

# A New Look for the New Millennium - April 2000



Central Michigan Amateur Radio Club

## THE SCOPE



Lansing Civil Defense Repeater Association

www.qsl.net/cmarc **Serving Our Community Since 1921** www.qsl.net/lcdra

## Richard B. Pennington, W8SFA <SK>

*Farewell, OM ~ 73 es 88*

Of the thousands who proudly wear the mantle of Amateur Radio, few make such a strong impression. Whether it's on the National level, or Locally. But Richard Pennington (W8SFA) made his mark. "Dick", as he was affectionately known, became a Silent Key on Saturday, March 4, 2000 at the age of 77. The smiling, kindly man-the man with the Rubber Duckie on his hat-will be sorely missed by his Family and Friends. And somehow, HamFair2000 won't be the same without Dick there. After more than 50 years, how could it?

Dick had been active in Amateur Radio since the age of 14, according to his sons Todd and Roger. In the 63 years that followed, Pennington served the Central Michigan Amateur Radio Club in many capacities. Former Ingham Co. Asst. EC, Don Tillitson (WB8NUS) summed up the news of Dick's death, stating, "With Dick and Tiny (Hewitt) gone, we've lost two pivotal people in the Lansing area."

A veteran of WWII, Dick served his country with pride. Additionally, his active participation was also noted in several clubs (professional and personal), including: The Lansing Civil Defense Repeater Assn., the Quarter Century Wireless Assn., the Old, Old Timers' Club, the ARRL, the Lansing Engineers' Club, the Michigan Society of Professional Engineers and the Michigan Engineering So-



ciety. Dick also received CMARC's highest honor, the "Ziegenbein Award" in 1995 and was a recipient of the "KA8OBS Memorial Extra Mile Award" in 1999.

Long-Time friends had high praise for Pennington, which is no surprise to those that have known him for any length of time. Just ask around.

Friends like Don Rickerd (W8BQD) knew him as, "An outstanding Christian man." Currin Skutt (W8FSZ) spoke of, "A good worker for CMARC. If he said he was going to do something, you could count on him doing it." Former Ingham Co. EC, Hal Bell (WA8LAY) remembered Dick's years of service as our repeater trustee, "Attending Repeater Council meetings and never asking for a dime in gas or phone reimbursement."

Bell even recalled how Dick assisted the council in repeater coordination, where he used a formula to determine the machine's coverage-and avoided interference from repeaters on the same frequency pair. His knowledge transcended his profession. "You could go to him with a problem", chimed Don Tillitson (WB8NUS), "and it might take half a day...or even a whole day, but when you left, the problem was solved and you understood the solution." This was one of Dick's strongest gifts, according to his friends.

Dick Pennington's legacy, however simple, was his trademark hat-both at home and in travel. Hal Bell (WA8LAY) spoke of Dick's popularity at the annual Dayton (Ohio) Hamvention, citing his friends' run of several years on Dayton's Channel 6 Newscast. "We'd wait to see if Dick made it on, with his hat, and sure enough-he would. He had quite a run with that hat of his."

From his involvement in repeaters, engineering and the early days of the QMN Net (he was one of the last charter members), to the fun-loving nature he so freely expressed, Dick Pennington's death leaves a large hole in our ranks. We enjoyed him and we'll miss him. Farewell, OM ~ 73 es 88 from your friends at CMARC and LCDRA.

# News From Around Town

Including Meeting Minutes from CMARC and LCDRA

## MARCH'S VE EXAM BLOWOUT!!

*March 11, 2000*

Setting a new VE Session attendance record for Lansing, 35 candidates descended upon the Red Cross on March 11th, seeking either new licenses, or upgrades. In the end, we are pleased to welcome 10 brand new Technicians, 1 Tech Plus, 2 Generals and 1 Advanced. Additionally, 13 candidates passed elements, making them eligible for licenses, or upgrades, once they meet the rest of their testing criteria, or April 15th, depending on their individual status.

The New Technicians include: David Kenyon (Father of Jaymes), Marilyn Weaver, Gretchen Wasper, J. Roderick Schultz, Sally Royston, Denise Rowell, John Castle, Richard Carnicom, Timothy Beckett and Mark Aldrich. Each of these new licensees will receive a three month honorary membership to the Central Michigan Amateur Radio Club and we want to welcome them and offer our sincere congratulations!

We also had the following test and pass the General: James Kuerbitz, William Wing. Passing Tech Plus was Charles Schleicher, too. How about that?! And then there was CMARC member, Gregg Mulder, who attended and passed his elements to become Advanced. Congratulations to you, too, Gregg!

Our thanks should also be noted to the Team who did an excellent job of putting on the Amateur Licensing classes, at MSU. This was a joint effort between CMARC and MSU and we appreciate the efforts of Michael Schanblatt (KC8MAS), Dennis Boone (KB8ZQZ) and Gregg Mulder (WB8LZG) who worked for six weeks to turn this class out and have them ready for their licensing tests. Well done, guys!

And finally, to the VE Team, headed up by VE Liaison, Larry Nordeen (N8VEN). VE's attending on the 11th included, Don (KB8RAD), Don (W8EGI), Dennis (KB8ZQZ), Dave (N8WTH), Erv (W8ERV), Joe (N8VYS), Gus (K8KU), Lowell (W8IQB) and visiting VE (from Charlotte) Tom (WA8WPI). Non-VE helpers were Julie (KB8ZXR) and Steve (W8CRH), who had applied to be a VE, but had not received his paperwork for this test session. Great Work, gang!

## April 29th To Be BUSY

So, you say you have a quiet day planned for the 29th of April? Well, if you are bored, we have THREE (count em!) activities planned for that day.

Of course, the Special Event Station, commemorating 50 years with the ARRL is that day, running from 10am til 4pm, but we have just received word that bodies are needed for two others as well. The Mother's March is planned to run from 9am until the last person is in, according to Don Tillitson (WB8NUS). They are in need of a few people to help keep an eye out for trouble, as there are some 17,000 participants registered. Call Don for details and to volunteer. (517) 321-2004.

