



Central Michigan Amateur Radio Club

THE SCOPE



Lansing Civil Defense Repeater Association

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ICARES members participate in simulated emergency test

By The Portland Review & Observer October 26, 1998

Ionia County Amateurs Radio Operators (HAMS) met for a scheduled breakfast in Ionia on Oct. 3. A small group discussed the problems of a countrywide emergency requiring HAMS were ready to test a new repeater and antenna recently installed on Tricounty Electric tower in Portland. The Lansing Civil Defense Repeater Association made the repeater available and donated the antenna to our group. Dan Harger-W8BCI, Don Rickert-W8BQD and Jan Bradfield-KC8BFBK converted the commercial equipment to the HAM band. Brent Williams-WB8TRL climbed the Tri-County tower and placed the new antenna at 100 feet on the tower.

Ray Wardwell, Ionia County Amateur Radio coordinator, called the net to order at 9:45am. He passed control of the net to another HAM so he could organize traffic to be passed on the net. Messages going to state, district, counties and Ionia County political unites were listed with the net. HAMS called in to indicate traffic they could accept. When the net was closed at 3:00pm, messages for 15 political unites and 36 agencies had been processed by eight net control operators. Messages were delivered in Ionia County by local HAMS and messages outside the county were delivered on state traffic nets for delivery. During the county exercise, Curt Benjamin was the acting net control of the state QMN HAM CW traffic net.

The annual Simulated Emergency Test (SET) allows amateurs to train for net control, traffic handling, mobile operations and state net access requirements. Should the group be called out during an emergency, it can provide temporary communications in and out of the county. It would become cadre to train HAMS volunteers not familiar with procedures. The new repeater performed with complete satisfaction. A one watt hand held with roof mounted antenna worked through the repeater from Lake Odessa, which we have never been able to do.

Ionia County HAMS have been placing in the top 10 in the state in this annual national test of preparedness. The following HAMS from Ionia County Amateur Radio Emergency Service (ICARES) were 'Radio Active' in the test: Curt Benjamin-K8AI; Jim Hamilton-WA8KDP; Dan Holcomb-N8FUF; Donna Burch-W8QOY; John Schafer-N8ZMT; Denise Schafer-KC8FYW and Randy Wardwell-WB8VKL.

Anyone interested in emergency preparedness may call one of the members of ICARES or 647-7490 or 616-527-1983.

Reprinted with permission from The Portland Review & Observer. October 26, 1998 article.

Submitted by Dan Harger-W8BCI

“Doc” Gmelin, W6ZRJ, Dies

Former ARRL Pacific Division Director Jean A. “Doc” Gmelin, W6ZRJ, of Los Osos, California, died February 11, 1999. He was 71. An ARRL Honorary Vice President, Gmelin, was Pacific Division Director from 1968 until 1978. He also had served as an assistant Pacific Division director, as Santa Clara Valley Section Communications Manager, and as an Assistant Section Manager for public service and external relations in Santa Barbara.

First licensed in 1947, Doc was a past officer of the Santa Clara Valley Amateur Radio Association, the Merced Amateur Radio Association, and the Northern California Traffic Association. He was active in the Southern California CW Net. He was a member of the A1 Operators Club and had been active in RACES.

He was a Life Member of the ARRL and a member of QCWA, as well as a QST author and a Worldradio magazine columnist. A graduate of San Jose State University, he served in the Naval Reserve and later worked for several San Jose-area newspapers as a photographer. Later, he taught electronics and math and was audio-visual coordinator at a high school in Sunnyvale, California. He also was an avid duck hunter.

Pacific Director Brad Wyatt, K6WR, reports that a combined Amateur Radio and Masonic memorial service will be held Sunday, February 14, 2 PM PST, at the Los Gatos Memorial Cemetery, Los Gatos-Almaden Road, Los Gatos, California.

Gmelin's wife, Caroline, K6BGM, is among his survivors.

Ham Radio On Line - 12 Feb 1999

National Ham News

PSK31 GETS RAVES

Getting tired of the “same ol’ same ol’” on HF? From the father of AMTOR, Peter Martinez, G3PLX, comes PSK31, a “live QSO” keyboard-to-keyboard mode that occupies a sliver of bandwidth and offers terrific performance even under weak-signal conditions.

PSK31 isn’t new; it’s been around for a few years, but no one really took much notice until Martinez developed free software that works with a PC sound card. Suddenly, PSK31 has become the latest HF fad. Unlike ‘TOR modes, PSK31 does not use a synchronized linking—or handshaking—protocol to exchange error-checked data packets. Operationally, it’s much like traditional 45-baud RTTY. PSK31 has shown itself to be a real trouper in weak-signal situations. Some hams experimenting with PSK31 claim that it outperforms all other amateur modes for weak-signal work—including CW. Indeed, PSK31 signals are easy to overlook on the bands. Most PSK31 activity is concentrated on 14.070.15 and at 3.580.15 MHz. You’ll also find it on 40 meters at 7.035.15 MHz. On 15 meters, look for activity around 21.070 MHz.

To run PSK31, you need a PC that runs Windows that’s equipped with a sound card. PSK31 software is available via the Web). Your HF SSB transceiver should be very stable and tune in 1-Hz increments. The connections between the radio and the sound card are very straightforward.

Several versions of PSK31 software are available as zipped files. The latest PSK31 software includes a couple of tuning aids that make finding and tuning signals much simpler. The “official” PSK31 Web site is <http://aintel.bi.edu.es/psk31.html>, operated by Eduardo Jacob, EA2BAJ. The site also contains lots of information and links to other PSK31 and DSP-related sites, plus .wav files of PSK31 signals, so you’ll know what to listen for.

W1AW Station Manager Joe Carcia, NJ1Q, has experimented with the new operating mode, PSK31, at the Maxim Memorial Station. While it took a bit of effort to get the equipment to function properly, he says initial results were quite good. Plans are in the works to add this mode to the complement of modes available for W1AW visiting operators.

