with you in 2001. I think we can outdo the CW stations, we just have to tie that team up. Easy fix (hi hi).

Well, that's enough for this month. "Stay Tuned" for future information on this afore-mentioned fund-raiser, though.

73, ERV



# Freedom Wasn't Free!

Here is a little flag waving for you .....Have you ever wondered what happened to the 56 men who signed the Declaration of Independence?

Five signers were captured by the British as traitors, and tortured before they died. Twelve had their homes ransacked and burned. Two lost of their sons serving in the Revolutionary Army; another had two sons captured. Nine of the 56 fought and died from wounds or hardships of the Revolutionary War.

They signed and they pledged their lives, their fortunes, and their sacred honor. What kind of men were they?

Twenty-four were lawyers and jurists. Eleven were merchants, nine were farmers and large plantation owners; men of means, well educated. But they signed the Declaration of Independence knowing full well that the penalty would be death if they were captured.

Carter Braxton of Virginia, a wealthy planter and trader, saw his ships swept from the seas by the British Navy. He sold his home and properties to pay his debts, and died in rags.

Thomas McKeam was so hounded by the British that he was forced to move his family almost constantly. He served in the Congress without pay, and his family was kept in hiding. His possessions were taken from him, and poverty was his reward. Vandals or soldiers looted the properties of D i l l e r y , H a l l , Clymer, Walton, Gwinnett, Heyward, Rutledge, and Middleton.

At the battle of Yorktown, Thomas Nelson Jr, noted that the British General Cornwallis had taken over the Nelson home for his headquarters. He quietly urged General George Washington to open fire. The home was destroyed, and Nelson died bankrupt.

Francis Lewis had his home and properties destroyed. The enemy jailed his wife, and she died within a few months.

John Hart was driven from his wife's bedside as she was dying. Their 13 children fled for their lives. His fields and his gristmill were laid to waste. For more than a year he lived in forests and caves, returning home to find his wife dead and his children vanished. A few weeks later he died from ex-

haustion and a broken heart. Norris and Livingston suffered similar fates.

Such were the stories and sacrifices of the American Revolution.

These were not wild-eyed, rabble-rousing ruffians. They were soft-spoken men of means and education. They had security, but they valued liberty more. Standing tall, straight, and unwavering, they pledged: "For the support of this declaration, with firm reliance on the protection of the divine providence, we mutually pledge to each other, our lives, our fortunes, and our sacred honor."

They gave you and me a free and independent America. The history books never told you a lot about what happened in the Revolutionary War. We didn't fight just the British.

We were British subjects at that time and we fought our own government! Some of us take these liberties so much for granted, but we shouldn't. So, take a few minutes while enjoying your 4th of July holiday and silently thank these patriots. It's not much to ask for the price they paid.

Remember: Freedom is Never Free!

I hope you will show your support by please sending this to as many people as you can. It's time we get the word out that patriotism is NOT a sin, and the Fourth of July has more meaning than beer, picnics, and baseball games.

Thank you and God bless.

## Happy Independence Day!

### More Changes For SCOPE

You probably noticed that your SCOPE was only folded once this month and that is because we are trying some new design layouts for the

evolving newsletter. We've found that folding it twice can be cumbersome, at times, so this is another way to do it. What do you think?

Keep your eye on the SCOPE in the coming months as we make some more changes. Some of you wanted to see some new features, so we're working on them. We are still looking for one of the YLs to do a monthly column. Nothing fancy, just an update on things important to the Ladies of our Club. Volunteers?

In addition, if there is someone who wants to give us a monthly update on the Old Timer's Club, please contact me at 676-2710, or email me at [w8erv@arrl.net](mailto:w8erv@arrl.net) and as always, thanks.

### NEXT LCDRA MEETING

The next LCDRA meeting will be held on Thursday, July 20, 2000 at 7:00 p.m. As usual, the meeting will be held at Lansing Fire Station No. 8 at the corner of Marshall and Grand River, which is just west of the Red Cross building. If you need any directions, the talk-in will be the 145.39 with a PL of 100 MHz.

