



Central Michigan Amateur Radio Club

THE SCOPE



Lansing Civil Defense Repeater Association

www.qsl.net/cmarc Serving Our Community Since 1927 October 1999

For Your Consideration..A New U.S. Citizen Comes to CMARC.

With the coming of Fall, comes the promise of more Amateur Radio Operators returning to the air waves. While I normally devote this space to items of importance to our Hobby, I wanted to take a few minutes to share something special with you.

As a natural-born citizen of the United States of America, I can admit to you that I often take my freedom and liberty for granted, at times. For those coming into our great nation from foreign lands, however, those freedoms and liberties are not "guaranteed". They must earn them...and rightfully so. But the importance of those who come to our shores is not lost on me. I realize that if it were not for settlers, pilgrims, refugees and others who just plain wanted a GOOD life for themselves (and in some cases, for their families), this country wouldn't

be what it is today. The great "melting pot" of cultural diversity.

For my fellow Amateur and friend, Juan Pizano, N8YQR, the road leading to his citizenship was not an easy one. He had to study, learning about the United States and her struggle to establish the freedoms Juan can now enjoy. He had to learn about the various systems of government we deal with. He had to learn WHO the Supreme Court Justices were, by name. But this is the tip of the iceberg. So much more went into Juan's preparation, but time will not allow a complete overview.

Juan came to America several years ago, unable to speak English and without the basic necessities we've come to expect. For example, when shoes were not available to him, he fashioned them out of cardboard and string. You look at this man today....a man with a job, a family and good things and you don't see the hardships it took to get him to the place he is today. He has a ready smile, a warm handshake and a friendly disposition-all the things that exemplify not only our Hobby, but a good American citizen, as well.

We are proud to welcome Juan to the United States, as one of our own. Once a citizen of Cuba-but now an American. He is a good man, a wonderful friend and a true Ham. On September 22nd, in Grand Rapids, Juan's dream of his citizenship came to fruition. CONGRATULATIONS, JUAN! WELL DONE AND WELCOME! 73, Erv



WALDRON HITS MILESTONE

On July 28, 1999 the Industrial Emergency Responders Association (IERA) recognized ERT member Lt. Scott D. Waldron for participation in over 100 industrial emergency responses.

Lt. Waldron is the ninth ERT in Lansing and the first midnight shift ERT to receive this award.

Lt. Waldron is a Journeyman Torch Repairman on the midnight shift in Bldg. 302. Scott has been a volunteer victim's advocate and recently completed studies at Lansing Community College. He received a 4.0 in the LCC Heavy Rescue Class and a 3.5, with state certification, in the Medical First Responders class.

(as printed in the Lansing Fab Feature Line, 8/6/99)



National Ham News

League Opposes LA County Experimental Video Proposal

The ARRL has asked the FCC to deny an experimental license application by Los Angeles County, California, to develop a public safety video system on the 2.4 GHz band. The LA County proposal, filed August 9, seeks FCC authorization to develop an experimental system using four 10-MHz channels to transmit video images from helicopter-borne cameras to five remote receiving sites with active tracking antennas. The signals then would be retransmitted via terrestrial links to the public safety agencies involved.

In its objection, filed September 23 with the FCC, the League called the LA County proposal a "foot in the door" toward gaining a permanent berth in the 2.4 GHz band. "It is obvious from the experimental proposal that the County wishes to construct the entire system and then simply stay there," the League said. The ARRL said the FCC should authorize nothing more than a single 10-MHz video channel for a single transmitter aboard a single helicopter, to allow interference studies to be conducted.

LA County already is licensed for video operations on a single 2.4 GHz channel but says it encounters operational conflicts with broadcasters. The proposal targets the 2402-2448 MHz band, characterizing it as "underutilized" and asserting that current occupants—including Amateur Radio and industrial, scientific and medical instrumentation—would not suffer harmful interference. Amateurs have a primary domestic allocation at 2402-2417 MHz.

The League's objection said LA County's 2.4 GHz monitoring study was "significantly flawed" and "woefully insufficient," and that LA County would be unable to avoid causing "constant, harmful interference" to incumbent users. Citing ATV repeaters and video links as well as proposed amateur satellite operation, the

League said, the 2.4 GHz band enjoys significant use by the LA area Amateur Radio community. The League said these systems, and those of other amateur users, would be "seriously degraded or displaced" by deployment of the proposed experimental system.

The decision to grant the proposed experimental license is up to the FCC Office of Engineering and Technology's Experimental Licensing Division. In making its decision, however, the OET is expected to consult with the Wireless Telecommunications Bureau, which oversees Amateur Radio and the other affected services on 2.4 GHz.

In a separate, but related, filing on September 1, Los Angeles County and the cities of Los Angeles, Long Beach and Burbank requested a declaratory ruling from the FCC to "clarify its rules to facilitate public safety operations on the 2450-2483 MHz band" and to explore other spectrum allocations "to accommodate the growing demand for public safety airborne operation." (Reprinted from ARRL Bulletin, September 24, 1999)

FCC SETS SIGHTS ON BEEFED-UP 10-METER ENFORCEMENT

The FCC's Legal Adviser for Enforcement Riley Hollingsworth says hams can expect more rigorous enforcement on 10 meter issues next year. Over the Labor Day weekend, Hollingsworth told visitors to the Shelby Hamfest in North Carolina that the next area of enforcement would be the encroachment of unlicensed individuals into the 10-meter band and a crackdown on illegal RF amplifiers. His announcement drew loud applause from the Shelby crowd. Hollingsworth elaborated on the comments this week in an interview concerning this and other enforcement issues.

"We're coming on to ten months of rejuvenated amateur enforcement now, and two issues are clear—two areas we need to really crank up on next year," Hollingsworth said. "One is the incursion

into 10 meters by unlicensed operators—CBers and so forth. The other is sales of illegal equipment on the Internet and at hamfests." (Reprinted from the ARRL Letter, September 17, 1999)

ULS VANITY PROCESSING INCHES FORWARD

The FCC's new Universal Licensing System has moved a bit closer to resuming full-scale amateur vanity call sign processing.

Several lucky applicants who had submitted call sign requests in the pre-ULS era benefited in recent days from some "live" testing of the ULS vanity processing system. A few not-so-lucky applicants learned recently, however, that the FCC had to rescind some of those vanity grants it cranked out—and should not have—during those "test runs."

