

# A New Look for the New Millennium - January 2000



Central Michigan Amateur Radio Club

## THE SCOPE



Lansing Civil Defense Repeater Association

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## Three License Classes, ONE Code Speed!

The FCC has issued its long-awaited Report and Order on amateur licensing restructuring. The bottom line is that starting April 15, 2000, there will be three license classes—Technician, General, and Amateur Extra—and a single Morse code requirement—5 WPM.

“We believe that an individual’s ability to demonstrate increased Morse code proficiency is not necessarily indicative of that individual’s ability to contribute to the advancement of the radio art,” the FCC said.

Besides drastically streamlining the Amateur Radio licensing process, the FCC said its actions would “eliminate unnecessary requirements that may discourage or limit individuals from becoming trained operators, technicians, and electronic experts.”

Although no new Novice and Advanced licenses will be issued after the effective date of the Report and Order, the FCC does not plan to automatically upgrade any existing license privileges. The ARRL had proposed a one-time, across-the-board upgrading of current Novice and Tech Plus licensees to General class, but the FCC declined to adopt the idea. This means that current licensees will retain their current operating privileges, including access to various modes and subbands, and will be able to renew their licenses indefinitely.

Starting April 15, 2000, individuals who qualified for the Technician class license prior to March 21, 1987, will be able to upgrade to General class by providing documentary proof to a Volunteer Examiner Coordinator, paying an application fee, and completing FCC Form 605.

The FCC’s decision not to automatically upgrade Novice and Tech Plus licensees means the current Novice/Tech Plus HF subbands will remain and not be “reformed” to higher class licensees as the ARRL had proposed. The FCC said it did not reform these subbands because there was “no consensus” within the amateur community as to what to do with them.

The FCC decided to lump Technician and Tech Plus licensees into a single licensee database, all designated as “Technician”

licensees. Those who can document having passed the 5 WPM Morse code examination will continue to have the current Tech Plus HF privileges. The FCC said it may request documentation from a licensee or VEC to verify whether a licensee has passed a telegraphy examination.

The FCC action also authorizes Advanced Class hams to prepare and administer General class examinations, and eliminates Radio Amateur Civil Emergency Service (RACES) station licenses. RACES will remain, however.

Under the new licensing scheme, there will be four examination elements. Element 1 will be the 5 WPM Morse code exam. Element 2 will be a 35-question Technician exam; Element 3 will be a 35-question General exam; and Element 4 will be a 50-question Amateur Extra exam. The FCC has left it in the hands of the National Conference of VECs Question Pool Committee to determine the specific mix and makeup of written examination questions.

Elimination of the 13 and 20 WPM Morse requirements means an end to physician certification waivers for applicants claiming an inability to pass the Morse code examination due to physical handicap.

The FCC disagreed with the League’s suggestion that it undertake a restructuring of operating privileges along with licensing restructuring. The Commission said it wanted to give the amateur community a chance to “reach a consensus” regarding new technologies before it tried to restructure amateur operating privileges and frequencies.

A copy of the entire Report and Order (FCC 99-412) is available at <http://www.arrl.org/announce/regulatory/wt98-143ro.pdf> or at [http://www.fcc.gov/Daily\\_Releases/Daily\\_Business/1999/db991230/fcc99412.txt](http://www.fcc.gov/Daily_Releases/Daily_Business/1999/db991230/fcc99412.txt)

HAPPY Y2K

# National Amateur News

All National Amateur News Courtesy of The ARRL Letter

## FCC DENIES LEAGUE'S REQUEST TO STRENGTHEN PRB-1

The FCC has turned down a 1996 ARRL petition asking the Commission to go further in compelling state and local governments to reasonably accommodate Amateur Radio and apply the least restrictive means to regulate amateur antennas and activity. However, in denying the petition, designated RM-8763, the FCC did offer some words that may be helpful to amateurs.

The requested rules changes would have expanded and clarified PRB-1, the Federal preemption of state and local regulation spelled out by the FCC in 1985 and since incorporated into the laws of several states.

Specifically, the League called on the FCC to amend Section 97.15(e) of its rules to say that any state or local antenna restrictions limiting ham radio antennas to heights below 70 feet would be "presumed unreasonable" unless the state or local authority could show its restrictions were necessary for health, safety or aesthetic reasons.

Further, the ARRL asked the FCC to clarify that local government's role in applying PRB-1 was to accommodate ham antennas rather than to balance local interests against Federal interests in "effective public service amateur communications." The League also wanted the FCC to acknowledge that it "has no less interest in the effective performance of an Amateur Radio Station" in an area regulated by deed restrictions, covenants, or condominium regulations than by zoning ordinances. It also asked the FCC to preempt overly burdensome conditions and excessive costs localities might require in

connection with amateurs antenna installations.

In its denial, in an Order released November 19, the FCC said it would not be "prudent" or "appropriate" to set a height standard for amateur antennas and supporting structures "because of varying circumstances that may occur" for differing antenna configurations. "We believe that the policy enunciated in PRB-1 is sound," the FCC said, noting that PRB-1 does not specify a height limit. The Commission also said it did not want to mandate specific provisions that localities must include in zoning ordinances.

"We continue to believe that the standards the Commission set, that is 'reasonable accommodation' and 'minimum practicable regulation', have worked relatively well," the FCC said. The Commission applied that same philosophy to the imposition of fees, zoning laws and other conditions that localities might impose on amateur antenna installations.