Wait, you're not off the hook yet! Dennis Boone (KB8ZQZ) called to ask for help with the Science Olympia 2000 event, scheduled to run from about 7:30am, til around Noon. He is in need of up to eight people for that event and you are encouraged to contact him if you can be available.

And they say we lead boring lives?

## DUES REMINDER

This will be the last reminder, before we purge the membership list of those who haven't yet paid their dues. Your continued support for these Clubs will be appreciated and if CMARC hits 300 this year, "da Prez", Erv and John (N8LLC) have offered to have their heads shaved completely. Get em in and let's shave them heads!

# *Ziegenbein Nominations*

Each year the Central Michigan Amateur Radio Club honors the member who contributed the most to the Central Michigan Amateur Radio Club and/or amateur radio during the preceding year. The award is made in the name of 'Ralph Ziegenbien' who was "Mr. Ham Radio" in Lansing for many years. The recognition takes the form of a plaque which is presented at the annual Ladies Night Awards Banquet held in the spring. The Ziegenbein Committee which selects the nominees to receive the award consists of the last three recipients of the award. Members who have been so honored in the past date back to 1961:

- |                               |                               |
|-------------------------------|-------------------------------|
| 1961: Gorden Main - W8OCK     | 1981: Harold Mahlke - W8OG    |
| 1962: Currin Skutt - W8FSZ    | 1982: Jere Haigh - WA8BAP     |
| 1963: Pete Gossett - W8CKK    | 1983: Linda Haigh - KA8HHA    |
| 1964: Don Rickerd - W8BQD     | 1984: Rowena Elrod - KA8OBS   |
| 1965: Dan Harger - W8BCI      | 1985: John Hewitt - K8DHN     |
| 1966: Ben Hassell - W8VPC     | 1986: Marion Stoner - W8VWY   |
| 1967: Dick Kelly - K8BZV      | 1987: Don Tillitson - WB8NUS  |
| 1968: Duane Cross - K8ATU     | 1988: George Wood - K8GHX     |
| 1969: Harold Bell - WA8LAY    | 1989: Inez Pearson - KY8V     |
| 1970: Wally Beck - W8QQL      | 1990: Don Devendorf - W8EGI   |
| 1971: Mert Henry - K8ETU      | 1991: Bill Chapman - W8TJQ    |
| 1972: John Sheldon - WA8MVH   | 1992: Ken Kruger - W8AAX      |
| 1973: Lyle Brooks - W8TIJ     | 1993: Dick Thomas - W8VJC     |
| 1974: Carl Hunsaker - K8ILF   | 1994: Dick Pennington - W8SFA |
| 1975: George Croze - K8VKX    | 1995: Don Cote - KD8BD        |
| 1976: Lloyd Brox - K8ZKM      | 1996: Pete Elrod - N8EST      |
| 1977: Larry Alman - WA8QCW    | 1997: Roy Uchigashima - N8GAQ |
| 1978: Dale Moore - K8YRD      | 1998: Julie McLain, KB8ZXR    |
| 1979: Lee Hamilton - K8CDM    | 1999: ???????????????         |
| 1980: Beverley Stoner - K8ZJU |                               |

Once again it is time to consider nominations for this award for 1998. Nominations should be written stating reasons why the nominee should be chosen. A committee of three persons consisting of the last three recipients of the award would normally judge the nominations. The senior member is the chair of the committee. This year Don Devendorf-W8EGI, will again replace Pete Elrod-N8EST, a Silent Key.

This will be the final call for your nominations for the 1999 Ziegenbein Award. Nominations must be received no later than **Saturday, April 15, 2000** and should be sent to: *Ziegenbein Nominations, C/O Julie McLain, 4444 Sycamore, #1, Holt, Michigan 48842.*

73,

Don Devendorf (W8EGI), Committee Chair

# LCDRA MEETING

**FEBRUARY 17, 2000**

At 7:33 p.m., Clint/KC8EHR called the meeting to order. The following officers were present at the meeting: Clint, Scott/W8SRN, Don/N8XME, and Harold/WA8LAY. Brad/KA8RAD was excused. The following members also attended the meeting: Cary/KC8JKA, Roxie/KC8GAK, Dan/W8BCI, Tom/KC8NJK, Mark/N8DEF, Dave/N8WTH, Don/WB8NUS, Don/W8BQD, Hazel/K8KSX, and Bernie/N8PVZ. The Association would like to welcome Gene/N9XAM as a new member. Gene transferred to the area from Indiana University and works at MSU's cyclotron.

## Old Business

Due to Dan/W8BCI's recent illness, the Association was in need of a new treasurer. Even though he is new to the area, Gene/N9XAM volunteered to fill the position. Don/WB8NUS moved that we accept Gene's gracious offer. Don/N8XME seconded. The motion passed unanimously.

Next, Clint/KC8EHR reported that the officers had decided to use the pre-existing generator at the 145.39 transmission site instead of purchasing our own generator. Per our December meeting, it was learned that this generator was well cared for and would provide plenty of power if the commercial power went off-line. As an added bonus, Clint reported that the transmitter is already on the same circuit as the generator so we will not need to make any changes.

Also, in response to Julie/KB8ZXR's statement regarding ARES, Clint/KC8EHR assured everyone present that ARES was not being swept aside in the county. As EC, Clint reiterated his position that he did not want to discuss individual training issues during our meetings. Instead, Clint opined that this type of discussion was better suited to CMARC.

Last, Scott/W8SRN gave the secretaries report. Similarly, Don/WB8NUS gave the treasurer's report. Tom/KC8NJK moved and Dan/W8BCI seconded the adoption of the reports. The motion carried.