Until a couple weeks ago, no vanity call signs had been granted since August 4. The ULS has been accepting vanity applications since it inaugurated the ULS for the Amateur Service August 16, however. Some 30 vanity call sign applications dating from July were processed September 16. The FCC ran a batch of another 50 or so vanity applications September 21. "We're taking it slow," a ULS spokesperson said.

But while reviewing the vanity applications processed, FCC personnel found some that should not have been granted in the first place, because the applicants made various fatal errors in the application process. The FCC says those call signs will be cancelled and the applications dismissed. "And there will be plenty more, I'm sure," the spokesperson said, anticipating additional dismissals down the road. The FCC has the option of rescinding any grant within 30 days.

Barring any unforeseen major problems, the FCC anticipates additional "live test" runs before resuming full-scale vanity processing, possibly by month's end. Once that happens, vanity call sign processing will occur every day for eligible applica-

tions based on date of receipt. Gone under ULS are weekly processing runs and the dreaded work-in-process—or WIPs—stack of applications that were kicked out of the former automated system and designated for manual processing. Under the ULS, applications that would have gotten an additional manual review in the past now will be automatically dismissed and returned to the applicant for correction and refiling.

Vanity applications not accompanied by payments within the 10-day deadline will be dismissed automatically. The ULS now permits applicants to make credit card payments on-line. The fee for a vanity call sign application increased to \$14 on September 14.

In the wake of comments and criticisms about the difficulty of having to configure a dial-up connection with a particular browser (Netscape version 4.5 or higher, and version 4.61 preferred) to file an application, the ULS Task Force says it's planning to convert to electronic filing via the Internet. But a spokesperson says that is not likely to happen for another six to nine months. In the meantime, some have opted to file a paper Form 605 instead. (Reprinted from the ARRL Letter, September 24, 1999)

FCC DISMISSES FOUR APPLICATIONS AS EXAM AUDIT CONTINUES

The FCC has dismissed four Amateur Radio applications resulting from an examination session in Yonkers, New York, last spring, but its investigation continues. FCC Legal Adviser for Enforcement Riley Hollingsworth wrote the four applicants two months ago seeking answers to specific questions about the May 2, 1999, session conducted by Metro 70 cm Network Amateur Radio Club Volunteer Examiners under the ARRL-VEC. All four were warned that failure to provide the requested information would lead to dismissal of their applications. On September 9, Hollingsworth wrote the same four applicants to dismiss their pending appli-

cations.

Dismissed were an Amateur Extra upgrade application from Keith Murphy, KB2YOI, of Spring Valley, New York; a Tech Plus upgrade application from Keith Jones, KC2EDT, of Brooklyn, New York; an Advanced upgrade application from Winston A. Tulloch, KC2ALN, of Paterson, New Jersey; and an application for a Technician license from Claudies Anderson of Detroit, Michigan.

The FCC says Murphy, Jones, and Tulloch failed to respond to the initial inquiry, while Anderson told the FCC that the test papers the FCC questioned him about were not the ones he'd turned in at the exam session.

All four applicants were advised September 9 that "the issues surrounding the examination session" will have to be resolved before the FCC entertains another Amateur Radio application from any of them. Hollingsworth told the ARRL that the next step in the investigation would be to contact the Volunteer Examiners at the session.

In its initial inquiries to Murphy, Tulloch, and Anderson, the FCC questioned the appearance of blue markings next to most answers and asked which marks the applicants had placed on the answer sheets and if any marks were already on the sheet when it was handed out. The FCC similarly queried Jones about his Morse code answer sheet, asking if it was the only one he'd filled out on May 2 and if any of the answers were modified after he'd turned in the sheet; the others who took code tests were asked if they had written down any of their copy, and, if so, what they did with those notes.

Anderson also was asked if he was actually present at the test session and if he'd had access to an answer template before or during the test session. All four applicants also were asked to name the Volunteer Examiners who handed out their paperwork and to whom they gave their completed answer sheets, as well as any discussions they might have had with the examiners. (Reprinted from the ARRL Letter, September 24, 1999)

HARVARD'S W1AF: 90 YEARS OLD AND STILL GOING STRONG

The Harvard Wireless Club celebrates its claimed status as the oldest Amateur Radio club in the US with a special event operation on the weekend of October 2-3. During the club's 90th anniversary observance, members will attempt to work as many stations as possible around the world.

The Harvard Wireless Club—an ARRL-affiliated club—dates its origin to early 1909, when it was founded by Prof George W. Pierce. First known as the Radio Society of the Institute for Geographic Exploration at Harvard, the club assumed its current name the following year. The W1AF call sign dates back to the early 1920s. Frank Wright, N3OQB, is the current club president.

This year's 90th anniversary special event October 2 and 3 will include operation from three HF positions and one VHF position. W1AF will be on the air each day from 1200 to 0000 UTC—24 hours in all. HF SSB frequencies include 3890, 7270, 14,270, 21,370 and 28,390 kHz. HF CW will be 35 kHz up from the lower band edges. On VHF, look for W1AF on 50.150, 144.200 and 432.150 MHz SSB.

A special 90th anniversary QSL card will be available for stations working W1AF during the special event. QSL to Harvard Wireless Club, W1AF, Harvard University, 6 Linden St, Cambridge, MA 02138. For more information, contact the club at w1af@harvard.edu. The club's Web site is at <http://www.hcs.harvard.edu/~w1af/>



Local & Special Interest News

KB8QPA Silent Key...

It is with regret that we inform the membership of CMARC and LCDRA of the passing of Jim "Cheech" Miller, KB8QPA. Cheech became a Silent Key on Friday, September 10, 1999 at 6:45am.

Arrangements were handled by Gorsline-Runciman, with the celebration of Cheech's Funeral Mass on Monday, Sept. 13th at St. Jude's, 801 N. Bridge St., in Dewitt.

Arrangements were made, and a floral arrangement was sent to the Church from the Board and Members of CMARC. For those that knew him, Cheech was a regular at the 5.39 breakfasts, held each month at Theio's. Always witty and a fixture of our local repeater, Cheech was well-liked by everyone. He will be missed.



A Note to All Interested Members

I am in the process of writing a book called, "20 Questions (A New Amateur's Resource)". With the help of several Amateurs, literally the world over, I hope to complete this book in time for Dayton Ham Vention 2000 and offer it for sale, at a price to be determined later.