## The Y2K CMARC Board

## The Y2K LCDRA Board

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

### Our Y2K-Complacent CMARC Officers:

Pres: J. Ervin Bates-W8ERV ph: (517) 676-2710  
 Vice Pres: Steve Dible-W8CRH ph: (517) 627-7979  
 Sec: Julie McLain-KB8ZXR ph: (517) 694-0812  
 Treasurer: Pam Denomme-K18PSF ph: (517) 589-5263  
 Dir: Don McLain-KB8RAD ph: (517) 694-0812  
 Dir: John Crawford-N8LLC ph: (517) 393-2336  
 Under 22: Tyler Head-KC8LWG ph: (517) 669-9375  
 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: J Ervin Bates, W8ERV Email address: w8erv@arrl.net  
 Deadline for articles: 15th. of month.

### Our Y2K-Complacent LCDRA Officers:

Pres: Clint Hannahs-KC8EHR ph: (517) 882-1799  
 Vice Pres: Don Clark-N8XME ph: (517) 669-4586  
 Sec: Scott Newfer-W8SRN ph: (517) 381-8148  
 Treasurer: L.Gene Batton-N9XAM ph: (517) 355-5826  
 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: Quarterly, on the 3rd Thursday at 7:30pm. at Lansing Fire Dept., Station #8, on Marshall St. at Grand River, just west of the Red Cross. Ask Clint to show you the EOC station they have worked so hard to build up.

## JULY'S BIRTHDAYS AND ANNIVERSARIES

*(Oops!! Neil McLain's 73<sup>rd</sup> Birthday on June 28<sup>th</sup> was inadvertently left out of the June Scope. Happy BELATED Birthday, Dad!!)*

- 1 - Tyler Whitney/KC8NSB's 12<sup>th</sup> B'day!
- 3 - Don Defeyer/KC8CY's 72<sup>nd</sup> B'day!
- 5 - Inez Pearson/KY8V's 91<sup>st</sup> B'day!
- 5 - Clint Hannahs/KC8EHR's 29<sup>th</sup> B'day!
- 6 - Currin Skutt/W8FSZ's 83<sup>rd</sup> B'day!
- 9 - Bart Smith/KB8RAT's 80<sup>th</sup> B'day!
- 11 - Don/N8XME and Joy/KC8GAL Clark's 3<sup>rd</sup> Anniv.!
- 14 - Bill Cote/WD8NYW's 60<sup>th</sup> B'day!
- 14 - Charles Stahl/N8DWI's 74<sup>th</sup> B'day!
- 14 - LeRoy Morgan/W8QQC's B'day!
- 15 - Jim Kuerbitz/KB8GOY and wife's Anniv.!
- 16 - Bob Trimbach/K8RBT's 40<sup>th</sup> B'day!
- 17 - Carl Canfield/K8YHH's 54<sup>th</sup> B'day!
- 19 - Charlie Shawnee/K8USY and Wife's Anniv.!
- 24 - Barton Taube/KE4POP's 54<sup>th</sup> B'day!
- 27 - Ron/ND5S and Sue/KF5LG St. Laurent's Anniv.!
- 27 - George/K8GHX and Iris Wood's 60<sup>th</sup> Anniv.!
- 29 - Tom Simmons/KB8GVE's 59<sup>th</sup> B'day!
- 30 - Bill Chapman/W8TJQ's 78<sup>th</sup> B'day!
- 30 - Douglas Goodrich/N8ECL's 57<sup>th</sup> B'day!