Some have questioned whether the FCC permits hams to use PSK31. The answer is a definite “yes,” although some confusion is understandable given the wording of Section 97.309(a) of the rules. Responding to an ARRL inquiry, the FCC amended the section in 1995 (Order DA 95-2106) “to clarify that amateur stations may use any digital code that has its technical characteristics publicly documented.” PSK31 is publicly documented and widely available, but the ARRL in late January took the additional step of specifically documenting the technical characteristics of both PACTOR II and PSK31 in a letter to the FCC.

You can now subscribe to the Mail List sending a message to: majordomo@aintel.bi.edu.es - Text: subscribe psk31; subject: Full name, Callsign
ARRL News Letter

King Hussein, JY1, Dies

Radio amateurs around the world joined in mourning the death over the weekend of Jordan’s King Hussein, JY1. Hussein, 63, died Sunday morning. The Middle East’s longest-reigning ruler, he’d been Jordan’s king for 47 years, taking the throne when he was just a teenager. His son, Abdullah, 37, succeeds him.

Hussein had earned a reputation as a catalyst for peace and as a conciliator in the Middle East. President Clinton is among the heads of state from around the globe gathered in Jordan today for King Hussein’s funeral.

Hussein was a life member of the ARRL. ARRL Executive Vice President David Sumner, K1ZZ, called him “an enthusiastic radio amateur whose support was invaluable to us in obtaining new amateur bands at the 1979 World Administrative Radio Conference.” Sumner recalled that in May 1979, International Amateur Radio Union President Noel Eaton, VE3CJ, was invited to Amman to meet with King Hussein.

“Jordan’s support of the Amateur Service was much in evidence at the conference that fall, and was a crucial element in our success,” Sumner said. The WARC-79 resulted in Amateur Radio’s gaining the 30, 17, and 12-meter bands. That same year, JY1 was featured in the film, “The World of Amateur Radio.” Hussein regarded his 1983 contact with Owen Garriott, W5LFL, on board the Space Shuttle Columbia, as a high point in his Amateur Radio activity.

King Hussein also participated in the historic 1995 joint Israel-Jordan JY74X operation on Mt Nebo, where hams from both countries participated in a Field Day-like operation. The King put

in appearances both on the air and in person, much to the delight of the participants and those waiting to work him and JY74X. Hussein’s friend Bruce “Blackie” Blackburn, W4TA/JY9BB, of St Petersburg, Florida, called him “one of the world’s most respected amateurs” and recounted many stories about King Hussein as a person and an avid Amateur Radio operator. “He was a wonderful guy, interested in everything and everyone,” he said.

Blackburn said King Hussein “promoted Amateur Radio to the hilt in Jordan” and saw to it that Amateur Radio classes were

King Hussein con't

instituted in elementary schools. King Hussein also dropped in on meetings of the Royal Jordan Radio Amateur Society in Amman. King Hussein also was involved with the early satellite experiments.

Hussein had been active in recent months from the US while seeking cancer treatment at Minnesota's Mayo Clinic. A QSO with JY1 was considered by many hams to be both an honor and a privilege. His elegant QSL card was prized. AMSAT Area Coordinator Bruce Paige,

KK5DO, in Houston, worked JY1 while the king was in the US last summer. "That was a very exciting moment for me," he said.

Pat Kilroy, WD8LAQ, says he enjoyed a three-minute contact on 20 meters with King Hussein in the fall of 1995. "JY1 was traveling aeronautical mobile, enroute to the United Nations. He insisted on me addressing him simply as 'Hussein'," he said. "In one of the oldest traditions in Amateur Radio, Hussein upheld that this kinship transverses not only age and nationality, but also between citizen and head of state.

All members of the Jordanian royal family automatically have Amateur Radio privileges in Jordan. Although the new king does not appear to have a call sign, King Hussein's widow—the American-born Queen Noor—is JY1NH. King Hussein's brother, the former Crown Prince

Ham Radio On Line - 9 Feb 1999

Local Interest

My Morning Toast...

All was going well this morning, till I decided it was time for a piece of toast. Last Fathers' Day my wife gave me a deluxe Kitchen Aid toaster. Let me tell you, this is easily the best toaster I've ever owned. She got it cheap through the WKAR auction, as it had not been bid on; I'm told it retails around \$130.00. Anyway, yesterday we wanted to clean it, and did the old turn it upside down and tap it over the trash routine. Got it nice and clean, but also made it quit working.

Now, I have never met a toaster that I couldn't fix, quite easily, until this one! I took the lid off, and to my astonishment it had a circuit board, several degrees more complex than my CMOS III keyer!!! Had a 32-pin IC, several transistors, umpteen caps, including a big mother, a relay, an electromagnet for the latch, umpteen resistors, several diodes, a couple of LEDs, two micro switches, and a 10k pot for the darkness control. I've built less complicated QRP rigs and worked the world! All it lacks is an RS-232 port. This toaster may well be suffering from a premature Y2K complex!

Just think, if this toaster had been made with vacuum tubes it would take up my entire kitchen. The heat of the tubes alone could do the toasting.

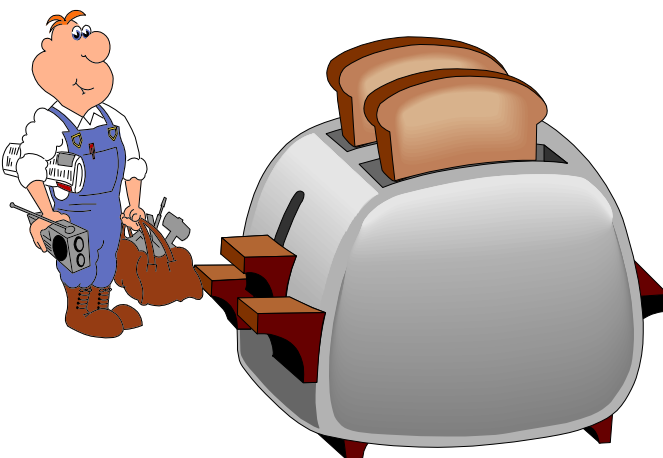
I had several bouts of hysterics, marvelling at its complexity. I got out my digital volt/ohm meter, and got nowhere. All the micro switches functioned. Gave it a good dusting with the compressor, no luck. Put it back together and tried holding combinations of switches while plugging it in to do a reset!!! It's a toaster, for God's sake!!!!