In addition to the project itself, I am planning to set aside a portion of the proceeds for the express purpose of drawing in new, younger Amateurs. It is my hope that I can accomplish this by presenting a book that is both easy to read and full of useful information for New licensees, as well as those interested in our Hobby.

I am covering, at this time, the subjects of QRP, Antennas and Propagation, HomeBrewing, Public Service, The Digital Modes, Contesting & DX'ing and EME, Meteor Scatter, Satellite and Outer Space Communication. If you feel you have the time and expertise to answer about 20 questions in one or more of these areas, please contact me immediately. You can email me at w8erv@arrl.net or call me at 517-676-2710 anytime. You can also page me at 517-229-8938.

I realize that this is a BIG project, but I also realize that this book can be a great tool to new and prospective Amateurs, if we find the right people to contribute to it. Please consider sharing your knowledge with others and make a difference in the future of our Hobby. I look forward to hearing from you.

73, Erv W8ERV

ARRL Members, Please Take Note:

Starting in late September, Great Lakes Division League Members will have a unique opportunity. You will again be called on to elect your Division Leadership for the next three-year period. Both Director and Vice Director positions are up for reelection. Your ballot should arrive at your home by October 10. It must be marked and mailed back, so that it is received no later than Noon, November 19, 1999 at League HQ.

Looking back at the past two elections, 48% of the Membership voted in 1998. In the 1996, the returns were only 36%. Your help is needed to turn out an even greater number of voters for this election. Please talk up the election on your nets, and bring it up at your Club Meetings. Lets try to get as many ballots returned as possible.

Your vote can make a difference. Why not mark your ballot and get it in the mail today. Don't let others make your decision for you. Returning your Ballot, for the Great Lakes Division election, will be appreciated by all of the Candidates taking part in this important event.

The '99 CMARC Board

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

Our CMARC Officers:

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

The LCDRA Board

Our LCDRA Officers:

Pres: Clint Hannahs-KC8EHR ph: (517) 882-1799
Vice Pres: Don Clark-N8XME ph: (517) 669-4586
Sec: Scott Newfer-W8SRN ph: (517) 381-8148
Treasurer: Don Tillitson-WB8NUS ph: (517) 321-2004
Dir: Hal Bell-W8LAY ph: (517) 484-0962
Dir: Don McLain-KB8RAD ph: (517) 694-0812
Repeater Trustee: Dennis Boone-KB8ZQZ
LCDRA Call: WB8CQM
Meetings: Bi-Monthly on the 3rd. Thursday at 7:30pm, at the Meridian Township Service Center, 2100 Gaylord C. Smith Court; Okemos

Central Michigan Amateur Radio Club Treasurer's Report

Account Balances as of September 10, 1999

ASSETS:

Cash & Bank Accounts	
Mich. Nat'l Bank Checking	\$726.88
USPS Postal Deposit	<u>\$378.07</u>
TOTAL Cash & Bank Accounts	\$1,104.95
Other Assets	
Comerica Bank CD	<u>\$1,291.53</u>
TOTAL ASSETS:	\$2,396.48
LIABILITIES:	\$0.00
TOTAL NET WORTH:	\$2,396.48

Income & Expenses: August 7 - September 10, 1999

INCOME

Coffee Fund	\$4.00
Dues	\$0.00
Directories	<u>\$0.00</u>
Boy Scout-FD Deposit Refund	\$25.00
TOTAL INCOME:	\$29.00

EXPENSES:

SCOPE Mailing	\$0.00
Service Charge	<u>\$13.38</u>
TOTAL EXPENSES	\$13.38
TOTAL NET INCOME	\$15.62
Transfer from checking to Postal Deposit	\$300.00

Respectfully Submitted,
Joseph Denomme-N8VYS, Treasurer

A little black box of jewels and rocks, with lanterns that flicker and glow
Make lighter the gloom in my little back room where often I haste to go
An anthem it peals of whistles and squeals, and of voices so ghostly and queer
That you'd never decry, should you chance to pass by, what a brotherhood foregathers here!

Each separate tone has a soul of its own: each voice is the voice of a friend.
United through space in this gathering-place at the radiant rainbow's end.
Reverberant sounds ride the wave that rebounds like the waves of the sea, from afar,
Reporting the doings, the comings and goings of brothers, wherever they are.

A curious band, spread over the land, yet joined from equator to poles
Disperses the gloom in each little back room by this magic communion of souls
I could part with a lot of the things that i've got, but I'll carry my love to the tomb
Of that little black box and the joys it unlocks when I enter that little back room

by Max P Vander Horck, WA6HUW in QST, November, 66

HAM FAIR PLANNING MEETING

AUGUST 29, 1999

CMARC's President Erv/W8ERV brought the meeting to order at 2:15 p.m. Others attending were: LCDRA's President Clint/KC8EHR; Don/KB8RAD; Hal/WA8LAY; Don/WB8NUS; Don/W8BQD; Hazel/K8KSX; and Julie/KB8ZXR.

FORUMS: Erv said he had received confirmation for the DX forum planned for our Ham Fair, but still hadn't heard about the QRP forum. Erv also said he had received complaints about last year's small room for the forums, but that there isn't anything we can do about it at our present location. He said that with the lack of interest and help, he wasn't willing to change location for next year. Clint suggested that we put up a tent or awning outdoors for the forums. It was mentioned that we don't know what the weather will be on Oct. 10th, and that it could be expensive if we rented one and had "them" put it up for us. It was suggested that if it was a nice day, maybe we could at least set chairs up outdoors for the forums.

Erv told the group how he had contacted several places about letting us hold a car wash to raise money for our door prizes, and said he never heard back from them. He then asked what we wanted to do about the prizes, since we already committed ourselves by putting on the flyers that we are going to have better ones this year. From there a discussion ensued and it was decided to go ahead and purchase an HT for the major door prize, anyway, with funds we have currently at our disposal. (Erv will contact Barb and Duane at Communications Data Corporation about getting an HT from them at their cost.)

DRAWING PRIZES: After some discussion regarding the drawing of the HT, it was decided that: (1.) The major drawing for the HT will be at 10 a.m. (2.) We will give the winner one half hour to claim the prize – announcing the winning number every 5 minutes. (3.) If the winner does not claim the prize (because they left the Ham Fair already), we will mail them a check for \$150 instead (because

it may not be possible to determine if they are a licensed Ham), and then raffle off the HT. (4.) If the winner IS there, we will give them a choice of the HT or the \$150. (5.) If they are NOT licensed, we'll give them "cash" only! We may not be under any "legal" obligation to prevent unlicensed individuals from receiving our HT door prize, but as Hams, we are certainly under a "moral" one, and have a vested interest in protecting our hobby from "bootleggers".