The FCC also said its policy with respect to restrictive covenants already is clearly stated in PRB-1, which excludes restrictive covenants in private contracts as "outside the reach of our limited preemption." The FCC did say that it "strongly encourages associations of homeowners and private contracting parties to follow the principle of reasonable accommodation" with respect to Amateur Radio. But it drew the line at proposing specific rule changes to bring private restrictive covenants under the umbrella of PRB-1.

On a slightly positive note, the FCC did assert that PRB-1 precisely states the principle of "reasonable accommodation." Some courts have held that a

local authority can merely balance its own interests against those of the amateur. PRB-1 says local regulations involving placement, screening, or height of antennas based on health, safety, or aesthetic considerations "must be crafted to accommodate reasonably amateur communications, and to represent the minimum practicable regulation to accomplish the local authority's legitimate purpose." In its Order, the FCC said that given PRB-1's explicit language, "it is clear that a 'balancing of interests' approach is not appropriate in this context."

The ARRL Executive Committee will review the Order at its December 4 meeting to determine what further action is appropriate.

## A "NEW" QST DEBUTS IN JANUARY 2000

The January 2000 issue of QST magazine, which should reach most members by mid December, will contain substantial style and content changes. The editorial revamp and redesign was based on the results of research conducted during the first half of 1999 by the QST editorial team.

The page design of QST was altered to improve readability, and to provide a more modern, attractive appearance. Three new columns will debut as well:

\* "QRP Power"—a monthly column by Rich Arland, K7SZ—will track developments in low-power hamming, one of the fastest-growing areas of Amateur Radio.

\* "Old Radio" by John Dilks, K2TQN, will focus each month on vintage radio collecting and restoration.

\* "Radios to Go" by Roger Burch, WF4N, will be a bimonthly column high-

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lighting mobile, maritime, aeronautical mobile and portable operating.

The highly successful "New Ham Companion" section of the magazine will get a new name and revised content. Starting in January it will become "QST Workbench." The new section still will contain long-time favorites such as "The Doctor is IN" and "Test Your Knowledge" and will incorporate "Hints and Kinks" as well. The content will continue to focus on "how-to" articles, but there will be more single-weekend or single-evening projects.

A new page titled "The Help Desk" will offer reference information such as schematic symbols, band plans and so on.

"Workbench" also will feature software and hardware accessory reviews under the title "Short Takes."

QST Managing Editor Steve Ford, WB8IMY, says the alterations were made in response to the changing needs and lifestyles of the ARRL members.

"Amateur Radio is undergoing a significant transformation, and license restructuring will only accelerate the process," he said. "The magazine must meet the needs of 21st century amateurs who are, as our survey data indicated, extremely busy individuals who are hard pressed to integrate ham radio into their active lifestyles. They want QST to provide information that they can read and use quickly."

Ford says QST will continue to publish technically complex material. "There will always be a portion of the QST audience that's fascinated by the 'science' of Amateur Radio, as well as the more complex aspects of circuit design and construction," he said. "QST will continue to serve that audience." He pointed to an article by John Devoldere, ON4UN, in the January issue that dis-

cusses the effects of the 1999 European total solar eclipse on HF propagation.

The January 2000 QST will feature a special "collector's cover" celebrating 100 years of Amateur Radio and 85 years of QST. The lead article, "Amateur Radio: 100 Years of Discovery," is a historical overview by ARRL Pacific Division Director-elect Jim Maxwell, W6CF.—Steve Ford, WB8IMY

## HOLLINGSWORTH TO KEYNOTE HAMVENTION

FCC Special Counsel for Amateur Radio Enforcement Riley Hollingsworth, K4ZDH, will be the keynote speaker at the 2000 Dayton Hamvention banquet on Saturday, May 20. For the first time ever, the Dayton Hamvention will host the ARRL National Convention, and Hamvention 2000 promises to be the biggest and best ever. Because it's also the League's national convention, Dayton Hamvention 2000 will include an expanded forum schedule.

Hollingsworth already is well known to the amateur community, and his appearances at last year's Hamvention drew large and enthusiastic audiences. He says he's pleased to be invited back to Dayton and honored to be the banquet speaker for Hamvention 2000.

In the fall of 1998, Hollingsworth—who's headquartered at the FCC's Gettysburg, Pennsylvania, office—spearheaded an Amateur Radio enforcement initiative that reversed a long period of Commission inattention and apathy. Hams across the US have credited Hollingsworth with helping to reduce malicious interference and other problem behavior, both on and off the air. The result has been a marked upswing in morale within the amateur community.

Hollingsworth says his message is a

simple one. "Our communications services in America, whether our telephone system or our computer networks, are the envy of the rest of the world," he said. "Our Amateur Radio Service should be, too. There's no reason why our Amateur Radio Service can't be the finest radio service in the world."

A native of South Carolina and a ham for 39 years, Hollingsworth holds an Advanced class ticket. He's a graduate of the University of South Carolina and Wake Forest University Law School. Now an FCC veteran, Hollingsworth, 53, previously served in several prominent positions within the FCC's Wireless Telecommunications Bureau.

Hollingsworth joined the former Compliance and Information Bureau as Legal Advisor for Enforcement in 1998. As a result of the FCC reorganization in November, Hollingsworth became Special Counsel for Amateur Radio Enforcement within the FCC's new Enforcement Bureau.

In addition to his enforcement duties—which include the Land Mobile Service in addition to Amateur Service—Hollingsworth has been temporarily detailed to the new FCC Consumer Information Bureau to manage the Gettysburg Consumer Center.

A member of the ARRL, Hollingsworth also belongs to the Quarter Century Wireless Association and the Radio Club of America.

Dayton Hamvention will take place May 19-21, 2000. As part of the banquet festivities, the sponsoring Dayton Amateur Radio Association will present awards for Dayton Hamvention Amateur of the Year, Technical Excellence and Special Achievement.