## New Business

First, Clint/KC8EHR suggested that we go back to quarterly meetings. In order to give everyone enough time, it was decided that this issue would be put to a vote at our next meeting on April 20, 2000. By waiting until this meeting, we will be able to have our next meeting in July and miss all the holidays. Nevertheless, Clint moved to change the meeting time to 7:00 p.m. instead of 7:30 p.m. Don/

W8BQD seconded. Motion carried.

Clint/KC8EHR informed the Association that the area's ARES and RACES groups were being merged. By merging the two groups, all interested amateur radio operators will be able to train effectively. For example, Kurt/K8AI will be teaching effective traffic handling at future meeting. In the long run, Clint wants to rename the group as the Amateur Radio Public Service Corp. This merger may become more important as Red Cross is merging 6 local counties into 1 group. This merger will require us to work closely with other groups during emergencies in the 6 county area.

Clint also announced that there will be SKYWARN training at the next CMARC meeting on April 7<sup>th</sup>. Tom/KC8NJK announced that he will also be holding a SKYWARN training session on March 21, 2000 from 9:00 a.m. until 11:00 a.m. Additionally, it was announced that Channel-10 again wants a SKYWARN person in their studios to help with live broadcasts.

Tom/KC8NJK reported that Clint/KC8EHR and Cary/KC8JKA will each have a set of keys to the EC communications room located at Lansing Fire Station No. 8. Regarding emergency communications, Tom announced that the ATV demonstration given earlier in the month went very well. To counter the easily received 440 MHz bands and the fact that we cannot be coordinated on the ATV portion of the band as we are too close to Canada, Tom determined that the use of 1.2 GHz may be feasible. The City wants to explore the possibility of placing such an ATV repeater on a 300-foot tower located on the corner of Holmes and South Washington. The only catch is the additional load an antenna will place on the tower so we will not go over the tower's capability. Because the tower is located next to the Lansing Radio Lab, the repeater will have a building and a generator already in place. Tom reported that the City did have a concern about security during an emergency event. For example, the City did not want someone in the future to use its own transmission against it in litigation filed as a result of a City employee or volunteer doing something incorrectly during the emergency. Tom used the example of the video-tape from the Rodney King affair in LA. The City believed that the use of dish antennas will help limit the reception of the signals by the local populous. However, Cary/KC8JKA pointed out that the various operators will not be able to cross-talk with each other. Similarly, Mark/N8DEF opined that the use of digital FM

would narrow the effective use of the signal. Scott/W8SRN offered that the City could DTMF encode the repeater during emergencies, but upon hindsight, this cure would not stop the interception of the signal as it passed from the repeater to the Ingham County Sheriff's Department in Mason or the City. Clint stated that Livingston County has already war-gamed many of these issues already, so he was going to contact them for more information so we do not have to reinvent the wheel.

Dan/W8BCI reported that the 146.70 repeater does not like over-modulating rigs. He did reset the squelch to help stop the dropouts. Also, Dan returned the backup CAT300 with the distorted audio to be repaired. As to the 145.39, Don/W8BQD inquired whether the 145.39 was controlled. Dan reported that the repeater is not UHF controlled, but it can be controlled by touch tones.

In order to help Gene/N9XAM with his treasurer duties, Don/WB8NUS wondered whether the organization should purchase a briefcase for the treasurer. It was determined that \$40 seemed like a fair price to spend on one. As a result, Don moved that we purchase a briefcase for no more than \$40. Don/W8BQD seconded. Motion passed unanimously.

Last, Clint/KC8EHR revisited the problem getting into the Link with HT's. Cary/KC8JKA reported that he easily gets into the repeater with his hand-held from his location in North-Central Lansing. Don/N8XME stated that the problem with some of the individuals may be the fact that they are trying to access the repeater from awful locations. Dan/W8BCI agreed with Don that everyone had problems at times. It was agreed that the problem was a low priority issue that will be cured when possible.

Dan/W8BCI moved to adjourn. Bernie/N8PVZ seconded. Motion carried.

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

## **CMARC Board Minutes**

**March 3, 2000**

The Secretary, Julie/KB8ZXR (who was asked by the President to fill in during his absence), brought the Board meeting to order at 7:35 p.m. Also in attendance were Treasurer Pam/KB8PSF and Director John/N8LLC. Those Board members

who were absent and excused from tonight's meeting were: President Erv/W8ERV, Vice President Bill/KB8TTS, and Director Don/KB8RAD. No one had heard from Tyler/KC8LWG, who was also absent.

President Erv had given the Secretary a list of issues he wanted addressed at tonight's Board meeting. They were as follows: (1.) **Honorary Associate Membership for Kaz Fujita:** Erv suggested that, "in view of Kaz's contributions to CMARC, both in presentations and donations (Kaz donated several of his Father's books to CMARC), we ought to recognize him with an honorary Associate membership". Since Erv and Don/KB8RAD had expressed their support for this proposal earlier in the week via telephone, and with the agreement of the three Board members in attendance tonight, a motion was made by John/N8LLC to make Kaz an Associate member. It was seconded by Pam and approved. (2.) **Fund-Raising for Ham Fair 2000:** Since the idea to sell candy had previously received less than enthusiastic support from both the Board and the Club, Erv suggested raffling off several prizes to raise funds. First Prize would be a dinner and a night's stay for two at the Soaring Eagle Casino in Mt. Pleasant. For Second Prize, a dinner and a night's stay for two at a local hotel would be offered. The Third Prize would be a \$50 gift certificate for the Outback Steakhouse. He said that expenses would total approximately \$700 (which includes printing 1,000 tickets), and we could sell the tickets for \$2 each or 3 for \$5. He said profits could be anywhere from \$800 to \$1,300. Since we did not have a quorum tonight, Erv's idea was shelved until the April meeting. (Also to be discussed next time will be Pam/KB8PSF's suggestion of having a bake sale — a scheme that would bring in money without a lot of added expense.) (3.) **Fund-Raising for the Red Cross and the CMARC Youth:** Erv said that, in view of the fact that the Red Cross has been hit hard locally due to many

house fires, it would be nice if we could increase the size of our annual donation this year. To cover that expense, as well as the cost of his suggested field trip for the CMARC Youth (to WIAW and the ARRL Headquarters in Newington, CT this summer), he came up with an idea for further fundraising. Erv has volunteered to sit "up in the air" in a boom truck (cherry picker) for a weekend to raise the needed funds for both the Red Cross and the CMARC Youth trip. With the loan of a boom truck and the use of a very public place to do this, he feels he can survive the ordeal and potentially raise some serious money for both projects. Since we did not have a quorum, the proposal will be addressed at the April meeting.