Perhaps I should write it up for QST? Is there a section in the ARRL Handbook on toasters? Maybe Jeff, WB8RJY will fix it for me, just for the laughs. He's bailed me out several times when my repair skills have fallen short. I can just see the look on his face when I walk into his shop with a toaster.

I'm sure I've voided the warranty, but may try to shame the company into fixing it anyway. I suppose my other alternative would be to bypass the electronic circuitry and hard wire the heating elements, add a 12 volt power supply for the latch, and run it with a darkroom timer.

I still have this pain in my neck from fits of shaking my head back and forth in incredulity. Don't be surprised if I drop by for breakfast some morning soon. It's been a long time since I've had toast.

John Kelly AA8LF



The '99 CMARC Board

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

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Club Calls: W8MAA & W8PLP
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The LCDRA Board

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Repeater Trustee: Dennis Boone-KB8ZQZ
LCDRA Call: WB8CQM
Meetings: Bi-Monthly on the 3rd. Thursday at 7:30pm. at the Meridian Township Service Center, 2100 Gaylord C. Smith Court; Okemos

CMARC SPECIAL BOARD MEETING

Jan. 16, 1999

Because CMARC's Board and regular January 8th meeting was cancelled due to expected snow accumulations and bitter wind chills, a "Special" Board meeting was called to discuss issues pertaining to the upcoming year. The meeting was held at the Delhi Café in Holt, and Pres. Erv/W8ERV brought the meeting to order at 2:15 p.m. with all Board members present. They were Pres. Erv/W8ERV, V. Pres. John/N8LLC, Treas. Bill/KB8TTS, Sec. Julie/KB8ZXR, Dir. Don/KB8RAD, Dir. Joe/N8VYS, and Under 22 Dir. Judd/KC8IRG. Judd's Father, Paul Gundersen, was invited to sit in on the meeting and made several welcomed suggestions. Also attending our Special meeting were two of the three members of the new Financial Committee: Dennis/KB8ZQZ and Don/W8BQD (along with his wife Hazel/K8KSX). The third member of the new Committee, Forrest/N8PWD, was out of town and excused.

Erv briefly outlined the role of the new Financial Committee, which was "voted in" at the November '98 meeting, and described how they will be paying close attention to

CMARC's credits and debits. Erv said that the regular yearly donations to the Red Cross and the Boy Scouts would be given without Committee approval, and explained that only "extra" donations or "unexpected" expenditures would be directed to the Committee for their approval. Don/KB8RAD made a motion that since we now have a Financial Committee, we should start the practice of having the books audited at the end of each year. It was seconded by Bill/KB8TTS and approved by all.

Erv then related to us some of the ideas he has for bringing money into the Club's treasury, such as holding car washes, Rock-a-thons, and Bike or Walk-a-thons. He said we could get the younger members involved with these events and the money made would not only go into the General Fund, but could also be used to allow the younger Hams to take field trips. He said the field trip idea might be a good way of enticing more kids to join the Club. SCIENCE DAY @ THE MALL: Joe told the Board he had received an application for us to participate in the 9th Annual Science Day @ the Mall. It will be held on Sat., Feb. 6 from 11 a.m. to 4 p.m. at the Meridian Mall in Okemos, with set-up from 9 - 11 a.m. A motion was made by Julie/KB8ZXR to participate in the Science Fair. It was seconded by Bill/

KB8TTS and approved by all. Joe said he and Pam/KB8PSF would be willing to oversee the project and make sure everything was taken care of. A check for \$30 was written for the rental of two tables. Each table comes with a cover, skirt, and 2 chairs. The Sec. will fill out the application, requesting electricity, and mail it as soon as possible.

HAM FAIR: Some of the topics we discussed are: (1.) LOCATION - We discussed the pros and cons of staying at the Fairgrounds. The pros - Don/WB8NUS said that Ingham County Fairgrounds lowered their rental by \$100, instead of raising it \$50, which we were told would happen. The cons - the Board has received many complaints regarding the difficulty in negotiating the tight isles at the Fairgrounds Community building, and were told by some that they wouldn't be back because of it! A suggestion to take out a row of tables and rearrange the room for more space was made, and will be relayed to Don/WB8NUS, who does the floor plan. Another thing to think about is the fact that there will be a wedding reception the night before and we will, once again, have to clean up after it. This means extra work for the kitchen crew, because they have to clean the kitchen before they

can even start to wash their own cooking utensils and then begin cooking.

Bill/KB8TTS, who is famous for attending just about every Swap there is, also expressed his concern of trying to improve our Ham Fair. He said he knew all the Swaps have been down in attendance the last few years but feels ours has suffered the most. He said he has also heard many complaints about the size of the bldg. and was also told, "we WON'T be back again this year". He urged us to do something to turn things around and said he feared if we don't act now, we eventually won't have a Swap at all. Someone then asked if a decision had been made against holding the Swap at the Alaiedon Elementary School. Erv replied that CMARC's membership had voted to go with Alaiedon, but when it was brought before LCDRA's membership (with the new information that the Fairgrounds was lowering the rental by \$100), even though LCDRA thought the new location was better, they voted to stay at the Fairgrounds. CMARC's Board then decided they would like to take the risk and spend a little more and maybe not make a profit this year, and go with Alaiedon. A motion was made by Bill/KB8TTS to talk with LCDRA and re-locate our Swap to Alaiedon. It was seconded by John/N8LLC and approved. The Board then asked Erv to talk with LCDRA's President again about relocating to Alaiedon Elementary School, and re-voting on the location at LCDRA's Feb. 18th meeting.

(2.) TIME OF THE SWAP: There have been complaints that we close too early in the afternoon and people who go to church get there as we're shutting the doors. We can't change the day because of other Swaps and the Dealers are booked, so a suggestion was made to add an hour. A motion was then made by Bill/KB8TTS to go from 8 a.m. to 2 p.m. It was seconded by Joe/N8VYS and approved.