Advanced registration now is available. Call 937-276-6930 or e-mail

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tickets@hamvention.org. For more information on Dayton Hamvention 2000, visit <http://www.hamvention.org>, e-mail [info@hamvention.org](mailto:info@hamvention.org) or call 937-276-6930 weekdays 10 AM-5 PM.

## NOMINATIONS OPEN FOR MAXIM MEMORIAL AWARD

Nominations are open until March 31, 2000, for the 1999 Hiram Percy Maxim Memorial Award. The award goes each year to a radio amateur under the age of 21 whose accomplishments and contributions are of the most exemplary nature within the framework of Amateur Radio activities. These include, but are not limited to:

- \* Participation or leadership in organizational affairs at the local or national level.
- \* Technical achievement.
- \* Operating record.
- \* Recruitment and training of new amateurs.
- \* Public relations activities.

In keeping with the tradition of the award when it was first established in 1936, formal nominations are made by Section Managers. Supporting information, including the endorsement of ARRL-affiliated clubs and elected or appointed League Leadership officials, should be submitted with the nomination to Jean Wolfgang, WB3IOS, at ARRL Headquarters.

An award panel will review the nominations received and select the winner. The prize consists of a cash award of \$1000, a suitably engraved plaque, and travel and accommodation expenses to enable the winner to attend an ARRL convention for a formal presentation.

Nominations should document as thor-

oughly as possible the Amateur Radio achievements and contributions of the nominee during the previous calendar year. Additional information concerning the character of the nominee should be as complete as possible.

The award is intended to provide a tangible reward to those deserving young amateurs who contribute their time, skills and energy daily through their commitment to Amateur Radio.

Nominations go to Section Managers, who should review and forward nominations to Jean Wolfgang, WB3IOS, at ARRL Headquarters by March 31, 2000. There is no limit to the number of nominations a Section Manager may make.

Elisabeth Price, KC8ALW, of Worthington, Ohio, was the winner of the Hiram Percy Maxim Memorial Award for 1998.

For information and a nomination form visit <http://www.arrl.org/field/awards/hpm.html> or contact Jean Wolfgang, WB3IOS, [jwolfgang@arrl.org](mailto:jwolfgang@arrl.org); 860-594-0219; or write her at ARRL Headquarters, 225 Main St, Newington, CT 06111.

## FCC AUDITS SOUTH CAROLINA EXAM SESSION

Following up on allegations of irregularities, the FCC is auditing a July 14 W5YI-VEC Amateur Radio examination session in Clemson, South Carolina. FCC Special Counsel for Amateur Radio Enforcement Riley Hollingsworth this month sent inquiries to several individuals said to have been involved with the session, including four W5YI-VEC Volunteer Examiners. Several licensees who took and passed examinations at the session also were designated for retesting.

"We had some very serious allegations from some of the examiners that their signature appeared on the 610 forms as well as the manifest for the exam and they weren't present," Hollingsworth said this week. "We have some other evidence that we're not revealing at this time, but we're just auditing the Clemson exam and we'll be looking at some other tests as part of this same investigation."

At the core of the issue is an examination "sub-session" arranged following a regularly scheduled test session the same day in Clemson. The W5YI-VEC, which has cooperated with the FCC in the investigation, says there's reason to believe that VEC paperwork may have been forged, some of the alleged volunteer examiners actually were impostors, and one examiner also was an examinee. Hollingsworth has written volunteer examiners Eugene D. Watring, AF4DB; "Dale" Martin, KT4NY; Grady P. Robinson, AK4N; and Mikel T. Blackwell, N4OPD, asking each if he signed the manifest or any Forms 610 or authorized anyone to sign on his behalf; if he was present for the exam session or any part of it, and, if so, the time and location; the nature of his involvement, if any, in the July 14 examination session, and, if he were not present, how he became aware that "your purported signature appeared" on the exam session documents.

In a prepared statement, Fred Maia, W5YI, said the FCC is especially interested in the circumstances of the upgrade of William J. Browning, AB4BB (ex-AF4PJ and KE4BWS), from General to Amateur Extra. Maia says Browning "upgraded his General class license at a second session held after he acted as team leader at his regular examination session held the same day at the same location." Maia says the second exam

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session appears to be “a concocted session to upgrade a specific licensee.”

Maia says Browning asked Watring to assist in both examination sessions, and Watring served as team leader at the second one. He says that when Watring showed up to help monitor the second session “he was introduced to other VEs whom he did not know.” The other VEs— Blackwell, Martin and Robinson—furnished signed letters to the W5YI-VEC stating they did not participate in either examination session. “It appears that Watring, Blackwell, Martin and Robinson may be totally innocent,” Maia said.

Robinson and Blackwell are shown as VEs on Browning’s application as well on those of examinees Frank D. Cox, KF4UJQ; Joseph A. Cox, KF4RMH; and James F. Chambers, KF4PWF. The FCC has requested that Browning, Frank Cox, Joseph Cox, and Chambers retake their Amateur Radio examinations before January 31, 2000.

Following up on an audit of a May 2, 1999, examination session in Yonkers, New York, Hollingsworth also posed similar questions to ARRL-VEC volunteer examiner James Bonnett, KA2ZSA. Hollingsworth asked Bonnett on December 8 if he actually signed Form 610s for two examinees at the session or authorized anyone to sign for him; the nature of his involvement, if any, in the May 2 session; and if he was not present how he came to know that his “purported signature” appeared on the forms. Hollingsworth also asked if Bonnett had applied any of the marks found on answer sheets from the session.