## Central Michigan Amateur Radio Club Treasurer's Report

Account Balances as of June 2, 2000

### ASSETS:

Cash & Bank Accounts	
Mich. Nat'l Bank Checking	\$1,433.61
USPS Postal Deposit	<u>\$112.52</u>
TOTAL Cash & Bank Accounts	\$1,546.13
Other Assets	
Comerica Bank CD	<u>\$1,349.65</u>
TOTAL ASSETS:	\$2,895.78
LIABILITIES:	\$0.00
TOTAL NET WORTH:	\$2,895.78

Income & Expenses: May 5-June 2, 2000

### INCOME

Coffee Fund	\$12.00
Dues	0.00
Ladies Night	<u>641.52</u>
TOTAL INCOME:	\$653.52

### EXPENSES:

SCOPE Mailings	\$46.33
Ladies Night Entertainment	\$150.00
Julie McLain-Ladies Night Cake	\$19.50
Ladies Night Flowers	\$55.65
Ladies Night Meals	\$640.64
Erv Bates-Supplies	\$9.19
Service Charges	\$14.25
Postage-Returned SCOPEs	<u>\$7.48</u>

TOTAL EXPENSES	\$943.04
TOTAL NET PROFIT	<u>\$(289.52)</u>

Respectfully Submitted,  
 Pamela Denomme-KB8PSF, Treasurer

# Announcements & Items For Sale

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## RACES/ARES Meetings

If you are an RACES or ARES member, and wish to play an active role in the Ingham County RACES/ARES Group, you are invited to attend the Ingham County RACES/ARES meetings. These meetings are held the third Monday at 7pm each month. They alternate between the Ingham County Sheriff's, Department; 630 N. Cedar St, Mason and Fire Station #8; on the corner of Marshall St. & Grand River, Lansing. Talk in frequency is the Okemos repeater - 145.390MHz 100Hz PL.

Every other Monday during the month, there is the Ingham County RACES/ARES net held at 7pm on 146.580MHz. This net is held for RACES/ARES equipment check and information pertaining to RACES/ARES members.

If you have any questions, please contact Clint Hannahs, The Ingham Co. Emergency Coordinator, at [kc8ehr@arrl.net](mailto:kc8ehr@arrl.net) or Cary M. Britten, The Assistant Ingham Co. Emergency Coordinator, at [kc8jka@arrl.net](mailto:kc8jka@arrl.net)

## RACES/ARES 2000 Meeting Schedule

- July 17<sup>th</sup> at 7pm held at the Lansing Fire Station #8
- August 21<sup>st</sup> at 7pm held at the Ingham Co. Sheriff's Dept.
- September 18<sup>th</sup> at 7pm held at the Lansing Fire Station #8
- October 15<sup>th</sup> at 7pm held at the Ingham Co. Sheriff's Dept.
- November 20<sup>th</sup> at 7pm held at the Lansing Fire Station #8
- December 18<sup>th</sup> at 7pm held at the Ingham Co. Sheriff's Dept.

## For Sale

-70 feet of Rohn 20, with tilt base, rotor plate and 2 mast guide plates, plus a four foot section for in ground-like new condition \$150.00.

-Yaesu ft 101EX HF rig. 75 watts-just done by Dan, W8BCI. Matching speaker, phone patch, digital display, manual, still has plastic on the front face a few scratches but A-1 condition otherwise. Asking \$300.00.

Contact John Crawford (N8LLC) at 393-2336 or [n8llc@arrl.net](mailto:n8llc@arrl.net).

## For Sale...

-Alpha Delta DX-EE 10-40m no trap dipole. Great antenna for limited space. Only 30 ft. long. Tunes well and excellent reports. \$60 (nearly \$100 new!).

-11 element 2m beam. Unknown manufacturer, but it looks like a Cushcraft. Works well. \$25

*Erv W8ERV 676-2710 or email: [w8erv@arrl.net](mailto:w8erv@arrl.net)*

# Local and Area VE Sessions

## **Lansing V.E. 2000 Test Dates**

Testing is held at the Lansing America Red Cross, in the Kropschot Room at 1800 E. Grand River; Lansing, MI 48909 Talk-In 145.390 - (100hz PL)  
Registration begins at 9:30am and testing starts at 10:00am for the following dates:

July 8, Sep. 9, Oct 8 (HamFair2000) Nov. 11

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

## **Corunna VE Testing**

On the 4th Thursday of the month at the Red Cross in Corunna, MI

(except for July, Nov. & Dec.)