(3.) FLYERS: One suggestion was to have about 1,000 flyers printed in February or March, so CMARC members could leave them at Swaps they attend during the year. Some suggestions for things that needed to be included on the flyer were: (A.) Listing the Swap as a "Ham Fair/Computer Show". (B.) Include a detailed map. (C.) Have a complete address along with phone number and possibly an e-mail address for the contact person (Don Tillitson/WB8NUS). (D.) Show the Club and ARRL logos. (E.) Tell what prizes we are giving out. (F.) Tell how many years we have been having the Swap. (G.) Advertise that we are having a DX Forum, VE testing, QRP, etc. (H.) Advertise that we are bringing in radio equipment and will be doing some

DX'ing, and then inviting the public to come in to experience a fun Hobby!

(4.) ADVERTISING: It was suggested that we do more advertising. Some places we could advertise are: in Ham magazines (QST, Nuts & Volts, Amateur Radio Trader); Public Service announcements on Radio, TV, and in the Shoppers Guide; and put flyers on the community billboard inside the Meijer's doorways, GM, and Fulton Radio. Another suggestion was that we send a flyer along with two free admission tickets for our Swap to a few other Clubs, like Jackson, Adrian, Shiawassee and Ft. Wayne.

(5.) SIGNS: It was suggested that we have more signs than we have had in the past, and that they be large and sturdy enough to be read as you are driving by (not just a flimsy piece of paper with an arrow on it that can be blown around in the wind). The signs at the freeway exits and roadway should be clearly viewable so as to direct someone unfamiliar with the area to the Swap. Another suggestion was that they be laminated so they can be reused next year.

(6.) PRIZES: It was suggested that we purchase a nice raffle prize like an HT and advertise it on the flyer. Don/KB8RAD said that we should shop around in the months before the Swap and buy an HT on sale to be used for a prize. Bill/KB8TTS said he could buy a Standard or Midland through his suppliers at wholesale cost for us. It was proposed that we buy both an HT and a mobile. The mobile could be given as the grand door prize, for which you would have to be there to win! John/N8LLC suggested contacting a computer business that might donate a small computer in exchange for advertising in the Scope. Erv asked that we table this discussion till the February Ham Fair meeting.

(7.) DEALERS: It was suggested that we contact a few computer places like Sky Tech and some others right away so we can get them ahead of time.

(8.) UNDER 22 TABLE: It was suggested that we have a table with Ham literature (Scouting, ARRL, etc.) for the under 22 age group at the Swap. Judd/KC8IRG will contact ARRL for comic books and other info and will be in charge of the table. He will ask Samuel/KC8HGG if he would be interested in helping.

(9.) MAKE IT FUN! : It was stressed by all that we make attending our Swap a "fun" experience, and make it especially inviting for even non-Hams! It was hoped that, with the earlier suggestion of bringing in equipment for on-sight DX'ing, even the non-Ham public could see how fun our Hobby really is.

MEMBERSHIP DRIVE: Erv mentioned how he had gone through the SAM data base of

licensed Amateurs, in just the city of Lansing, and said he couldn't believe how many names he hadn't recognized and knew had never visited the Club. He suggested it might be nice to send them a postcard or a flyer telling about CMARC and LCDRA, and inviting them to visit. (The Sec. said Bob/W9NIP had sent her a list of names a few years ago with the same idea. She said the Board had voted at that time to send out a mailing, but with subsequent deaths and resignations on the Board, the ball got dropped.) We then discussed the idea and agreed that it sounded like a good venture to pursue. John/N8LLC suggested that we hold off long enough so he could try to find the e-mail addresses for some of the Amateurs on the list, which would save us a lot of money.

Joe said it would be nice to get our own members to regularly attend the meetings. He added that one reason they didn't was because we don't have programs that interest them. He made a suggestion that we do more to plan "special" programs like we had done in the past, and then announce in the Scope (in advance) who our speakers will be, like we used to. He also said that we should get more involved with DX'peditions and contesting, and in making more use of our Club station.

AMATEUR RADIO CLASSES: Paul Gundersen (Judd/KC8IRG's Father) suggested having Amateur Radio classes. He said that in Arizona, where they are from, they had Ham classes that coincided with the local school year. He said that was how Judd got his license, along with several of Judd's friends. Erv said he had heard that Shiawassee and Livingston Counties were once again holding classes, and commented on how they always had such a large turnout. The Board thought it was a good idea and after a discussion, Don/W8BQD volunteered to be the Chairman for getting classes started in our area. Dennis/KB8ZQZ, who is also a member of the MSU Amateur Club, said he knew that MSU had expressed an interest in classes and that he would check with them to see if they would be willing to work with us in the venture. Joe made a motion to contact the ARRL for training materials and information on holding classes. The motion was seconded by Erv and approved by all. Erv also suggested contacting Ray/N8CPO from the L.A.R.K. group in Howell, and asking them what their curriculum is, how long they hold the classes, and if they teach code. Dennis said he would contact both the ARRL and Ray for the necessary information.

Julie/KB8ZXR made a motion to adjourn the Special Board Meeting. It was seconded by John/N8LLC and approved. We adjourned at

3:40 p.m.

Julie McLain/KB8ZXR-Secretary

CMARC BOARD MEETING February 5, 1999

President Erv-W8ERV brought the meeting to order at 7:35 p.m. All Board members were present, with Don-WB8NUS and Dennis-KB8ZQZ also in attendance.

Erv told the Board that Bill-KB8TTS had talked to him and the Secretary, earlier in the week, about giving up the position of Treasurer. Bill said that because of "time" constraints (what with running his own business and all), he just didn't have the time to do the job of Treasurer the way he wanted to. He said that if (because of his current circumstances) he could not give his utmost to the Treasurer position and do the job the way he thinks it should be done, then he would rather have someone else take the job this year. He would still like to remain on the Board as a Director, however. Since Joe-N8VYS had said at the December meeting that he would stay on as Treasurer if no one else wanted the job, the Secretary called him after her conversation with Bill and asked him if he would still be willing to do it. Joe graciously agreed and said he would get the books from Bill at February's meeting. Since only a Board vote was needed at tonight's meeting to make a change in their Directorships, Don-KB8RAD made a motion that we make Joe the Treasurer and Bill a Director. It was seconded by John-N8LLC and approved.