Hollingsworth also wrote to session examinee Winston Tulloch, KC2ALN, who had attempted to upgrade from General to Advanced at the session. The FCC subsequently dismissed applications

from Tulloch and others because of alleged irregularities and put a cloud over their future amateur applications.

In his December 8 letter, Hollingsworth encouraged Tulloch to retake the examination and said his application “would be processed routinely.” Alleged irregularities at the session, Hollingsworth told Tulloch, “were not your fault and in no way reflect adversely on your qualifications to be a licensee.”

## NEW AMRAD LF BEACON ACTIVATED

A second experimental low-frequency beacon is on the air from Northern Virginia. The WA2XTF/12 beacon on 136.745 kHz is a part of the Amateur Radio Research and Development Corporation’s experiments to gain LF experience in anticipation that the FCC may allocate an amateur band at 136 kHz.

In October 1998, the ARRL petitioned the FCC to create two amateur LF allocations at 135.7-137.8 kHz and 160-190 kHz. Its petition was designated RM-9404. The FCC has not yet acted on the request.

The new beacon at the QTH of Ted Seely, AA4GM, near Front Royal, Virginia—one of 12 WA2XTF sites—features a 175 W transmitter feeding a 1600-foot horizontal antenna. It transmits a continuous CW message at 5 WPM. The AMRAD project’s first beacon WA2XTF/6, on 136.75 kHz, was shut down temporarily to eliminate the potential for interference.

Project participant Andr’ Kesteloot, N4ICK, says the WA2XTF/12 beacon setup employs an “Earth bipole” style antenna that’s grounded at both ends. The shorter leg consists of 100 feet of wire grounded to a 250-foot deep well

casing. The longer leg is some 1500 feet of wire stretched horizontally about 20 feet above the ground, “strung from one tree to another, like a telegraph wire,” Kesteloot says. The far end of the longer leg is connected to a rod inserted into a pond. He said two large coils were inserted in series with the longer wire—one at the transmitter end, the other near the pond end—to bring the antenna into resonance at 136.750 kHz.

As AMRAD President (and ARRL Technical Relations Manager) Paul Rinaldo, W4RI, tells it, installation of the huge antenna earlier this fall was one of the more challenging aspects of the project. “When we got to the end of the run, we were greeted by more than 20 cows,” he said. “At first, we were open to the thought that they were interested in Amateur Radio antenna experimentation. But the more likely story was that they thought it was feeding time.”

Kesteloot reports the WA2XTF/12 transmitter was fired up on November 14. AMRAD is seeking additional reports. Reception reports may be sent via e-mail to Andr’ Kesteloot, N4ICK, [n4ick@amrad.org](mailto:n4ick@amrad.org). Further information concerning the LF experiments is available at <http://www.amrad.org>.



# News From Around Town

Including Meeting Minutes from CMARC and LCDRA

## LCDRA MEETING

NOVEMBER 18, 1999

At 7:27 p.m., Clint/KC8EHR called the special meeting to order at Lansing's Firestation No. 8. The following officers and directors were present: Clint/KC8EHR, Scott/W8SRN, Dan/W8BCI, and Hal/WA8LAY. Don/KB8RAD was excused, and Don/N8XME was absent. The following members were also present: Don/W8BQD, Hazel/K8KSX, Troy/W8TCC, Don/WB8NUS, Bob/N8TNT, Dennis/KB8ZQZ, and Roxie/KC8GAK. Even though he had not received his callsign as of yet, newly-minted technician Tom Shaver, Lansing Emergency Coordinator, was also in attendance. By the way, Tom's call-sign is now KC8NJK.

### Old Business

Scott/W8SRN read the secretary's report from the Association's last meeting in October. The following corrections were made to the minutes: (1) The number of HF radios to purchased for the Lansing EC is actually one, not two; (2) the kitchen brought in a profit of \$237.20; and (3) Forrest's callsign was inadvertently listed as N8PWO instead of N8PWD. With these corrections, Don/WB8NUS moved to accept the report. Bob/N8TNT seconded the motion. Motion carried unanimously.

Next, Dan/W8BCI was unable to give an itemized treasurer's report as Don/WB8NUS is still passing the torch to him. Dan was able to report that another 5 members paid their dues and that CMARC will receive its share of the hamfair profits on December 5, 1999. Scott/W8SRN moved to adopt the treasurer's report as given. Troy/W8TCC seconded the motion. Again, the motion carried unanimously.

Dan/W8BCI also reported that he was still looking for a cost-effective generator to be used out at the 145.39 transmission site. Generally, a permanently installed, self-starting 2-Kw generator will run approximately \$3,000. However, a

gentlemen in Holt sells refurbished propane-powered, electric-start 2-Kw generators that were recovered from mobile-homes. Dan stated that he had not been able to get all the particulars on these generators, but he would as soon as possible if the Association agreed. Dan believed that the cost for these generators should be about \$1,500. Because the generator would be permanently emplaced, Dan offered to contact MSU to determine whether the university would object to our placement of the generator in the shack as we only lease the building from it. Even though we do not whether MSU will give us permission, it was agreed that Dan would contact the individual in Holt to determine the feasibility of obtaining the refurbished generator. In successful on both accounts, Dan believes that WKAR personnel will probably help us install the generator.