Gregg Mulder/WB8LZG addressed the Board regarding starting a "Full Station Equipment Loaner Program" so that new Hams can get on the air. Gregg said that he has been doing this with his own equipment for some time, and has had good luck getting the gear returned. He proposed not only doing it with his, but also using some of the Club's equipment as well, since most of it just sits around and doesn't get used anyway. He said the Club's station has an SB101, Ten-tec, Argonot, and Heathkit that could be lent out. He proposed a 6-month rental period, and if no one else is waiting when the time is up, the same person could check the equipment out again. He said he thought the one receiving the equipment should get a complete station set-up as well as training in the use of it. Gregg said he would gladly volunteer to be the one lending out the equipment and to keep track of who has it. He said he would like one other person to be involved with it and that, since Phil Dowker/KC8FXS had expressed an interest in the lending program, he might be willing to help Gregg with it. The three Board members present thought the idea was a very good one, and suggested that we could solicit donations of used equipment from Club members for this purpose. We could also mention this equipment-lending program in the Scope, along with the contact person's number. Once again, since there

was not a quorum of the Board present, the suggestion will have to be addressed at a later date. The President will be apprised of the idea and possibly address it at the April meeting.

With the Board's business being concluded, a motion was made by John/N8LLC to adjourn. It was seconded by Julie/KB8ZXR and approved. The Board meeting adjourned at 8:05 p.m.

*Julie McLain/KB8ZXR-Secretary*

## CMARC MEETING

March 3, 2000

Secretary Julie/KB8ZXR brought the meeting to order at 8:15 p.m. Julie welcomed the visitors and the guest speaker for the evening, Dave Birdsley/KF8WS. We had 43 members and 6 visitors in attendance. **Our VISITORS were:** Ken Norton; Joyce Clark (Forrest/N8PWD's wife); Sue McGuire (Dick/KI8C's wife); Lucas Schaatz; Brian Fish/KC8MHN; and Barton Taube.

**NEW LICENSES AND UPGRADES:** Steve Dible/W8CRH passed his 20 wpm code exam in Charlotte on February 12<sup>th</sup> and is now an Amateur Extra! CONGRATULATIONS, Steve, on a job well done!!!

**CARDS AND FLOWERS REPORT:** The Secretary sent out three get-well cards in February. (1.) A card was sent to Associate member, Michelle "Mickey" Bates (President Erv/W8ERV's 16-month-old daughter), as she was hospitalized for two and a half days with a stomach virus and dehydration. (2.) A get-well card was sent to Life Member Bill Chapman/W8TIQ, who had been hospitalized for several weeks. Bill is now back home and is doing a little better. He said tomorrow (March 4<sup>th</sup>) will be the first chance he's had to venture out of the house since his "confinement", and will be spent visiting the Wharton Center to hear several Barber Shop Quartets perform. He said his three daughters were also going and

would be his nurses while he was away from home. Bill said he is really looking forward to getting out and about. (3.) A get-well card was also sent to Lowell Hoyland/KC8ARG who recently had surgery. Lowell is back home and doing better. *[Secretary's Note: Bill and Lowell still have a way to go before they are their old selves again, so please remember to keep them in your thoughts and prayers.]*

**ANNOUNCEMENTS:** Also see the "Calendar of Events" for a more complete listing of upcoming events and happenings.

(1.) April 7<sup>th</sup> at 8 P.M. will be the annual CMARC SKYWARN meeting. Each year's presentation is conducted by at least one meteorologist from the Grand Rapids Weather Bureau. Needless to say, this is usually the most popular meeting of the year and promises to be well attended, so be sure to come early to reserve your seat. We will also be auctioning off, to the highest bidder, the books that Kaz Fujita donated to the Club. All proceeds will go to the Ham Fair 2000 Fund.

(2.) April 15<sup>th</sup> is the deadline for Ziegenbein Award nominations. Please be sure to get yours in for the person you think has done the most for Amateur Radio in general, and CMARC in particular, in the past year. Mail them to: Julie McLain/KB8ZXR; 4444 Sycamore, Apt.1; Holt, 48842.

(3.) Saturday, April 15<sup>th</sup> is also the date that VE Teams all over the area (including ours) will be conducting **PAPERWORK ONLY** sessions for those wishing to upgrade under the new FCC license restructuring guidelines. REPEAT: There will be **NO** testing at these sessions, only the receipt of paperwork. (See the VE page elsewhere in the Scope for more info.)

(4.) Tuesday, April 18<sup>th</sup> from 6:30 p.m.-

8:30 p.m. will be "Science Night" at Ralya Elementary School. Set-up will be at 5 p.m. Contact Pam/KB8PSF for more information or to help.

(5.) Friday, April 21<sup>st</sup> is the deadline for turning in your meal orders for the Ladies Night Banquet. Mail your completed order forms and checks to: Julie McLain/KB8ZXR; 4444 Sycamore, Apt.1; Holt, 48842.

(6.) Saturday, April 29<sup>th</sup> from 10 a.m. to 4 p.m. will be the Special Event station to commemorate our 50<sup>th</sup> Anniversary of affiliation with the ARRL. See elsewhere for more info.

(7.) Sunday, April 30 from 12 noon – 5 p.m. at MSU, Wells Hall in E. Lansing, will be "The Great Space Adventures", sponsored by Congresswoman Debbie Stabenow in cooperation with Michigan Space Grant Consortium. There will be an Astronaut presentation at noon along with several hands-on activities and indoor displays. Activities and presentations are free but seating is limited. Children under 12 must be with an adult.