TICKETS: We will have different color tickets for the Ladies Prizes, the 50/50 drawings, and the HT raffle.

TALK-IN: Hal said he would be doing the talk-in from 5 a.m. to 10 a.m. We still need one other person and will contact Ralph Riggs/N8YQJ.

TABLE SET-UP: Don/WB8NUS said his grandson, Jeremy, will be there to help, and Don/KB8RAD said he would contact Juan/N8YQR about helping, as he has helped for the last few years and would most likely be willing to help again this year.

LIABILITY INSURANCE: Don/WB8NUS said our Liability Insurance is all taken care of. Don asked permission to reserve the Ingham County Fair Grounds Community Hall for Oct. 2000. He also suggested that we send George Race/WB8BGY (the ARRL Great Lakes Division Vice Director) a "complimentary" ticket to our Ham Fair this year, since he always makes a point of attending every year to represent the League. Everyone present agreed that he should be sent one compliments of CMARC and LCDRA.

FOOD HANDLING PERMIT: Julie/KB8ZXR will be getting the permit and has an appointment scheduled with Fred Mauer at the Ingham County Health Dept.

REPEATERS: We will have the PL turned off on all 3 repeaters starting Friday, Oct. 8th through Sunday, Oct. 10th to facilitate their use by out-of-area Ham Fair visitors. Clint will also make sure that around the middle of September, the 145.39 repeater will start announcing the Oct. 10th Ham Fair.

LIGHTS AT THE ENTRANCES: Clint volunteered to take care of the lighting logistics for Ham Fair, and said he has a strobe light we can use. Don/WB8NUS

said he has an amber beacon we can use, as well. Julie also mentioned that the "1/2 Off Card Shop" sells a dozen helium balloons for \$4.95 and suggested that we could put 6 at one entrance and 6 at the other, on the gates. It was approved to purchase the balloons. We also have 3 Ham Fair banners we can hang on the gates at the entrances. (Julie found one in the CMARC radio room and Don T. has 2 more.)

SECURITY: Clint will be in charge of security. All security people will have badges and Clint will have them bring flashlights.

SUPER SALE: The "Super Sale" will be in the big arena the same day as our Ham Fair. It was suggested that we exchange flyers with them. They can advertise us and we can advertise them.

VOLUNTEERS WE STILL NEED:

1 more for Talk-in
1 for 50/50 Tickets
2 more for Ticket Sales
2 more for Kitchen Duty
Many more for Set-up

VOLUNTEERS WE HAVE:

Ham Fair '99 Committee Chair: Erv/W8ERV
Public Relations Chair: Pam/KB8PSF
Layout Coordinator: Don/WB8NUS
Announcements/Host: Scott/N8YRN
ARRL/CMARC/LCDRA Table: Don/KB8RAD
CMARC's Under 22 Table: Judd/KC8IRG and Samuel/KC8HGG
Security: Clint/KC8EHR, Chris/KC8CAJ, Joe/N8VYS, Cary/KC8JKA, Bill/KB8TTS, Scott/WD8SDW
Kitchen Staff: Julie/KB8ZXR, Jane/KC8FSK, Joyce Clark, and possibly Karen Crawford
Ticket Sales: Scott/W8SRN, Don/W8BQD, Forrest/N8PWD, Randy/KC8IHV
Talk-in: Hal/WA8LAY
Ladies Table: Mary Lou Tillitson
Julie McLain/KB8ZXR-Secretary



CMARC BOARD MEETING

September 10, 1999

President Erv/W8ERV brought the meeting to order at 7:35 p.m. All Board members were present except for Bill/KB8TTS (who was excused for a funeral), and Judd/KC8IRG (who was going to be late). Visitors to the Board meeting included: Don/W8EGI (CMARC's Resident Agent), who brought in Non-profit Corporation forms to be signed by the President; Don/WB8NUS, who brought in the table layout he has been working on for the October 10th Ham Fair; and Dennis/KB8ZQZ & Mike/K8MAS (both members of CMARC and the MSU Club), who came to discuss the joint CMARC/MSU Amateur Radio training classes and to get a list of people interested in helping with their efforts.

Erv gave Dennis and Mike time to address the Board with their ideas about the classes. Mike, who is a professor in the Engineering Dept. at MSU (where their Radio Club is located), said there would be no problem with using their facilities. He also said he had secretarial help that could do any necessary copying, typing, etc., that might be needed for the classes. We discussed and consolidated our ideas and came up with the following: (1.) We would like to start the classes in mid-January. (2.) They would be held once a week, for about 10 – 12 weeks. (3.) The classes would be about 1½ hours long. (4.) We would publicize the classes by contacting area Jr. and Sr. High Schools and the Boy and Girl Scouts. (5.) We would also announce it on the CMARC and MSU Web sites, and in the Lansing State Journal, Community News, and on different TV channels' "Community Calendars". Erv also suggested that we could have The Lansing State Journal, TV-47 or TV-10 come out, once the classes got started, and do a news story on Amateur Radio and the classes.

Mike also asked the Board to approve the implementation of a task force to start organizing the plans for the January classes. A motion was then made by Julie/KB8ZXR to approve the forming of a joint task force. It was seconded by Don/KB8RAD and approved. Mike said

he would like the names and e-mail addresses of those interested in working on the project. The Secretary said she would send a sign-up sheet around the room during the Club meeting.

Erv said we would be putting the phrase "Return Service Requested" (below our return address) on the Scopes being mailed out in September. This will, according to the Post Office, guarantee that all Scopes that cannot be delivered because of wrong addresses will be returned to us, AND with the correct address. (Please see the September Scope for more details.) It will cost the Club 33 cents for each returned Scope, but we should only have to do this for one mailing, and then we can get our mailing list up to date.

Erv said he had recently received the three publications that the ARRL donates for Ham Fair door prizes, and also that he had purchased an Alinco DJ-195 for \$170 to be used for the grand door prize at the October Ham Fair.

The President then read a letter that the Secretary had received from Glenn Sommerfeldt/KG8LE in which he thanked the Board and members for approving his application for Life Membership.