Erv talked briefly about the new Financial Committee (Dennis Boone-KB8ZQZ, Forrest Clark-N8PWD and Don Rickerd-W8BQD) and their responsibilities. He said that when any expenditures arise that are above and beyond our normal budgetary allowances, they will be tabled for one month so the Committee can look into it and then be brought before the Club for a vote. He also said that the Committee would be auditing the books at the end of each year.

Erv discussed the Board's desire (at the Special Board meeting of Jan. 16th) to have the Ham Fair at the Alaiedon School. He reiterated their request that he bring it before CMARC's membership one more time, and ask Clint-KC8EHR to bring it before the LCDRA membership again on Feb. 18th. Erv said he and Don-WB8NUS visited the school today and took measurements. He said the principal, Mr. "S", said we could have the foyer, gym and stage, 1 medium hall, and 2 small hallways. Since we are having VE testing on a regular basis, and there is no place to have

it at the School or Fairgrounds, it was decided we wouldn't have VE testing at the Swap. We will, however, be having a DX Forum hosted by Bil-W8EB and Ron-ND5S (9-10:30 a.m.) and a QRP Forum by Bob-W9NIP (10:45 a.m.-12 p.m.). Erv said he would also check into the possibility of being able to set-up on Saturday, if it didn't cost us any more. Erv said we will also be having an Under 22 Table this year at the Swap. He said that Judd-KC8IRG had already ordered and received some information from ARRL for it. Judd will use some of it for "Science Day at the Mall" on Saturday, and will order more, if needed, for the Swap.

Dennis-KB8ZQZ, who took immediate action following the Special Board meeting of Jan. 16th where the idea of having Amateur Radio Classes was first discussed, has acquired information for starting the classes. He has tapes and manuals for the Technician Class license, along with other materials. He will give an update at the regular meeting tonight. The Board is hopeful of having classes started some time between March and April. Don-WB8NUS said Target Stores will be giving out "A Million Hearts" Valentine's Day ballots that give Target shoppers the right to vote for their favorite charity. A million dollars will be donated by Target to be divided between five charities depending on the percentage of ballots per organization. The balloting will be held from February 7th - 13th and it would be nice to show our support for the Red Cross by voting for them at that time. A motion was made by John-N8LLC to adjourn. It was seconded by Joe-N8VYS and approved. The meeting adjourned at 7:59 p.m. Julie McLain-KB8ZXR-Secretary

CMARC MEETING

February 5, 1999

President Erv/W8ERV brought the meeting to order at 8:05 p.m. We had 42 members and 5 visitors in attendance. OUR VISITORS were: Brian Ball; Nick Cannarile; Kim Gorrell; Davidson Russell; news reporter Kathy King from WLJ TV-53 and her cameraman; and our guest speaker, ARRL Vice Director of the Great Lakes Division, George Race/WB8BGY. NEW LICENSES OR UPGRADES: Erv/W8ERV happily announced that he got his Tech Plus upgrade on Jan. 9th. Congratulations, Prez! VANITY CALLS: Troy Creed/KA8BMM is now W8TCC.

INTERESTING DX CONTACTS: Erv said he made his first contact on 10 meters last Sunday with an Amateur in Tempi, Arizona, who gave him a Q5 for a signal report. He also spoke to Hams in Germany, Spain, and Lon-

don. Bernie/N8PVZ said he talked to a WT2Z in the Virgin Islands and a VE8 in the Northwest Territories of Canada, both on phone and QRP. He said they were both about 1800 miles away and he worked them on 3 or 4 watts. ANNOUNCEMENTS: A dear friend and member of both CMARC and LCDRA, Linda McNease/W8LIN, was recently diagnosed with brain cancer. They operated in January and removed one tumor, only to find many more smaller ones. She is currently undergoing chemotherapy and the Doctors have given her from 6 months to 2 years to live. She has recently moved to Arizona to be with her parents and misses everyone back here. Please keep her in your thoughts and prayers. (You may write to her at 17843 North 19th Street in Phoenix, AZ 85022 or e-mail her at w8lin@juno.com).

Science Day at the Mall: It will be held on Saturday, February 6th from 11 a.m. - 4 p.m. at the Meridian Mall in Okemos. (See Jan. 16th Special Board meeting minutes.)

Races Meeting: The meeting will be held on Monday, February 15th, from 7-8 p.m. at the Ingham County Sheriff Department in Mason, in the Paul Cole room.

Upcoming Swaps: On March 21st will be the Toledo Mobile Radio Association's Swap in Ohio. More details will be given on the Sunday night nets.

Lansing's VE Testing: There will now be regular VE testing on the second Saturday of the odd months. The next two testing dates are March 13th and May 8th. The tests are given at the American Red Cross in the Kropschot Room. The tests will start at 10 a.m. and examinees are asked to be there at 9:30 a.m. for registration. Please bring two forms of ID (one with a picture), two #2 pencils, a pen and any CSCE's or licenses. For more information contact Joe Denomme/N8VYS at (517) 589-5263.

Ladies Night/Awards Banquet: The May 7th Banquet will take place this year at Coral Gables located at 2838 E. Grand River in East Lansing. It is Handicapper accessible with plenty of free parking, and our room is on the main floor (no stairs) near the restrooms. Please watch the Scope for further details.

OLD BUSINESS: A motion was made by Don/W8EGI to accept the Secretary's report as written in the Scope. It was seconded by Bernie/N8PVZ and approved. A motion to accept the Treasurer's report as written in the Scope was made by Bernie. It was seconded by Steve/K8JNP and approved.

NEW BUSINESS: Erv told the membership some things that the Board discussed at their Special Board Meeting of Jan. 16th. (Please refer to those minutes and tonight's Board minutes for complete details.) One of the many

things the Board is working on is Amateur Radio Classes. Dennis/KB8ZQZ, who is working with Don/W8BQD in getting the project started, gave an update on what they have accomplished since the Jan. 16th meeting. Dennis contacted the ARRL and received a video course and instructor's manual, etc. for the classes. He talked to John/AA8LF who is willing to teach 3 weeks of CW. Dennis also contacted the MSU Club about participating in operating the classes. He said a member of their Club was willing to help teach, and the Faculty Advisor (Dr. Michael Shanblatt/K8MAS) was willing to do the lesson planning and a fair amount of teaching himself. They would like some additional people to teach some of the materials. Dr. Shanblatt said he thought there was a room in the Engineering Bldg. on campus we could use along with any AV equipment that will be needed. A date and time haven't been decided on as yet, but it was felt that a Saturday would probably work best at MSU, and parking then would not be a problem either. Please watch the Scope for more details, and if you're willing to help teach please contact Don/W8BQD or Dennis/KB8ZQZ.