The discussion then turned to moving the Hamfair 2000 to The Summit instead of holding it at Ingham County Fairgrounds. Because Erv/W8ERV had the flu, Clint/KC8EHR and Dan/W8BCI reported that the cost to rent 22,000 square-feet of space at The Summit, which is enough space for 224 tables with 12 foot aisles, will cost a flat fee of \$1,700 for the day. This price will include the use of the electric sign in front of the complex to advertise the fair, room for seminars, room for VE testing, clean-up, and concessions. The total cost to move the fair to the Summit is projected at \$4,000 as compared to the \$3,400 cost incurred to hold the event at the fairgrounds. To keep the projected-cost low, the Boards of LCDRA and CMARC decided to set-up and tear-down the tables instead of paying \$500 to have someone else do it for us. Already, Tower Electronics has committed to 4 tables these tables. Also, the major vendors like Tower can stay at the Holiday Inn - South at a special price and will be able to drive into the building to unload. Dennis/KB8ZQZ moved to switch Hamfair 200 to The Summit pending the

adoption of a bilateral agreement with CMARC. Bob/N8TNT seconded. Motion carried without opposition.

Regarding this agreement, it was also discussed that CMARC had to share any losses that may result from the move instead of just the profits. This agreement is necessitated by the fact that CMARC's by-laws forbid expending money on events like a hamfair. Dan/W8BCI moved that the organization present a written proposal to CMARC allocating a division of the costs as well as the profits between the two organizations. Troy/W8TCC seconded. Again, the motion carried.

Even though Sue at Meridian Township has done a great job, Clint/KC8EHR offered up for the discussion the possibility of moving the LCDRA meeting to the fire station instead of the Meridian Township Service Center in Okemos. Tom said that there should be no problem using the meeting room at the fire station at this time. He said that we probably won't have any problem using the room so long as the room is reserved, but no concrete guarantees. Clint/KC8EHR moved to relocate the meeting to the fire station after the first of the year and after sending a letter of gratitude to Sue. Dennis/KB8ZQZ seconded. To Clint's delight, the motion carried because usually, his motions are defeated.

Tom addressed the Association concerning the progress of the Lansing Emergency Coordination Center. First, Tom passed out all the portions of the emergency annex produced by Dennis/KB8ZQZ and Jim/KA8DDQ. Again, Tom implored the Association to find volunteers to man various locations throughout Lansing on December 31, 1999. Because this exercise will not be an official emergency, anyone will be able to participate. In the future, however, personnel working at the EC must be RACES qualified. AS a result, Clint/KC8EHR requested that all Association members

obtain RACE's certification. Last, Tom reported that the EC had received part of its equipment from ComDac. Because the members wanted to plan the lay-out of the new amateur radio section of the EC, Clint/KC8EHR moved to adjourn the meeting. Don/W8BQD seconded. The motion carried as we moved into the next room to plan for the future.

Respectfully submitted,  
Scott R. Newfer/W8SRN  
Secretary

## CMARC BOARD MEETING

December 3, 1999

President Erv/W8ERV brought the Board meeting to order at 7:38 p.m. The Board members present were: Vice-President John/N8LLC, Secretary Julie/KB8ZXR, and Directors Bill/KB8TTS and Don/KB8RAD. Treasurer Joe/N8VYS was excused for work, and Under 22 Director Judd/KC8IRG had not called to say he would be absent, so was unexcused.

We went over some things that would be covered later in the regular evening meeting which included: (1.) a quick business meeting, (2.) "Extra Mile Award" presentations, (3.) nominations for new officers, (4.) elections, and (5.) the Christmas party and prize drawing.

Erv said that once the election ballots were counted in tonight's meeting, we would have a brief Board meeting of the old and new Board members, to decide what position the Directors will hold for 2000, sign the necessary paperwork, and designate a Ham Fair Chairman. He asked the current Secretary, Julie/KB8ZXR, to announce the new Board and their positions when we rejoin the Christmas party.

Bill/KB8TTS told the Board that he talked to Rob at Fulton's and told him about our move to the Summit for "Ham Fair 2000". Bill asked Rob to tell everyone he talks to about our location move. Erv then mentioned that Fulton's has been giving us their unsold QST magazines, and Don/KB8RAD has been using them in the packets he hands out to new Hams. With

all this talk about Fulton's, a suggestion was made that since we have such a favorable relationship with them, we should ask them to rent a table and be part of "Ham Fair 2000". Bill said he would ask Rob, and also Jack, Fulton's Sony dealer. Erv and Bill/KB8TTS attended Fort Wayne's Ham Swap purposely to talk with the vendors and invite them to "Ham Fair 2000". When Erv and Bill got home, a list of regional vendors was compiled using our vendor list and Fort Wayne's. Erv and Bill said they hope to have at least 100 "Ham Fair 2000" flyers mailed to the vendors on this list by Dec. 10<sup>th</sup>. Bill then made a motion that the Treasurer should write them a check for \$33.00 for postage stamps needed for the mailing. It was seconded by John/N8LLC and approved. [Secretary's Note: Bill said he would really like us to include Burke Electronics in our vendor list, as they always have such reasonable prices. No one on the Board was sure of their address. However, when it is found, they will be sent a flyer.]

Erv also told the Board that when he and Bill were at the Fort Wayne Swap, they talked with Jill from Tower Electronics about our new "Summit" location. She was so enthused about the new larger location that she ordered 9 tables, right there on the spot!

Erv said the ARRL is also really excited about our new location for "Ham Fair 2000" and are willing to help us make it a success. Dick Mondro/W8FQT, Michigan's ARRL Section Manager, said he would get with his people and prepare an interesting forum for the morning hours. We will also have VE testing, with pre-registration at 9:30 a.m. and testing at 10 a.m. Due to available space, it will be noted on the flyer "First come - First served".