At the conclusion of our business, a motion was made to adjourn by John/N8LLC. It was seconded by Don/KB8RAD and approved. The Board meeting adjourned at 7:57 p.m.

Julie McLain/KB8ZXR-Secretary

CMARC MEETING

September 10, 1999

President Erv/W8ERV brought the meeting to order at 8:06 p.m. Erv then welcomed the 30 members who were present, and the 6 visitors.

VISITORS were: Joe Caswell, Abe Kibble, and Nick Clark (friends who came to the meeting together and are interested in getting their Technician licenses); Jean Devendorf (Don/W8EGI's wife); Juan Pizano/N8YQR; and Bob Trimback/K8RBT. Juan and Bob are actually members, but haven't been able to attend a meeting in some time, so we treated them like visitors! Bob reported

to the group that he is now back on the airwaves as he recently won an Icom 706 MK 2G from Icom's web site. Erv said to be sure to visit the web sites of the major Amateur Radio manufacturers because they are currently giving away a lot of stuff. He said he knows Kenwood, Icom, and Yaesu are participating, and that QRZ was giving away a VX-5R.

OLD BUSINESS: Because the Scope was mailed out late, the Secretary's and Treasurer's reports will be voted on at the October 1st meeting.

Erv read a letter he wrote to William Kinard, the President of the FCC (per June's CMARC meeting), giving thanks and showing support for the FCC and Riley Hollingsworth's efforts in cleaning up the Amateur Radio bands.

NEW BUSINESS: Mike Shanblatt/K8MAS, who is a Professor in the Engineering Department at MSU, a member of the MSU A.R.C., as well as a current CMARC member, addressed the membership concerning the joint CMARC/MSU Amateur Radio classes. Mike wanted the names (and e-mail addresses) of those interested in being on a team that would start developing plans for holding Amateur Radio classes. Mike said there would be no problem with using the MSU Club's facilities and there was plenty of parking. He also said he had secretarial help that could do any necessary copying, typing, etc., that might be needed for the classes. Mike said if we know of anyone else that might be interested in helping to teach or willing to do a code class to let him know. Mike's e-mail address is: mas@ece.msu.edu (Please see the Board minutes for more details regarding the classes.)

DRAWING WINNERS: Coincidentally, Prez Erv drew his own number, and refused to take one of the prizes, so a new number was drawn. (Secretary's note: I guess it makes sense that he declined either one of tonight's prizes because he obviously has no use for a "hair" dryer, and he recently bought some drawers—not the kind you wear, either!). The owner of the next winning ticket was Gus/K8KU who chose the hair dryer, saying that it worked great for "shrink wrap". Gus then drew Bill/W8SFA's number and

(CMARC Meeting Minutes Cont.)

Bill won the nice 3-drawer Rubbermaid storage unit.

A NEW U.S. CITIZEN: Erv called Juan Pizano/N8YQR to the front of the room and congratulated him on becoming a United States Citizen. Juan passed the exam to become a U.S. citizen in August and will be sworn in on September 22nd at the Gerald R. Ford Museum in Grand Rapids. Erv also presented Juan with an Extra Mile Award for all the work he has done, behind the scenes, for CMARC. We all gave Juan a round of applause and pictures were taken of Juan holding the cake we were serving tonight in honor of him. CONGRATULATIONS, Juan, on a truly great accomplishment!! (You probably know more about our country now than the rest of us who were born here!) The pictures and a write-up about Juan will be sent to QST.

EXTRA MILE AWARDS: Erv also had an Extra Mile Award to present to Karen Crawford, John/N8LLC's wife. Unfortunately, Karen was unable to attend because of work, so Erv asked John if he would present it to her on behalf of the Club. Karen, who does not even have a license yet, has offered to work in the kitchen for the Ham Fair, and has been doing all the collating, stapling, folding, labeling, and taping of the Scopes for the last several months. THANK YOU, Karen, for all your help. Your kindness and thoughtfulness are truly appreciated!! In addition, Erv had an Extra Mile Award to present to the Manager of the Mason A&W for all the food they donated for Field Day. Erv had been in contact with him about coming to tonight's meeting, but he could not make it either. Erv will see that it is delivered to him.

We took our break and got to eat yummy sugar cookies that Jane/KC8FSK baked, and the delicious chocolate cake in honor of Juan. The cake had white butter cream frosting and said in blue lettering: "Congratulations, Juan, on becoming a U.S. Citizen". It was decorated in red, white and blue drizzle, and Don/KB8RAD had bought a small U.S. flag to put on it for Juan to take home. We had a good time visiting and returned to the meeting.

Y2K COMMUNICATIONS: Tom

Shaver from Lansing Emergency Management, who was planning on addressing the Club tonight, was unable to be with us. Therefore, Clint/KC8EHR, who has been working closely with Tom, spoke to the group. Tom, who is responsible for making sure the City of Lansing is prepared in the event of an emergency, has formed a Y2K committee. They are now trying to get authorization for a communications annex for the State Emergency Coordinator. Tom wants to be prepared—whether Y2K problems occur or not. He is also looking for at least 20 Amateurs willing to be positioned at strategic points around the city just in case ordinary communications are disrupted at the New Year because of Y2K. Clint asked that, if we can't give a definite commitment to volunteering for this effort, could we please at least monitor our radios and be on call if backup is needed. He said there is also a chance that if the police radios go down they will need to have Amateur "ride-alongs". If you are interested in helping with communications please e-mail Clint Hannahs/KC8EHR at KC8EHR@arrl.net, or call him at 882-1799. Clint said we will mainly be using the 145.39 repeater if there are problems, and that all of our repeaters have backup power. If for some reason the 145.39 goes down, we will be using the National simplex frequency of 146.52. He also said the tones would be turned off on all the repeaters.

PROGRAM: The evening's program was a video brought in by Ken

Faiver/W8HNI entitled, "Getting Started in DX'ing". It was a very interesting video and I believe everyone there caught the DX Bug! There was a time for questions and answers afterwards and a chance to look at some QSL cards that were brought in.

A motion was then made to adjourn by Erv. It was seconded by Bernie/N8PVZ and approved. The meeting adjourned at 9:51 p.m.

Julie McLain/KB8ZXR-Secretary



SEPTEMBER VE EXAMS RESULTS

CMARC's 5th VE exam session of the year was held Saturday, September 11 in the Kropschot Room of the Lansing Red Cross. There were 3 examinees present, and all 3 were successful in passing the examinations they came for.