Erv discussed the Board's desire for a larger area for Ham Fair, and their disappointment with LCDRA's disapproval of the Alaiedon School location for this event. He said the Board has asked him to bring the subject of moving it to the Alaiedon location before our membership, once again, for another vote of approval. They also would like LCDRA's President, Clint/KC8EHR to bring it to the LCDRA membership again at their February 18th meeting. (See Special CMARC Board Minutes of Jan. 16th for more details.) By going to the Alaiedon School it may cost a little more for the rental of the building, but we save \$125 for Liability Insurance, and \$82.32 for the Food Permit because the school has these covered. Also, the school cook will be doing all the cooking and clean-up which will make it easier on the kitchen volunteers. He said the Board had also voted on and approved, expanding the Swap by an hour, so it will be running from 8 a.m. to 2 p.m. [Secretary's note: During the later transcribing of the minutes for inclusion in the Scope, the Secretary noticed that due to the meeting being sidetracked by certain events that occurred, there was no motion, second made, or vote taken on the issue of moving to the Alaiedon location. Therefore, after discussing the problem with President Erv, it was decided that since CMARC's earlier vote (in Dec.) to go with this new location was never rescinded, we would just act on that vote, with further discussion at the March meet-

ing. With this in mind, the President of LCDRA (Clint/KC8EHR) could then proceed in bringing the location question before it's membership for another review and vote on Feb. 18.] A.C. Stoddard/W8KLN presented an unbuilt Heathkit Rotary Coaxial switch to Judd/KC8IRG in front of the Club. He also gave a couple of old computers to Samuel/KC8HGG that went with some equipment he had presented to Samuel at the December meeting. Mr. Stoddard said he and his wife/N8UVC are having an Open House some time in the first part of April and they're inviting new and young Hams to attend. He said he has built over 152 Heathkits over the years and has a collection of 60 antique Radios. He and his wife would like anyone interested to come for a "show and tell". He will announce the date and time later on.

145.39 Central Michigan Information Net: Erv introduced Chris Ranes/KC8CAJ who has graciously volunteered to be the regular Net Control on Sunday nights at 8:30 p.m. He has a lot of good ideas for the net and is going to have a regular "Swap and Shop" segment. Be sure to tune in for a good time of rag chew-

ing.

DRAWING WINNERS: The two lucky winners were Dave Humphreys/N8WTH who won a wrench set, and Ken Faiver/W8HNI who won a nice serving platter. We then took a short break to visit with our visitors and friends.

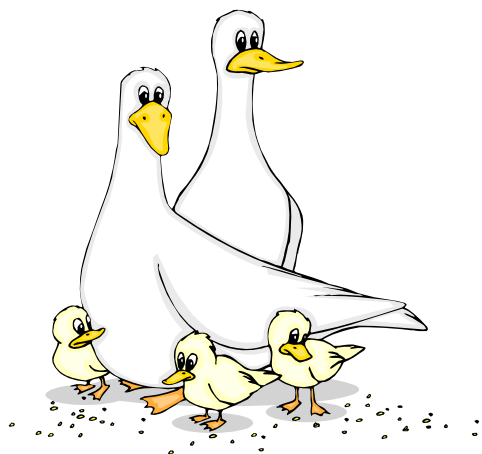
After the break, Erv introduced Kathy King and her cameraman from WLAJ TV-53, who were visiting our Club this evening. The reason they were here is that they had been working on a segment about King Hussein of Jordan who was pronounced clinically dead today, but still on life support. They had received a tip that CMARC was having a Club meeting tonight, and that maybe they could find someone here to interview who had talked to King Hussein on the air. They found Bill Chapman/W8TJQ, who had talked with King Hussein (15 meters) on August 29th, 1971. Bill said that on that date, he first heard an American calling "CQ DX!", and much to both their amazement, King Hussein/JY1 came back. Bill said the American was flustered and not knowing if he should call him "His Highness" or what... stumbled through his

QSO. The King then graciously offered to leave the frequency and Bill was scared to death that if he did, Bill wouldn't know where to look for him. Fortunately, the American said he would leave so the King could stay and talk, and Bill was the next one in line to work the King. Bill showed us the QSL card and said he had received the King 5 x 9, and that "he was really booming in". You could tell by Bill's moving account that it had been a very memorable occasion, and we all caught the DX "bug"!

Our guest speaker for the night was ARRL's Great Lakes Vice-Director George Race/WB8BGY, and as usual, he could have talked for hours... and we could have listened! George is always an excellent speaker and we always learn the latest ARRL and FCC "goings on". (See President Erv's letter in the Scope for more details.)

A motion to adjourn was made by Bernie/N8PVZ, seconded by Bill/KB8TTS, and approved by all. The meeting adjourned at 9:54 p.m.

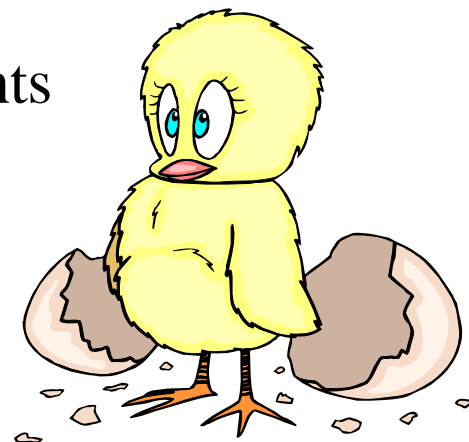
Julie McLain/KB8ZXR-Secretary



Tech Talk

Do to technical difficulties, the feature 'Tech Talk' will be starting in the next issue of the Scope.

Thanks for your patients



From The CMARC Prez:

At the February meeting, we were treated to a visit and presentation by Great Lakes Division Vice Director George Race/WB8BGY. George had an information-packed hour long chat with CMARC members where he outlined many of the coming events for 1999.