**OLD BUSINESS:** A motion was made by Troy/W8TCC to accept the Secretary's minutes as printed in the Scope. It was seconded by Don/W8BQD and approved. A motion was made by Steve/W8CRH to accept the Treasurer's report as printed in the Scope. It was seconded and approved. Pam/KB8PSF thanked everyone who helped with "Science Day @ the Mall". She said it was more like "Field Day" @ the Mall trying to get the antennas up and everything working. She said a dipole was strung up in a tree by a skylight and they got out a lot better than in years past, making about 24 contacts.

**NEW BUSINESS:** Don Cote/KD8BD suggested that the Club look into purchasing some test equipment that could be loaned out to members when they are putting together homebrew stations. He said some test equipment, which you might only use once in a blue moon (such

as a 440 analyzer), costs too much just to be used once or twice, and it would be much nicer to be able to borrow rather than buy it. The Board will look into the prospect of doing this along with the suggestion of Gregg/WB8LZG's "Equipment Loaner Program". (See Board meeting minutes.)

We took a short break for refreshments, and when we came back we had our door prize drawing. **Our Drawing Winners were:** Jim/WB8VIC, who won a flashlight; Marie/KC8NOI, who won a carving knife; and A.C. Stoddard/W8KLN, who won a coupon donated by Steve/W8CRH for a free "150 sq. ft. carpet cleaning".

**Our Guest Speaker:** for the evening was Dave Birdsley/KF8WS who, along with his wife Shirley/N7UPY, owns "B&B Embroidery" (formerly "Ham Threads"). Dave brought in examples of their work and showed shirts, jackets and hats. It was interesting to see all of the various designs and lettering that could be embroidered on articles of clothing. Dave said we didn't have to buy the clothing from him, but that we could bring in to him anything of our own choosing and he would embroider it for us. You can contact Dave at (517) 625-5037 or via the Internet at: <<http://www.qth.com/hamthreads/>>

We will be working in the future on getting our Club logo made into a template so those interested can order Club jackets and hats from Dave. Keep watching the Scope for more info on this. Dave said that he would be staying after the meeting for a while so those who wished could place orders. We thanked Dave for coming and showing us his merchandise.

At the end of Dave's presentation a motion to adjourn was made by Forrest/N8PWD. It was seconded by Bill/KA8TPQ and approved. The meeting adjourned at 10:15 p.m.

*Julie McLain/KB8ZXR-Secretary*

# Local SKYWARN Procedures and Information

*Jaymes S. Kenyon, KC8DJH*

Here is a review of SKYWARN procedures and information that have been established in the Lansing Area. to help maintain a quality and efficient net that will best serve the National Weather Service and other agencies, spotters are encouraged to follow these net operating guidelines:

- a) **DIRECT ALL TRAFFIC TO THE NET CONTROL OPERATOR.** The Net control operator directs the Net's activities, coordinates spotters, forwards reports and announces National Weather Service Statements.
  
- b) **BE AWARE OF THE SITUATION.** Always listen to the reports of other spotters. If what you're experiencing is of less priority than what is occurring in another area, then please yield the frequency to the spotters with the most urgent reports.
  
- c) **KEEP TRANSMISSIONS AS BRIEF AS POSSIBLE.** This keeps the frequency open for others to use. As always, the reports with the most priority should have the most use of the frequency.
  
- d) **DO NOT REPORT GENERAL PHENOMENON** that is always associated with with thunderstorms, such as rainfall, lightning and thunder, etc. Such reports are unnecessary and take up time on the air, possibly preventing important reports from being passed.
  
- e) **ONLY REPORT SEVERE WEATHER RELATED OBSERVATIONS** that are described in training and in supplemental material. These reports are essential to the National Weather Service during severe weather events.

....When severe weather is occurring and a SKYWARN Net is in operation, please reserve the frequency for the use of TRAINED spotters (unless there is an outside emergency). This assures the accuracy of the reports. Trained spotters in the field provide a valuable service to the National Weather Service.

## **SKYWARN Net Frequencies**

- Primary: 145.390 (-) MHz (100Hz tone input) repeater
- 1st Backup (if primary fails): 146.700 (-) MHz repeater
- 2nd Backup (if 1st backup fails: 146.940 (-) MHz (100Hz tone input) repeater
- 3rd Backup (if all repeaters fail): 146.580 MHz simplex



# For Your Consideration...

## *Being Prepared in time of Severe Weather-Or other Emergency*

Spring is here already and with it, the arrival of severe weather season. Ah yes, we can hear it now. Radios blaring with the sounds of SKYWARN Nets, the ol' Weather radio chiming in with its tones of warning, dark, menacing clouds....you know the drill.

As the Central Michigan Amateur Radio Club continues on the path to growth, it behooves us to remember that not everyone may be "Net Savvy", so we are including a copy of an article written by Jaymes Kenyon, KC8DJH in this month's SCOPE. Jaymes points out some of the important items we need to be mindful of, when in a Net situation. I'll keep you in suspense til you read it. By the way, maybe it would be a good idea to clip it out of the newsletter and post it in the shack.

Among your other plans of preparation, perhaps it would be a good idea to make up a written plan of action, in case of a major Severe Weather event. Often times we lose power for a day or more, so ask yourself if you are fully prepared to address a situation of this magnitude. Could you stay on the air for an extended period of time without commercial power? Do you have battery backup or a generator (or solar) backup?

Unfortunately, warnings come with little notice. This is why we are in "the field", passing vital eyewitness information to Grand Rapids during severe weather events. The Doppler radar has come a long way, but the NOAA guys will tell you themselves that *nothing* beats having live bodies out there to tell them what's happening at a given moment. And this boils over to the damage assessment teams, too!