A big CONGRATULATIONS" go to Rodney Ball/KC8HGF, who took the 13-wpm code test and is now a full-fledged General; Kevin Ellis, who passed the elements needed to become a new Technician; and Erv Bates/W8ERV, who passed the General written exam. Way to go, guys!

The Volunteer Examiners who conducted the testing session were: Larry Nordeen/N8VEN (Liaison), Gus Kouklis/K8KU, Roy Uchigashima/N8GAQ, Don McLain/KB8RAD, Joe Denomme/N8VYS and John LaRock/K8XD. Also present, as non-VE "helper", was Julie McLain/KB8ZXR. A big "Thank You" goes to each Volunteer Examiner for the time they put in to have yet another successful VE session—and special thanks go to Larry, who has the responsibility of coordinating the session and making sure all of the paperwork is in order. Believe me, since I've attended the sessions as volunteer helper, I realize what an awesome responsibility that is!

Julie McLain/KB8ZXR-Secretary

Salvation Army Antenna

In the event of a severe disaster it would be very desirable to have a radio link with the Salvation Army headquarters on Pennsylvania Ave. We have the radio, the coaxial cable, the antenna and antenna mount. All we need is the manpower (experienced antenna installers) to get this antenna up before winter weather sets in. If you would like to work on this problem, just contact Don Tillitson-WB8NUS, who has the equipment and the ability to supervise the job if necessary.

LCDRA MEETING

AUGUST 19, 1999

At approximately, 7:45 p.m., Clint-KC8EHR called the meeting to order at the pavilion behind the Meridian Township Governmental Complex on Marsh Road as the township forgot to get us the key for our regular site at the Meridian Township Service Center. The following officers were present: Clint-KC8EHR, Scott-W8SRN, Dan-W8BCI, and Don-WB8NUS. Don-N8XME was excused. The following members of the association were present: Bernie-N8PVZ, Dan-W8MMQ, Bob-N8TNT, John-AA8LF, Hal-WA8LAY, Dennis-KB8ZQZ, Jim-KA8DDQ, and Ralph-N8YQJ.

Old Business - First, Scott-W8SRN read the minutes of the association's last meeting in June 1999. Scott reported that a technical glitch prevented Cary-KC8JKA from printing the June minutes in the August Scope. However, Cary said that the June minutes would be printed in the September edition. Scott also read the thank-you letters to John Schafer- N8ZMT and Brent A. Williams- WB8TRL.

Don-WB8NUS gave his treasurer's report. As of August 19th, the Association has a balance \$8,378.68. Since our last meeting, LCDRA spent \$270.46 and received \$412.99 in revenues. Don reported that we have 111 paid members with 39 people dropped from the rolls for non-payment. Last, Don informed us that Old Kent is now our bank due to a merger and will not be paying us as much interest on our accounts.

With respect to the swearing problem on the Association's repeaters, Dan-W8BCI reported that he spoke with the individuals involved, and it appears that the problem has been resolved. Instead sending out a letter, Dan moved that Clint-KC8EHR, who had earlier volunteered, speak with the scofflaw personally to ensure fairness. Don-W8BQD seconded the motion. Motion carried.

New Business: - Tom Shaver, Lansing's Emergency Management Coordinator, announced that the City had an eye-opener on May 7, 1999 when the severe storm, which packed 100 mph winds, roared through the area. As a result, the

City determined that it needed the local amateur radio organizations help in emergency situations. Further, Tom, who is currently studying to take his licensing examinations, told the Association that the Emergency Center for the Unified Command Team, which is composed of the Lansing Police Department, Lansing Fire Department, Lansing Board of Water & Light, and the City's Department of Public Works, will be moved to the basement of the Number 8 Firestation at Grand River and Marshall. A room in the EC will be specifically set aside for amateur radio operators so they can help the City with emergency communications. Tom stated that the City will purchase radios, antennas, and other equipment for our use. To help facilitate our integration, Tom asked for the Association to write an Annex for the City's Emergency Action Plan. Clint-KC8EHR, Hal-WA8LAY, Jim-KA8DDQ, Dennis-KB8ZQZ, and Scott-W8SRN volunteered to spearhead this endeavor.

Don-WB8NUS reported that the planning for the Ham Fair is going good. Right now, we only have 28 tables left to be sold. In fact, KC Accessories recently purchased several tables. Further, Don reminded the group that this is the last ham fair that he will be in charge of as he will not seek another term as treasurer.

Next, Dan-W8BCI reported that the group needs to purchase a back-up controller for our repeaters. Currently, each repeater has a controller, but there is no contingency for a malfunction that cannot be immediately fixed. Dan moved that we purchase another CAT-300 controller. Bob-N8TNT seconded the motion. Motion carried unanimously.

Dan-W8MMQ reported that the time-out-timer on the 146.94 repeater seemed to be set too short. Bob-N8TNT stated that he believed that the controller was timing-out the machine after the person had been transmitting for approximately 1-1/2 minutes. Dennis-KB8ZQZ apprised the Association that the timer should be set to 3 minutes, but he would check as to the exact length of the timer and adjust as needed.

In keeping with the repeater questions, John-AA8LF asked whether the 100Hz

tone had been turned on the 145.39. The group was informed that the controller was all set and the tone merely needed to be turned on. Dan-W8BCI moved that we turn on the tone immediately. Bob-N8TNT seconded. Motion carried.

As a reminder, Don-WB8NUS told those assembled that officer nominations and elections were to be held at our next meeting on October 21, 1999. Clint-KC8EHR directed that an announcement to this effect be placed in the September Scope.

Last, but not least, Don-WB8NUS moved that we adjourn for the evening. Bernie-N8PVZ seconded. As usual, the motion carried with no dissent.

Respectfully submitted,
Scott-W8SRN
Secretary

Just In Case - ARPSC

The Mid-Michigan chapter of the American Red Cross is making contingency plans for Y2K. While not expecting any great problems, plans call for opening as many as four shelters in the greater Lansing area. In the event it is necessary to open any shelters, our ARES-RACES group of trained operators, ARPSC, (Amateur Radio Public Service Corp), would be expected to furnish radio communications for the shelters.

Each shelter would require a maximum of two operators (or one operator and an assistant-trainee) plus two for the chapter house radio room and possibly another two for a link to the city OEC Emergency Operations Center. It is time to start making our communications plans "Just In Case" we are needed.