President Erv stressed the importance of "all" Board members being present at "all" Board meetings. He also reiterated that if a Board member cannot attend a meeting, they "must" call the President or Secretary, to let them know they would be absent. This way, they will be listed

as an "excused absence" on the attendance sheet. (The bylaws state in Article VI, section 8: "Any Officer or Director may be removed by a majority vote of the members present at any regular or special meeting, and shall automatically be removed for failure to attend three (3) regular meetings of the Corporation, or two (2) meetings of the Board, except when excused.")

A suggestion was made that we find one or more members who would be willing to work closely with the Under 22 Director. We all agreed that we want this Board position to be more than just a figurehead, and thus we would like someone to work with the Under 22 Director in planning events, meetings, etc., with the idea of "guiding" this Director in fulfilling the job of bringing in more young Hams into the Club. This idea will be discussed in more detail with the new 2000 Board. Having covered all of the business at hand, a motion to adjourn was made by Don/KB8RAD. It was seconded by Bill/KB8TTS and approved. We adjourned at 8 p.m.

Julie McLain/KB8ZXR-Secretary

## CMARC MEETING

December 3, 1999

President Erv/W8ERV brought the meeting to order at 8:06 p.m. There were 35 members present and 8 visitors. The VISITORS were: Kyle Bradley; Betty Bell (Hal/WA8LAY's wife); John Barber/KF4UAI; Carl Canfield/K8YHH; Tom Shaver/KC8NJK; Bill Hamilton/KC8NJM; Tim O'Brien; and Alice Mailhot/KC8NJL.

NEW LICENSES: CONGRATULATIONS go to Tom Shaver/KC8NJK, Lansing's Emergency Management Coordinator, who is a new Technician; Alice Mailhot/KC8NJL, also a new Technician; and Bill Hamilton/KC8NJM, a new Technician Plus. We welcome you to our wonderful hobby, and invite you to come back again to visit or join our great group of friendly CMARC members!

INTERESTING DX CONTACTS: Ken Kruger/W8AAX said he had talked to Hawaii on 160 meters. Gregg Mulder/WB8LZG said he worked Tampa, Florida, with 850 Mw on 40 meters. Erv said he made contacts on 10 meter phone to Austria, European Russia, A61AJ,

Romania, and Germany, to name a few. He said his daughter, Amanda, made her first contact (third party) to Sandy in Sherwood Forrest.

CARDS AND FLOWERS REPORT: A “get well” card was sent to Mary Lou Tillitson, who had surgery on her shoulder on Nov. 22. Jane/KC8FSK says Mary Lou is recovering well from the surgery, but is now fighting Bronchitis. (Her hubby Don has Bronchitis, too. Hmm... looks like somebody better stop that smooching!) Another “get well” card was sent to Beverly Blakeslee, an Associate Member, who is in the hospital, once again, with pneumonia.

OLD BUSINESS: A motion was made by Mike/KC8DBP to accept the Secretary’s report as printed in the Scope. It was seconded by Pam/KB8PSF and approved. A motion was made by Mike/K8MAS to accept the October and November Treasurer’s reports as printed in the Scope. It was seconded by Don/KB8RAD and approved.

Erv said he had a check for \$1,100 in his possession (CMARC’s cut of the Ham Fair ’99 profit), and that he’d give it to the incoming Treasurer so it could be deposited. Erv also reported that he has a “signed” copy of our contract with the Summit, for our October 8, 2000 Ham Fair. He said he would be giving updates, each month, on how plans for “Ham Fair 2000” are coming together.

NEW BUSINESS: Erv took a few minutes to recognize Cary Britten/KC8JKA, who will be resigning as the Scope Editor the first of January. Cary, who has been the Editor since Rowena/KA8OBS had a stroke and passed away, originally started out just working on a new format for the Scope when Rowena first took ill. He suddenly inherited the job of full-time Editor, and went on to make changes which improved the looks and content of the Scope. Cary had informed the Board in September that he would be resigning the first of the year. At that time, Erv volunteered to fill this soon-to-be vacated position. So, at the October 1<sup>st</sup> meeting, the Secretary (who was leading the meeting) reported the situation to the membership, and a motion was approved which made Erv/W8ERV the Scope Editor beginning January 1, 2000. (The Duplicator, which was approved to be housed in Cary’s home, will now be housed at Erv’s.)

EXTRA MILE AWARDS: President Erv presented an “Extra Mile Award” to Mark Humphreys/N8DEF, who has been doing both the CMARC and LCDRA web sites. Mark

has been doing an outstanding job on these sites, and if you haven’t visited them yet, please do... they’re great! The addresses are: www.qsl.net/cmarc/home.html and www.qsl.net/lcdra/index.html.

Before he moved on to other topics, Erv told about another member who really deserved recognition. In the Fall of ’98, a lot of the Club members were saying, “wouldn’t it be nice if we had regular VE testing, every couple of months, and get things going again?”. There were some members that thought we didn’t have enough interest, and that there wouldn’t be enough people testing “that” often. However, ’99 has shown just the opposite — especially since the November test session had 11 examinees show up. Spearheading this effort has been a top-notch group of Volunteer Examiners who have really given a lot of time and effort — all coordinated through one guy, and that is the VE Liaison Larry Nordeen/N8VEN. Many of the examiners have said that no one would be doing it at all if it weren’t for Larry Nordeen, and suggested that he receive an “Extra Mile Award”. Therefore, the second “Extra Mile Award” of the evening was presented to Larry by Erv. Congratulations and thank you both, Mark and Larry!

Erv told us the FCC stated that they want to have the Ham License Class restructuring completed by the first of the year, and also reported that George Race/WB8BGY won the ARRL election and is now the Great Lakes Division Director, once again. Congratulations, George!