One of the most notable items was the statement by Race that he expected to see a decision on license restructuring reached and announced by or maybe even at the 1999 Dayton Hamvention. With all formal and informal comments to be completed, this is a pretty educated guess. Race cited the FCC and the League's penchant for "timing" such announcements at Dayton. This could be excellent news for Technician Plus, as well as Advanced licensees, since they stand to gain the most from this decision.

Vice Director Race also took time to cover the latest round of FCC activity in enforcement of Part 97 Rules. He spoke of the FCC's new "Top Gun" in enforcement, Riley Hollingsworth/K4ZDH showing up on 75 meters in mid January, the "surprise" station inspections in the Carolinas and offered an email address, as well as a phone number to reach Hollingsworth with your own reports of abuse. To contact Riley, you can send email to: rholling@fcc.gov, or call him at (717) 338-2502. For this Ham, it's about time and we support him 120% in his efforts to make our Hobby a little more like it used to be. And one more aside, Hollingsworth is NOT limiting his efforts to HF.....word of some action in the VHF bands has reached us, too!

A little more good news came from Race, with word of a "small gift" from the ARRL. For those ARRL members with online services, you may now have a FREE email redirector. All you have to do is register on the League's "Members Only" Web Site (URL found in QST) and you will have (your call)@arrl.net, which will send all email directly to your primary account. What this means, for those who (of necessity) need to change Internet Service Providers, you can do so and keep the same email address from now on. For all the details, visit the Site today.

Vice Director Race mentioned that the ARRL may soon bear a new name. An executive committee is in place to consider such a change and they want your input. A similar plan was abandoned in January, 1993. We'll know more in July of this year, but drop them a line and express your view.

And one final development from the February meeting, George had the unfortunate task of announcing (unofficially) the "clinical" death of Jordan's King Hussein/JY1. As we know now, the cancer-stricken monarch died Sunday of that week, but was on life support prior to that.

In addition to Race's announcement, members of WLAJ TV-53 showed up, seeking an interview with anyone who had worked JY1. Turns out that none other than Bill Chapman/W8TJQ was the lone person and he'd brought the QSL card with him to the meeting. By the time TV-53 reporter Kathy King was done, she'd spoken to not only Chapman, but myself and several others, piecing together a tremendously well done report, which ran on the Friday night 11 O'Clock news. By the way, we obtained a copy for the club and it will be shown at the April SKYWARN meeting, just prior to our training. A hearty thanks for some MORE Amateur Radio publicity. We've also been invited to contact Kathy with any club-related activities and she has offered to help us in the future. Maybe we can interest her in becoming licensed herself???

Thanks to all for your support, let's keep aiming for 300 by 2000 and "Dare to Dream"!

73, Erv

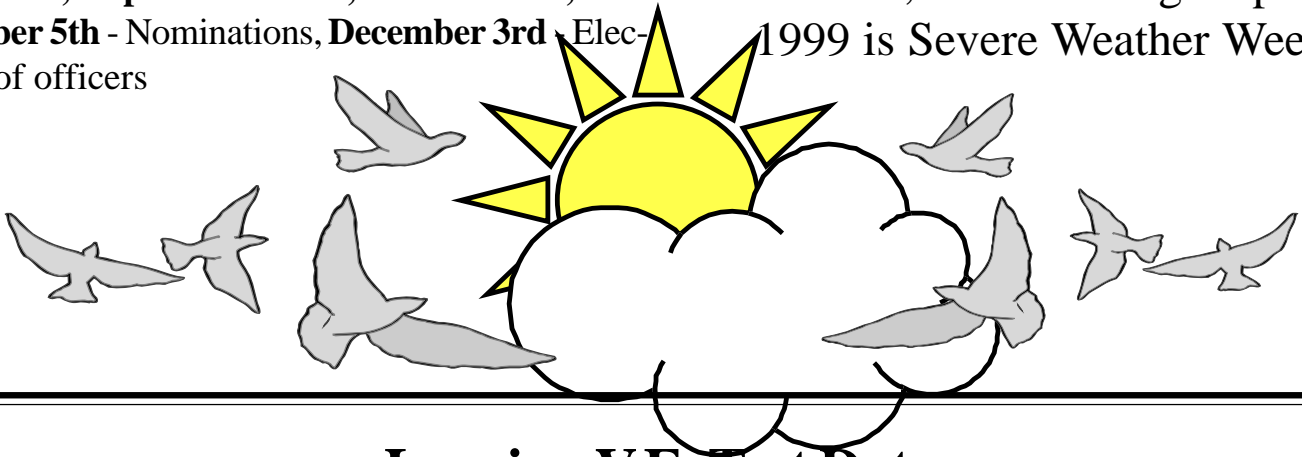
Classifieds & Special Announcements

1999 CMARC MEETING DATES

March 5th, April 9th - Sky Warn Class, May 7th - No meeting at the Red Cross. As usual, we will be holding the Ladies Night/Awards Banquet. **June 4th** - Field Day discussion, **July 9th, August 6th, September 10th, October 1st, November 5th** - Nominations, **December 3rd** - Election of officers

April 9th will be the CMARC meeting due to Good Friday being April 2, 1999 this will also be a Skywarn Meeting.

March 28, 1999 thorough April 3, 1999 is Severe Weather Week



Lansing V.E. Test Dates

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

Pre-registration starts at 9:30am and testing starts at 10:00am for the following dates:

Mar 13, May 8, July 10, Sept. 11 & Nov 13, 1999

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

National Weather Service Training for '99

February 18th: Jackson County Spotter Training. Contact Dorothy at (517) 788-5911 for time and location

February 25th: Ingham County Skywarn. Contact Sgt. Tom Foot at (517) 676-8223 or Mike Perez At (517) 676-8248 for time and location

March 2nd: Eaton County Skywarn. Contact Jim Welber at (517) 543-3312 ext 392 for time and location

March 24th: Clinton County Skywarn. Contact Steve Lehman at (517)224-4695 for time and location

March 28th to April 3rd is Server Weather Awareness Week

April 9th: Lansing Skywarn at the Lansing Red Cross at 8pm. Contact Don Tillitson at (517) 321-2004 for further information