Remember, one reason we enjoy the privileges we have and the frequencies we occupy is our ability to respond in case of emergencies. Our record is good but we can not rest on our record. We must plan ahead and be ready to respond to Y2K or any other potential emergency.

Information From Director Candidate George Race - WB8BGY

What My 300 Word Statement Really Says, In A Lot More Words

("Quoted" paragraphs from are from my 300 word statement)

"Amateur Radio faces many challenges as we approach the Millennium. Let's meet them together! Antenna height restrictions, sharing our bands with Commercial interests, the imposition of RF Safety Regulations and wide-ranging changes in our Rules and Regulations are some of the challenges we face in the next three years."

We must work together as we move toward the year 2000 and beyond. One of the best pieces of work, accomplished by the Board, has to be PRB-1. You may not realize it but past Great Lakes Director Nathanson, W8RC, did much of that great piece of work during his service on the board many years ago. Several States have now adopted PRB-1 to serve as their guidelines when dealing with Amateur Radio tower restrictions. One of my goals, working with Division Amateurs, will be to see the States of Kentucky, Michigan, and Ohio adopt PRB-1 as the defacto means of dealing with Amateur Radio tower restrictions. I believe it can be accomplished, by proper petitioning of our three State's Congressmen and Senators. It will take a lot of work on your part as well to make this reality. The fight to keep Commercial interests from taking over Amateur frequencies has to be one of the highest priorities for any Candidate for League office. When reelected as your Director, I will keep you fully informed of any impending legislation that could impact our frequencies. You, as League Members and voters, do have the ability to persuade our Elected Government Officials to vote against these kinds of actions. But, you have to be informed and get involved to make it possible.

As I am sure you are aware, the current Board of Directors put their stamp of approval on suggestions for changing our Rules and Regulations last January. The impending FCC action is being awaited as I write these words. I know that Great Lakes Division Amateurs are concerned about the possibility of wide sweeping changes in our Part 97 Rules and Regulations. At this point in time, all we can do is wait for the FCC to announce the changes. Do I think it will have an effect on Amateur Radio? You bet I do! It will take all of us working together, to make whatever changes are announced, work smoothly and efficiently as possible. Then there will be the inevitable need to find tune the results of the Rule Making. I am sure that working together, we will be able to make the proposals that will be of benefit to all of Amateur Radio. Your input and opinions will be most important. As your elected Director, I will be looking for ideas and thoughts from all of the Division Amateurs, who I know are going to be affected, by this impending FCC Rule Making.

"The League needs experienced, energetic leaders who represent the mainstream of Amateur Radio and listen to members. Leaders who help members solve their problems and take ideas for improvement to the Board."

I have been a League Volunteer since early in 1979 when I became the Emergency Coordinator for Jackson County Michigan. Since that time I have served in most of the League positions at the State level. I became Section Emergency Coordinator in 1985. Over the next few years, working with Michigan Amateurs, I put together one of the most successful ARES/NTS/RACES programs in the Nation. During my six years as Michigan Section Manager, Michigan became the recognized leader in the National Simulated Emergency Test. Michigan became the first State in the Nation to integrate ARES, RACES, and the NTS into a comprehensive smooth working Organization. The story of these accomplishments, and how I did it working closely with Michigan Amateurs, can be found in the ARRL Emergency Coordinators Manual, and has set an example that has been followed by other League Organizations throughout the Nation.

As your Candidate for Director, I have the experience of 20 years of leadership in the ARRL. I have always been known as a good listener who takes pride in solving issues brought forth by Amateurs, League Members or not. What is most important is Amateur Radio. As your Director, I will do all that I can to promote your ideas and concepts, both at the Board Committee and Board Level.

"With 10 years as an elected ARRL leader, I have developed the understanding of complex issues that effective Directors need to best serve you, the member."

For almost 10 years I have served as your Vice Director or Director. During that time I have had the opportunity to serve on many of the Board Committees. Most of the work of the Board is done in Committee. What you see within the Board Meeting minutes is the result of months of work at the Committee level. The Committee level is where your Director and Vice Director have the opportunity to present their positions as directed by their Membership input. That is how you as a Member have your ideas and concerns inserted into the process. Serving with other Board Members on League Committees is where you start to fully understand our Organization called the League. It is here you learn how important it is to present your arguments, on behalf of the Membership, in a way that is convincing to other Members of the Committee. I have that kind of experience and can continue to serve your needs without needing any time to "come up to speed" on the Board. I am a Board Member that is often sought out by other Board Members for my opinion when difficult issues are at hand. My Board experience, respect of other Board Members, and recognized Leadership by other Board Members, make me the best choice for Division Director.

"I believe it is important to keep high licensing standards, retain CW as a requirement for HF band privileges, and provide a variety of HF and VHF operating modes for both existing and new Amateur operators."

We must continue to press the FCC for quality standards in Amateur Radio Licensing. In the light of new regulations, which we know will become reality sometime soon, we must strive to keep a balance between modes and privileges by License Class.

We need to provide a challenging path for upgrading without forcing unrealistic expectations on those who strive to become part of our hobby. At the same time we need to keep up the integrity of our existing License Classes for those who have worked hard to achieve their goals in Amateur Radio. We need to strengthen the knowledge of all who enter our hobby in both the technical and operating portions of the examination process. We need to continue to embrace the traditional aspects of our hobby. We need to be open to the exploration of new ideas that are sure to develop for Amateur radio in the years to come. And let's not forget, we need to keep Amateur Radio fun! How easy that is to forget, if we are not careful in the way we think about our hobby.

"Working together we can strengthen our commitment to Public Service communications, generate renewed interest in formal traffic handling, and build our Amateur Radio image to a new high."

As Amateur Radio Operators, we control many megahertz of prime spectrum. The only way we are going to continue to justify our control of so much spectrum is through our continued commitment to Public Service Communications. In the times of Disaster, knowledge of formal traffic handling is a must. We must continue to strengthen our support of formal NTS nets by bringing new members into the system. Our commitment to Public Service Communications for served agencies must continue to grow. Our public image is very important. Working together we must strive to do as much as possible to present a good image to non "Hams" which will attract them to our hobby as well.

"My Board activities, Club Meetings and Hamfest attendance, on the air activity, and responsiveness to your needs and concerns are the enjoyment I get from Amateur Radio. I provide our Division Web Site, widely used by Amateurs in our three Sections."