NOMINATIONS/ELECTIONS: Erv recapped the nominations that were made at the November meeting for the three 2-yr. Director’s positions. They were Erv/W8ERV, Julie/KB8ZXR, and Chuck McNease/N8CM. Nominated for the 1-yr. Under 22 Director’s position was Tyler Head/KC8LWG. Tyler, who is very interested in working on the Board, could not be here tonight, as he was in a school play. His parents called Erv to let him know why Tyler would be absent. Also absent and excused was Chuck McNease/N8CM, who was home with the flu.

A motion to open the floor for further nominations was made by Mike/KC8DBP and seconded by Troy. New nominees for the three 2-yr. Director’s positions were: Pam Denomme/KB8PSF and Rod Ball/KC8HGF. As there were no further nominations for the four positions, Ben/W8VPC made a motion to close the nominations and vote. Ballots

were handed out for the voting, and they were then collected and counted by Mark/N8DEF, Paul/KB8YQW, and Mike/KC8DBP.

Those nominees elected to serve as Directors for the next 2 years are: Erv/W8ERV, Pam Denomme/KB8PSF and Julie McLain/KB8ZXR. Newly elected to the Under 22 Directorship was Tyler Head/KC8LWG. “Congratulations” to the new Board of the year 2000! Also, a big “Thank You” goes to those who were nominated, but not elected. Your willingness to volunteer for the good of your Club is very much appreciated, and the new Board will keep you in mind for “other” projects in the coming year, so don’t try leaving the country or something!

DRAWING WINNERS: As this was our Christmas Party, each person got a free ticket tonight for the prize drawing. The winners were: Jim/WB8VIC (won a tool box); Gus/K8KU (won a hand’s-free telephone); Bill/KC8NJM (won a 22-drawer organizer); Rob/KC8HGF (won a “Holiday gift pack” of Turtle Wax products); Inez/KY8V (won “Millennium Party Music” CD’s); Ken/W8AAX (won a CD carrier); Troy/W8TCC (won a “deluxe” shaving kit); Gary/KC8MAD (won a stuffed “Teddy Bear” for his grand daughter); Don/W8EGI (won scented candles); Roy/N8GAQ (won a “memo minder”); and last but certainly not least, Don/KD8BD (who won a tote bag). JOINT CMARC/MSU LICENSE CLASSES: Mike Shanblatt/K8MAS spoke briefly about how the preparations were coming for the joint CMARC/MSU License Classes. Mike still needs people to help with publicity (going to the High Schools, Boy Scouts, etc.), mailing, registration, producing the diplomas, etc. He said he would like the classes to start in late January and run about 6 weeks, with VE tests given after the classes end. If interested in helping, please contact Mike at mas@ece.msu.edu.

LANSING’S EMERGENCY OPERATIONS CENTER: Tom Shaver/KC8NJK, the Emergency Management Coordinator for the City of Lansing, also addressed the membership. First, Tom thanked Larry Nordeen/N8VEN and his team of VE’s for making it possible for him to be here tonight as KC8NJK. He said that if it weren’t for their volunteer efforts a couple of weeks ago, he would have had to drive all the way to “some ungodly place” to take his exam.

Tom then told the group about all the changes that have been taking place at the Lansing EOC. He said that for the last year, Mayor

Hollister and Fire Chief Greg Martin have tried to do their absolute best in turning over a new leaf, as far as Emergency Management goes, in the City of Lansing. In the last 10 months, they have rewritten emergency operation plans that haven't been certified since 1987, moved the Emergency Operations Center from Fire Station No. 1 to the basement of Fire Station No. 8 (by the Red Cross), and more. Tom said the EOC is about 70 per cent done right now, and for the Y2K event, they will have phones and radios, and tables (with chairs) to write at. Tom mentioned that they won't be where they want to be by New Year's Eve — but they will be close. He said they are, right now, in the process of putting together a Ham Radio Communications Center, which will be "state-of-the-art" in the near future. He said that tomorrow (Dec. 4<sup>th</sup>), they would be installing Radios (two 2-meter rigs, and 220, 440, HF, and Packet equipment), antennas, and feedline at the new EOC. Tom also said that in their next budget year, they would be adding ATV, and more.

Tom said the Mayor and Fire Chief are very progressive. The Fire Chief, Greg Martin, who is from Kirkland, Washington, came from a place that has an Emergency Management Division that works well and "does" it's job. Greg wants to see one put together here in Lansing, and has really been putting the money where his mouth is. They now have on staff two full-time workers for Emergency Management — himself and Rhonda Overlyn. Tom said when he started the position of Emergency Management Coordinator in February, he was committed to the Amateur Radio community, but he didn't really know what Ham Radio was all about, and didn't know what R.A.C.E.S. stood for. He said he has since been to classes at the National Fire Academy, worked through the exercises and drills, went through all the FEMA stuff, and knew the Hams were important and an integral part of what was needed in Lansing for Emergency Services. Tom said it was then his goal to get his own license, stand before us as KC8NJK, and be accepted as one of the group. He said he has found himself in the middle of a hobby that he is thoroughly consumed with and enjoys so very much, and he is now planning on going for his code so he can get on 10 meters, because he's thrilled with the idea of talking all around the world. Tom said we now have a job to do in living up to the Amateur Radio Code, to make an Emergency Management system that will rival

Livingston, Genesee, or Jackson Counties, and work well together during emergencies. He urged all of us to become RACES certified so that we are prepared to help the citizens that we serve.