April 15th: Ionia County Skywarn. Contact Dave Cusack at (517) 885-3744 for time and location

April 17th: Calhoun County Battle Creek Air Guard. Contact Jim Zoss at (517) 738-4050 for time and location

April 19th: Barry County Sky Warn. Contact John Hislop at (616) 966-3550 for time and location

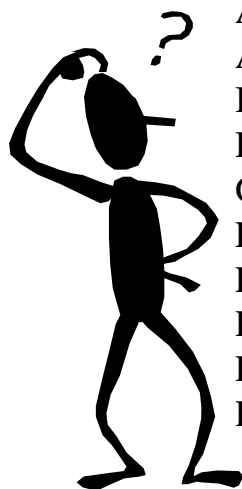
April 30th: 8:30 am, National Weather Service, Grand Rapids - Media Open House. Contact Mike Heathfield, (616) 956-7180 ext 726. Also: 12:00 pm, National Weather Service, Grand Rapids - Cooperative Observer & Skywarn Spotter Open House. Contact Mike Heathfield, (616) 956-7180 ext 726

May 1st: 9:00 am, National Weather Service, Grand Rapids - General Public Open House Contact Mike Heathfield, (616) 956-7180 ext 726

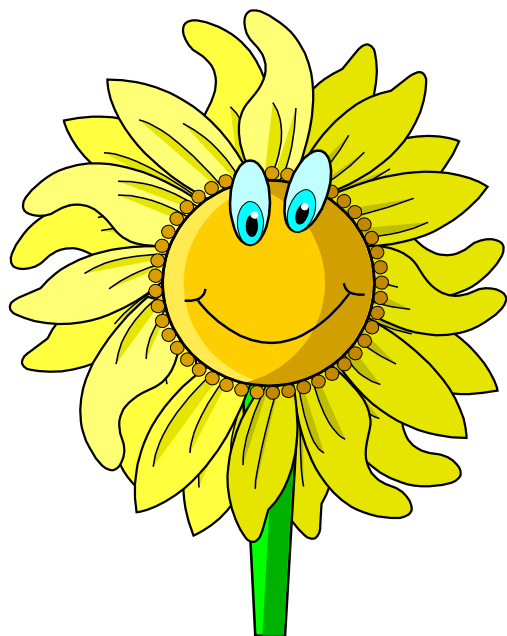
COMPUTER WORDS

BY WASLAY

Word list



ANGLE	RADIATION
ANGLE	REFRACTION
BEAM	SKY
DIPLOE	SPACE
GROUND	SPLICE
LINES	TRAP
LOSSES	TUNED
PARASITIC	VELOCITY
PLANE	VERTICAL
PROPATATION	VIRTUAL
RADIATION	WAVE
	WAVELENGTH
	YAGI



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

DIRECTORY ADDITIONS AND CHANGES

E-mail Address Additions:

1. PamDenomme-KB8PSF - denommeacctg@voyager.net
2. Don McLain-KB8RAD - KB8RADon@aol.com

Call Change:

1. Troy Creed-KA8BMM is now W8TCC

March

Birthday & Anniversaries

- March 4th: Sue St. Laurent-KF5LG's 50th Bday!
- March 6th: Bob Williams-W9NIP's 58th Bday!
- March 12th: Dale Moore-K8YRD's 71st Bday!
- March 22nd: Ken Harris Sr.-W8KWO's 90th Bday!
- March 26th: Forrest Clark-N8PWD's ?? Bday!
- March 26th: Lowell Hoyland-KC8ARG's 62nd Bday!
- March 27th: Douglas Risdon-KM8P's 59th Bday!
- March 28th: Mike Rhew-KC8DBP's 47th Bday!
- March 29th: Scott Terry-KF4JDP's 32nd Bday!
- March 30th: Marc Rosenthal-WB2FGV's 44th Bday!

145.390 Net Format

Preamble: *Welcome to the Central Michigan Information Net. This net is held each Sunday evening at 8:30pm on this frequency and is held for the purpose of sharing information and to promote goodwill between Amateurs. This is _____, and I will be your Net Control Operator for this evening. All Amateurs are welcome to join in and we ask that all comments and questions be directed to Net Control. Also, please bring your callsign slowly so we may accurately copy them.*

At this time, we are accepting check-ins which are mobile or short time. Mobile and Short Timers, please call Net Control. (note calls here)

At this time, we are accepting all regular check-ins... please call Net Control. (note calls here)

Announcements: * (check current Scope for announcements & QST for upcoming swaps, Contesting & Other Amateur interests.

* Central Michigan Amateur Radio Club meetings are held the first Friday of each month at the Red Cross, located on Grand River in Lansing. If you need directions, contact any Club member on this repeater.

*The 5.39 breakfast is held on the first Saturday of each month at Theio's on N. East St. at Lake Lansing Rd. in Lansing. Breakfast starts between 7:30am and 8am.

* QCWA net is held on Tuesday evenings on the 146.700 machine, beginning at 8pm. and they hold their breakfast on the last Saturday of each month at Theio's on N. East St. at Lake Lansing Rd. in Lansing, beginning at 8am.

Closing: At this time, we would like to thank all who took part in the Central Michigan Information Net and invite you back for the next week's as well. We will now return the repeater to general Amateur radio use and Good Night.

This is _____ now signing clear.

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

Join Today!

CENTRAL MICHIGAN AMATEUR RADIO CLUB, INC.

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

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

Name: _____ Call: _____

Address: _____ City: _____ State: _____

Zip Code: _____ Phone No.: _____ Class: _____

ARRL: _____ Your Birthday _____ Your Wedding Anniversary _____

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

Mail your check or money order to:
John Ingraham-NG8L, Membership Chairman
2807 Greenbrair Ave.; Lansing, MI 48912

Join Today!

Lansing Civil Defense REPEATER ASSOCIATION

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

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

Name: _____ Call: _____

Address: _____ City: _____ State: _____

Zip Code: _____ Phone No.: _____ Class: _____

ARRL: _____ Your Birthday _____ Your Wedding Anniversary _____

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

Mail your check or money order to:
LCDRA
P.O. Box 80106; Lansing, MI 48908

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Serving Our Community Since 1927