So let's assume that you DO have your plan written out and in place. Do you have a backup plan for family members (if you have responsibility for them)? You will need to have an escape route planned out, as well as a Safe Haven selected, in case things get out of hand. Basements are good, as are sturdy buildings with walls that are not exposed to direct access by a tornado. It's not too late to start looking for your place of refuge right now.

I realize many of us know these things already, but I have written this out more for those who are new or only slightly experienced. Self preservation far outweighs what we do for SKYWARN. Just ask Mark Humphreys how important a Net is when lightning takes out your mobile antenna. That little episode alone probably took a few years off his life.....I know it would mine!

Let's focus on preparation as we come into Severe Weather Season. Be safe and we'll see you at our SKYWARN meeting April 7th.

*B, ERV*

## NO National Ham News This Month

With apologies to those who enjoy it, we must regretfully inform you that we have NO National Ham News this month. It will return in it's regular slot next month, but given all the weather-related, as well as Local things going on, there simply wasn't room in this edition.

Again, our apologies and thanks for your understanding.

### LCDRA TREASURER'S REPORT

Expenses:		Income:	
11/18/99 Summit Hamfair	\$170.00	12/8/99 Deposit	40.00
11/18/99 Scott Newfer	21.89	12/16/99 Deposit	129.00
12/3/99 CMARC Hamfair	1,143.66	1/8/00 Deposit	455.00
12/3/99 CMARC Dues	10.00	1/28/00 Deposit	269.50
12/15/00 Ameritech	32.98	2/8/00 Deposit	316.50
1/3/00 Ameritech	29.83	1/11/00 Interest	10.12
1/27/00 Ameritech	31.43	2/9/00 Interest	9.30
1/15/00 Check printing	<u>22.00</u>	12/9/99 Interest	<u>10.20</u>
	\$1,461.61		\$1,239.62
Paid members as of 2/17/00: 70			
Unpaid members as of 2/17/00: 53			
Checkbook balance: \$9,799.39		Bank statement \$9,831.43	
Cash on hand: <u>136.44</u>			
	\$9,967.87		

Respectfully Submitted,  
Donald Tillison, WB8NUS  
Acting Treasurer



# Items For Sale

1. Nor-Cal 38 Special, 30 meter QRP transceiver. \$40
2. Digitrex Model 7600, portable frequency counter. Good through 600 MCs. \$30
3. Radio Amateur's handbooks. Several editions available, \$3 each

\*\*\*FREE to homebrewers-I have liberal quantities of resistors, capacitors, diodes and small diameter magnet wire. Time to start soldering. Need a part for your next project? Give me a call. Gregg Mulder, WB8LZG (517) 646-6257 After 5pm

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1. Yaesu FT-980 Xcvr \$950
2. Yaesu matching Spkr \$75
3. Heath Kit SB 1000 Linear \$550
4. Kenwood 520 Station \$375 (includes 520 Xcvr, digital display, matching speaker with audio filter and matching microphone. All manuals.
5. Radio Shack 2m HT \$110

\*\*All equipment comes with manuals. FT 980 includes service manual. 980 has CAT. Also have TRI-Band Beam, and Wilson rotator. Email me and I can answer your questions, or send you a picture of the Yaesu station. [w8wlq@webtv.net](mailto:w8wlq@webtv.net) (517) 676-5059 after 4pm. Les

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## **VE TEAM REPORT FOR 1999**

During the year, our Volunteer Examiners conducted 6 test sessions. A total of 74 exam elements were administered. We have had the honor of assisting 14 applicants get their first licenses. Also 6 amateurs qualified for upgrades. No portion of the fees were retained for expenses. Thanks to the efforts of our VEs, a consistent schedule of exam opportunities is available for the Lansing area.

A special thank you, in recognition of his support, must be given to Joe Denomme. It is because of Joe's encouragement that I became Team Liaison. Also Joe was responsible for securing our excellent test location at the Red Cross. Much credit must be given to Joe for getting the testing sessions started again.

### **The following VEs participated in 1999:**

Joe Denomme N8VYS  
Kenneth Hull WR8S  
Dave Humphreys N8WTH  
John Ingraham NG8L  
Gus Kouklis K8KU  
John Kreer WA8ZTQ  
John Larock K8XD  
Don Mclain KB8RAD  
Roy Uchigashima N8GAQ

### **Non-VE helper:**

Julie Mclain KB8ZXR

*VE Team Liaison, Larry Nordeen N8VEN*

## **NEXT LCDRA MEETING WITH SPECIAL ANNOUNCE- MENT**

The next LCDRA meeting will be held on April 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. In addition to our regular meeting, the Association will vote whether to return to our quarterly schedule. 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: Bill Mathews-KB8TTS ph: (517) 394-1198  
Sec: Julie McLain-KB8ZXR ph: (517) 694-0812  
Treasurer: Pam Denomme-KB8PSF 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 DeFeyter-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 Battin-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: Bi-Monthly 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.

## APRIL BIRTHDAY'S AND ANNIVERSARIES

- 3 – David Maier/K8BGZ's 73<sup>rd</sup> B'day!
- 4 – Beverly Blakeslee's 64<sup>th</sup> B'day!
- 7 – Kenneth Kruger/W8AAX's 74<sup>th</sup> B'day!
- 8 – Troy Creed/W8TCC's 52<sup>nd</sup> B'day!
- 9 – Jim "Erv" Bates/W8ERV's 35<sup>th</sup> B'day!
- 9 – Marilyn Humphreys/N8DEH's 71<sup>st</sup> B'day!
- 12 – Paul Keefer/KB8YQZ and Wife's 13<sup>th</sup> Anniv.!
- 16 – Steven Hunt/KB8UKC's 45<sup>th</sup> B'day!
- 22 – Ken Hull/WR8S's 82<sup>nd</sup> B'day!
- 22 – Stanley Smith/N8EOP and Wife's 50<sup>th</sup> Anniv.!
- 22 – Beverley Stoner/K8ZJU's 73<sup>rd</sup> B'day!
- 28 – L. Gene Battin/N9XAM's 47<sup>th</sup> B'day!
- 29 – George Wood/K8GHX's 80<sup>th</sup> B'day!
- 29 – Don Cote/KD8BD's 71<sup>st</sup> B'day!
- 30 – Joseph Oranchak/WA4KPQ's 56<sup>th</sup> B'day!