7pm Registration

Email: [aa8tc@arrl.net](mailto:aa8tc@arrl.net)

Call in frequency is 147.020 +

## **Charlotte VE Testing**

On the 2nd Saturday of the even months at the Eaton Co. Sheriff Dept.

Email: [x95korroch@wmich.edu](mailto:x95korroch@wmich.edu)

12 Noon Registration

Talk-In frequency is 147.080 +

## **Howell VE Testing**

On the 2nd Tuesday of the odd months at the Emergency Operations Ctr.

Highlander Way, Howell, MI. 7pm.

Contact: Greg Mcdiarmid-AA5GO

517-548-5893

Talk-In frequency is 146.680 - (100 hz PL)

## **Mt. Clemens VE Testing**

On the 1st and 3rd Saturdays of the month at the Salvation Army in Mt. Clemens, MI

Contact: Bill Chesney 810-468-8345

7pm. Registration~Talk-In frequency is 147.180

+ (100 hz. PL)

## **Grand Rapids VE Testing**

On the 1st Friday of the month at the Red Cross,

1050 E. Fuller Ave., NE, Grand Rapids.

6:30pm.

Contact: Ed/N8UXN 616-458-9029

Talk-In frequency is 146.760 - (94.8 PL)

## **Jackson VE Testing**

On the 3rd Saturday of most months (10am) at the Jackson District Library, 244 W. Michigan

in Jackson, MI

Contact: Dick McGuire 517-782-1430

Walk-Ins Welcome! Talk-In frequency is

146.880 - (100 hz. PL)

# COMPUTER WORDS

BY WA8LAY

## Word list

AUTHORIZED	NOVICE
BANDWIDTH	PRACTICE
CREDIT	PROHIBIT
CRITICAL	PUBLIC
DISASTER	RETRANSMIT
EXAM	SPECTRUM
EXTRA	SUBPART
FREQUENCY	TECHNICIAN
GENERAL	TRANSMISSION
INTERFERE	UPGRADE
LEGAL	VOLUNTEER
NOAA	



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

## *Calendar of Events for July, 2000*

- 1st 5.390 Breakfast, Theio's (North East St.) 7:30am
- 7th CMARC Meeting-W8TI with Wire Antenna Presentation
- 12th OOTC Lunch 1pm. (pse contact Jerry Maslowski or Irv Graham for location)
- 14-16th Fund Raiser at British Isles Rest. for Red Cross/HamFair2000
- 15, 16th MS 150 Bike-a-Thon (pse contact Don, WB8NUS)
- 22nd Women on Wheels Event (pse contact Don, WB8NUS)
- 29th QCWA Breakfast, Theio's (North East St.) 8am

Monday evenings at 7pm, RACES, ARES Net 146.580 simplex, No PL tone

Tuesday evenings at 8pm, QCWA Net 146.700 -600

Sunday evenings at 8:30pm, 5.39 Information Net, 145.390 -600 100hz PL

"Celebrating 50 years of Affiliation with the American Radio Relay League!"

July, 2000

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Central Michigan Amateur Radio Club

# THE SCOPE



Lansing Civil Defense Repeater Association

Name _____ Call _____	Name _____ Call _____
Address _____	Address _____
City _____ State _____ ZIP _____	City _____ State _____ ZIP _____
Phone No. _____ Lic. Class _____	Phone No. _____ Lic. Class _____
ARRL Member? _____ Date of Birth _____	ARRL Member? _____ Date of Birth _____
Your Wedding Anniversary: _____	Your Wedding Anniversary: _____
Full Membership \$10 per year* Associate Membership \$5 per year Please remit to: John Ingraham-NG8L, Membership Chairman 2807 Greenbriar Ave., Lansing Michigan 48912	LCDRA Membership \$15* Add a family member at \$7.50 per person (Dues cover annual membership from January to January) Send Check or MO to: L.C.D.R.A. P.O. Box 80106, Lansing, Michigan 48908
As a licensed Amateur, you can sign up today as a FULL member. As a full member of CMARC, you have voiting 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.	Use of the repeaters does NOT require membership, but your support IS greatly appreciated.