My personal enjoyment of the hobby comes in many forms. Although I enjoy on the air activities and nets, my greatest satisfaction comes from being able to provide a service to fellow Amateurs. Answering questions at a Hamfest, answering email correspondences, and helping you find solutions to problems, are just some of the things I take great satisfaction in doing. I get my enjoyment from seeing others put forth their ideas and concepts, as we work

together toward common goals for Amateur Radio.

I take a lot of pride in maintaining and keeping our Division Web Site up to date. There you will find all of the information pertaining to your League Leadership and League Programs in the three Sections of our Division. I invite you to link your Amateur Radio site to the Division Home Page. All you need to do is ask, and I will put a link to your sight on the Division Links Page as well.

"I host mailing lists that keep Division Amateurs up to date on the latest happenings. If you want the latest news, contact me at the address below."

My list server provides up to date information to hundreds of Division Amateurs who are subscribed to one or more lists. I

provide list service for Division Leadership, State Leadership, General Membership Lists, and even a list for a specific network operation. If you want to receive the latest up to date Amateur Radio related information, let me know and I will put you on the list as well. You can sign up from the Great Lakes Division page at: <http://www.MrRace.Com/ARRL/>

"Working closely with Hamvention Leadership, I was able to bring the ARRL 2000 National Convention to Dayton."

During my last term as Director, one of my Board assignments was to explore the possibility with Leadership of both Hamvention and the Dayton Amateur Radio Association, of hosting the 2000 ARRL National Convention. After several meetings and a lot of negotiation with Hamvention Officials, all agreed the ARRL 2000 National Convention would be held in Dayton Ohio. I am also very pleased that the Hamvention also became a League Approved Hamfest these past two years. None of this would have happened or been possible, if I had not put forth the effort, and ask the important questions as your previous Director.

"As your Director, I will represent your interests and work to keep Amateur Radio strong for all to enjoy into the future. I respectfully ask you for your vote."

If you have read this far, I thank you very much for taking the time to explore my Candidacy for Great Lakes Division Director. Many of you know personally how hard I have worked on your behalf and the behalf of Amateur Radio these past 20 years. When elected as your Director, I pledge to work just as hard on your behalf in the years ahead.

If you support my Candidacy, it would be appreciated if you would share your opinion with others in your immediate area that may not have firsthand personal knowledge of my accomplishments these past 20 years in service to the League.

If you have any question about any of the above, please feel free to send me a personal note to my Email address below. I look forward to hearing from you, and working on your behalf in the years to come as your Great Lakes Division Director.

Thanks and 73...George Race - WB8BGY Email: GRace@ARRL.ORG - This information can also be found at: <http://www.MrRace.Com/Election>

Lansing E.O.C.

Tom Schafer, Lansing's Emergency Preparedness Director and Fire Department's Spokesman is hoping to establish a city Emergency Operations Center at the #8 Fire station on Marshall Street just west of the Red Cross and Reserves Armory. He hopes to have a substantial budget to work with and his plans call for a modern well-equipped communications center.

Classifieds & Special Announcements

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

LCDRA MEETING

The next LCDRA meeting will be held at 7:30 p.m. on October 21st. The meeting will again be held at the Meridian Township Service Center located at 2100 Gaylord C. Smith Court in Okemos. In addition to our regular business, the Association will be taking nominations and electing its officers for the next year. The talk-in frequency will be 145.39 with a 100-Hz PL. Hope to see you there!

EXERCISE YOUR VOTE AND ELECT THE NEW OFFICERS! WE NEED YOUR INPUT!

1999 CMARC MEETING DATES

October 1st - Discussion and Finalization of HamFair Planning, **November 5th** - Nominations, **December 3rd** - Nominations Continue & Election of officers

Corunna VE Testing

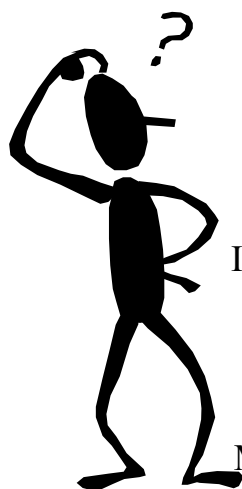
On the 4th Thursday of the month
at the Red Cross in Corunna, MI
(except for July, Nov. & Dec.)
Call in frequency is 147.020 +



COMPUTER WORDS

BYWA8LAY

Word list



ARRAY	PHASED
DIPOLE	POWER
GAIN	RADAR
GAMMA	RATIO
HERTZ	REFLECTOR
INVERTER	RHOMBIC
LINK	SAFETY
LOBES	SENCE
LOOP	SIMULATOR
MARCONI	TUNING
MOPA	YAGI
PARABOLIC	ZED

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



October

Birthday & Anniversaries

- 1 – Juan Pizano/N8YQR's 46th B'day!
- 2 – John/N8LLC and Karen Crawford's 6th Anniv.
- 4 – Shirley Pittenger/KB8LTR's 71st B'day!
- 4 – Ken Fitzgerald/N8FPR and wife's Anniv.
- 6 – Ken/W8KWO and Ruth Harris' 65th Anniv.
- 6 – Don Hill/KB8HZJ and wife's 9th Anniv.
- 6 – Emile Alhaddad/KC8BFJ and wife's Anniv.
- 6 – Roger Jackson/N8SGV and wife's Anniv.
- 9 – Don/KD8BD and Gloria Cote's 45th Anniv.
- 10 – Lee Shumway/WB8ZEY's 39th B'day!
- 13 – Jane Law/KC8FSK's 45th B'day!
- 13 – Phil Dowker/KC8FXS and wife's 15th Anniv.
- 14 – Don Devendorf/W8EGI's 85th B'day!
- 14 – Roy Uchigashima/N8GAQ's 66th B'day!
- 14 – Robert Mann/WD8DEV's 58th B'day!
- 16 – Lester Stowell/W8BK's 81st B'day!
- 25 – Joe/N8VYS and Pam/KB8PSF Denomme's 10th Anniv.
- 27 – Marian Stoddard/N8UVC's 81st B'day!
- 31 – Ted and Darlena/KB8YYM McDaniel's 51st Anniv.



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

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Central Michigan Amateur Radio Club

THE SCOPE

Lansing Civil Defense Repeater Association

Serving Our Community Since 1927