## Central Michigan Amateur Radio Club Treasurer's Report

Account Balances as of March 2, 2000

### ASSETS:

Cash & Bank Accounts	
Mich. Nat'l Bank Checking	\$1,797.39
USPS Postal Deposit	<u>\$59.47</u>
TOTAL Cash & Bank Accounts	\$1,856.86
Other Assets	
Comerica Bank CD	<u>\$1,291.53</u>
TOTAL ASSETS:	\$3,148.39

### LIABILITIES:

TOTAL NET WORTH: \$3,148.39

Income & Expenses: February 4, 2000-March 2, 2000

### INCOME

Coffee Fund	\$41.00
Dues	\$200.00
ARRL Dues Rebate	\$5.00
Directories	<u>\$0.00</u>
TOTAL INCOME:	\$246.00

### EXPENSES:

SCOPE Mailings	\$0.00
Duplicator Repair	\$247.26
SCOPE Supplies	\$143.06
ARRL QSL Bureau	\$6.00
Service Charges	\$13.92
Post Office-Box Rent	\$44.00
Postage-Returned SCOPEs	<u>\$2.86</u>

TOTAL EXPENSES \$477.10

TOTAL NET LOSS \$(231.10)

Respectfully Submitted,  
Pamela Denomme-KB8PSF, Treasurer

# Special Announcements

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## *Mark Your Calendar*

### **SPECIAL VE DAY SCHEDULED!**

According to VE Liaison, Larry Nordeen (N8VEN), a special VE day is scheduled for the express purpose of filing upgrade paperwork, on **Saturday, April 15, 2000 from 9:30am until 12 Noon**. All business will be conducted in Meeting Room D at the American Red Cross, Lansing Chapter, 1800 E. Grand River. Nordeen stressed that there will be **NO testing on that date, but paperwork only**.

Effective April 15, 2000, Amateur Radio Restructuring comes into effect. This will eliminate the Novice, Tech Plus and Advanced license classes, as well as the 13WPM and 20WPM Code requirements. All that will remain will be the 5WPM code requirement, Technician, General and Extra classes, respectively.

Those that meet the new requirements are encouraged to come out on the 15th so they can process your upgrade. A fee of **\$6.65** will be required and *all candidates must have photo identification, copies of and the originals of your current license and any CSCE's you hold AND your Social Security Number*. Hope to see you there!

*(Editor's Note) We recently received word that a "paper only" session is also planned for Shiawassee County-Area Amateurs. It is scheduled for Saturday, April 15th from 10am until 12 Noon and will be held at the Owosso Memorial Healthcare Center, on West King. You will find them in the Private Dining Room. Parking provided behind the hospital.*

### **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@att.net](mailto:KC8JKA@att.net)

### **RACES/ARES 2000 Meeting Schedule**

- April 17<sup>th</sup> at 7pm held at the Ingham Co. Sheriff's Dept.
- May 15<sup>th</sup> at 7pm held at the Lansing Fire Station #8
- June 19<sup>th</sup> at 7pm held at the Ingham Co. Sheriff's Dept.
- 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.

# *VE Sessions, Club Meetings & Miscellany*

## **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:  
Apr 15 (special "paper only" day), May 13, 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  
7pm. Registration~Walk-Ins Welcome! Talk-In frequency is 146.880 + (100 hz. PL)

# COMPUTER WORDS

BY WA8LAY

## Word list

CAPACITOR	GROUND
CHARGE	HYSTERSIS
CHOKE	INDUCTANCE
COIL	IRON
COMPASS	LOOP
CONSTANT	LOSSES
COPPER	MAGNET
CYCLE	MUTUAL
EARTH	PEAK
EDDY	PHASE
EMF	RATIO
FREQUENCY	RELAY



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

## *Calendar of Events for April, 2000*

- 1st 5.39 Breakfast, Theio's (North East St.) 7:30am
- 7th CMARC Meeting 8pm, Lansing Red Cross (SKYWARN)
- 12th Old Old Timers Club Lunch 1:15pm
- 15th Special "Paper-Only" VE Session at Red Cross 9:30am
- 17th RACES/ARES Meeting 7pm. Ingham County Sheriff Dept.
- 20th LCDRA Meeting 7pm, Lansing Fire Station #8
- 29th QCWA Breakfast, Theio's (North East St.) 8am
- 29th Special Event 10a-4p Mason-at the courthouse
- 29th Mother's March 9a-(about) 2p \*Call Don Tillitson for Information
- 29th Science Olympia 2000 7:30a-Noon \*Call Dennis Boone for Information

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, I45.390 -600 100hz PL

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.

**Central Michigan Amateur Radio Club**  
**P.O. Box 27321**  
**Lansing, Michigan 48909-7321**  
**Return Service Requested**

Bulk Rate  
U.S. Postage  
**Paid**  
Lansing, MI  
Permit 919

We're In the ARRL Spotlight!!! <http://www.arrl.org/field/club/sscspot/2000/0322/index.html>



Central Michigan Amateur Radio Club

# *THE SCOPE*

Lansing Civil Defense Repeater Association

Serving Our Community Since 1921

April, 2000







Central Michigan Amateur Radio Club

# INFORMATION



Lansing Civil Defense Repeater Association

www.qsl.net/cmARC Serving Our Community Since 1921 cmARC@qsl.net



## The Central Michigan Amateur Radio Club & The Lansing Civil Defense Repeater Association WELCOMES YOU!

Amateur Radio. What's it all about? Amateur Radio is many different things to people of all walks of life. Among our ranks, you will find Doctors, Lawyers, Teachers, Truck Drivers and Moms, too-not to mention children of all ages, ranging from 8 to 80 years old. Something for everyone...that's what CMARC and LCDRA are all about.

## A Little CMARC History

The Central Michigan Amateur Radio Club was founded in 1921, when a group of 16 Amateurs first came together to organize their efforts, as well as for sharing ideas between themselves. At that time, of course, CMARC was known as the Central Michigan Wireless Assn. and

our Hobby was still in its infancy. With the groundwork laid, little more is mentioned until 1932, when still more informal meetings were held. It wasn't until 1950 that the Club members got organized and became affiliated with the American Radio Relay League. At this time, the members were meeting at 429 North Cedar St., in Lansing.

As time progressed, members of the Club moved to various locations in the Greater Lansing area, finally settling on the American Red Cross, 1800 E. Grand River, Lansing. We've been there ever since.

Among our Club's achievements, we count the Amateur Call Plates that adorn many Michigan automobiles, as well as having one of the State's best SKYWARN teams on hand 24 hours a day, as needed. Of course, for complete details of this Historical perspective, visit <http://www.qsl.net/cmARC> and take a look around.

### Our Meeting Schedules

- \* **CMARC** First Friday of each month, unless affected by a holiday. 8pm, Lansing Red Cross 1800 E. Grand River. Open to the Public.
- \* **LCDRA** 3rd Thursday of the month, bi-monthly. Lansing Fire Station #8, Grand River@ Marshall St. 7:30pm. Open to the public.

Talk-In for all meetings is **145.390** (100hz. PL Tone)

### Recommended Study Material

\* **Now You're Talking \$19** The comprehensive study guide for the Technician Class license. Contains a complete question and answer pool, as well as a wealth of information, useful to anyone interested in Amateur Radio. Available locally at Fulton's on Pennsylvania Ave. in Lansing.

\* **Gordon West (WB6NOA) Radio School.** Prices vary. From Technician through Extra Class, West delivers with his complete line of tapes and books. An excellent resource for all age groups.

\* All supplies necessary are available through the **American Radio Relay League**, 225 Main St., Newington, Connecticut 06111-1494. You may also call the **A.R.R.L.** by phone at (860) 594-0200 or by email at [pubsales@arrl.org](mailto:pubsales@arrl.org)



## Our Local Repeaters

-145.390 Okemos Repeater/  
SKYWARN (100hz PL)

-146.700 Lansing #1 (100hz PL)

-146.940 Lansing #2 (100hz PL)

-145.470 Onondaga/W. MI Link  
(100hz PL)

-224.980 Lansing

Repeaters Supported by LCDRA

## Other Lansing Area Repeaters-2 meter

-146.680 Howell #1 (100hz PL)

-145.210 Howell #2 (100hz PL)

-147.020 Owosso

-147.080 Charlotte

-146.880 Jackson (100hz PL)

## Other Lansing Area Repeaters-70cm

-443.700 Mason/WB8RJY

-443.625 Charlotte/N8HEE

-444.925 Holt/KE8DR

## Other Lansing Area Repeaters-6m

-51.700 Holt/WB8RJY

## Local VE Testing Locations

If you are interested in taking your test for an Amateur Radio license, or you just want to upgrade your current license, opportunities abound in the Greater Lansing area. Below you will find a list of Clubs that offer VE testing and we suggest that you contact the Club of choice beforehand with any questions. As with most testing sites, pre-registration is appreciated, but not necessary.

For all testing sites, you will need to bring the following with you: (if applicable) Your current FCC issued license, a photocopy of your license, all current CSCE's (if any), a photocopy of any current CSCE's, picture Identification (Driver's License), another form of identification, (2) #2 pencils and a black or blue pen and a check or money order for \$6.45 made out to either the ARRL/VEC or W5YI-VEC. Good Luck!

\*\*\*\*\*

-Lansing: Odd months, second Saturday. 9:30am registration, 10am start. Lansing Red Cross, 1800 E. Grand River, Lansing. Contact Joe Denomme, N8VYS (517) 589-5263. Talk-In 145.390 (ARRL VE)

-Corunna: Monthly, fourth Thursday of the month. 6:30pm registration, 7pm start. Corunna Red Cross, 704 W. Corunna Ave., Corunna. Contact Mark Mowery, AA8TC (517) 743-6176. Talk-In 147.020 (ARRL VE)

-Charlotte: Even months, second Saturday. 12noon registration, 12:30pm. start. Eaton County Sheriff Department, Charlotte. Contact Mark Korroch, WB8TGY(517) 645-2398. Talk-In 147.080 (ARRL VE)

-Howell: Odd months, second Tuesday. 6:30pm registration, 7pm start. Emergency Operations Center, Highlander Way, Howell. Contact Greg McDiarmid, AA5GO (517) 548-5893. Talk-In 146.680 (100hz PL) (W5YI VE)

\*\*\*\*\*

## Nets, Nets and More Nets...

*You want information Nets? Well, we got em around here...in fact, there are more than you can shake a crooked finger or a really big stick at! We've got a few listed below and please keep in mind that you may even be treated to the Amateur Radio Newslite, or an occasional Swap & Shop if you tune in. You just never know.*

-Lansing 145.390 Sundays  
8:30pm

-Howell 146.680 Sundays 9pm

-Charlotte 147.080 Sundays 8pm

-Onondaga 145.470 Mondays  
beginning at 8pm with Newslite

So, there you have it. A small look at the Central Michigan Amateur Radio Club and the Lansing Civil Defense Repeater Association.

We're growing, but we always can make room for one more, so why not come and check us out? You will find we are warm, friendly and personable and all ages are welcome. In fact, we have members in their 80's and up....and even a few under 10.

If you want more information about our Club or how you can get involved in Amateur Radio, email us. Our address is cmarc@qsl.net, or you can email Erv, W8ERV. His address is w8erv@arrl.net.

73 and we hope to see you soon!