Tom and Clint/KC8EHR, our new Emergency Coordinator for Ingham Co., took the names and calls of those interested in helping out with communications on New Year's Eve and New Year's Day, in the event that Lansing's police and fire departments lose their 800 MHz telecommunications due to the "Y2K Bug". Tom said they would be placing Hams in all four hospitals, two at the 911 center, two in the EOC, and Hams at both Police precincts, as well as all the Lansing Fire Departments.

**ELECTION RESULTS:** When Tom was through addressing the group, we received the election results from those who took the count. Elected to the three 2-yr Director positions on the new "Y2K" Board were Julie/KB8ZXR, Pam/KB8PSF, and Erv/W8ERV. For the Under 22 Directorship, Tyler Head/KC8LWG was elected. Erv made a motion that the ballots and voting slips be destroyed. It was seconded by Bill/KB8TTS and approved. Carl Canfield/K8YHH tore up and trashed the voting paperwork.

**SPECIAL "HAMFAIRFUND" RAFFLE:** Bill/KB8TTS donated, from his own business ("38's CB Shop" located on the 2<sup>nd</sup> floor of Don's Truck Stop), a 2-meter mag-mount antenna and a couple of ball mounts for co-linear antennas. Inez/KY8V sold tickets for the drawing, with all proceeds going to Ham Fair 2000. Paul/KB8YQW won the antenna, then turned around and donated it back to the Club to be raffled off again at a later date.

After the raffle, a motion was made to adjourn. It was seconded, and the business portion of the meeting was adjourned at 9 p.m. Everyone stayed on for the Christmas goodies and socialized, while the new Board met to decide what positions each member would hold for the year 2000. It was decided that Erv/W8ERV would, once again, be "the Prez"; Bill/KB8TTS will be Vice-President; Julie/KB8ZXR will once again be Secretary; John/N8LLC will be Treasurer; Don/KB8RAD and Pam/KB8PSF will serve as Directors, and Tyler Head/KC8LWG will be the new Under 22 Director.

Since Bill/KB8TTS had already expressed to the '99 Board his interest in being the Ham Fair 2000 Chairman, Erv made a motion to that effect to the new Board. It was seconded by Julie and approved.

We also discussed the desire to make the

Under 22 position more than just a figurehead so we could get younger Hams involved. A suggestion was made that we ask different members of the Club to work with Tyler/KC8LWG as "specialists", in those areas of the hobby they are most interested in, so programs or events can be scheduled which would interest the young people of our community in Amateur Radio. We will discuss this further in the next few months. (See the Board Notes.)

The required Board members signed the necessary banking paperwork so John/N8LLC could be designated as the new CMARC Treasurer. Pam said she would see that the paperwork was given to the bank. When everything was finished, the Board went back to visit with the other members and have refreshments. The Secretary, Julie/KB8ZXR, announced what positions the members of the new Board would hold for the following year. Since the meeting had already been adjourned at 9:00 P.M., everyone left at his or her leisure. Everyone definitely had a good time!

*Julie McLain/KB8ZXR-Secretary*

## **Fujita Returns for Another Program!**

He visited us in 1998, sharing a wealth of information on Mid-Michigan earthquakes. He is coming back on February 4th for a special program entitled, "Behind the Mystery of Severe Storms: The Life and Work of Tetsuya T. Fujita (1920-1998)". The elder Fujita, whose work is well known in the field of Tornadoic research died in 1998. His achievements will shine for many years to come.

For those that were at his last visit, Fujita not only shared to information, he also captivated our members and visitors. We had many requests to bring him back and we are pleased to be able to announce this event well in advance. So tell your friends and come early for a good seat.....you won't want to miss this one!

As always, the CMARC meetings start at 8pm and you are invited to bring a friend. This promises to be one of the "Don't Miss Out" meetings of 2000!

# Local & Special Interest News

## Support Your Sunday Night 5.39 Net

For several weeks now, Troy Creed/W8TCC has been faithful in bringing us the weekly 5.39 Information Net. The purpose of this Net is to share information, learn how to operate in a structured Net environment and to share good will among Amateurs. Troy has expressed a concern that the Net is failing to garner support and he is getting bored. We can remedy this.

This is a special invitation to ALL licensed Amateur Radio Operators to join Troy Sunday evening at 8:30pm. for the Net and make his day. Troy really enjoys this and we ought to tune in if we are in the area and able to do so. If Sundays are no longer working, then we need to discuss a move to a more suitable day so that we all can enjoy it.

Take some time this week, if you would and let's get the 5.39 Net back on its feet. Thanks.

### DECEMBER BIRTHDAYS AND ANNIVERSARIES

(NOTE: These birthdays were mistakenly omitted from the  
December Scope)

- 17 – Bob Marklewitz/K8NNZ's 78<sup>th</sup> B'day!
- 17 – Clarence Shaner/W2PMH's 93<sup>rd</sup> B'day!
- 17 – Dolly Wright/N8DOL's 78<sup>th</sup> B'day!
- 21 – Brian Ball (Assoc. mbr.) 26<sup>th</sup> B'day!
- 21 – Larry Cain/KF8OE's 37<sup>th</sup> B'day!
- 22 – Stanley Smith/N8EOP's 72<sup>nd</sup> B'day!
- 27 – Juanita Stokely/KB8TXB's 72<sup>nd</sup> B'day!
- 28 – John McEnhill/KB8LBT's 57<sup>th</sup> B'day!
- 30 – Stephen Dible/K8JNP's 56<sup>th</sup> B'day!

### JANUARY BIRTHDAYS AND ANNIVERSARIES

- 1 – Chuck MacCluer/W8MQW and Wife's Anniv!
- 1 – Jan Bradford/KC8BFK's 59<sup>th</sup> B'day!
- 8 – Mert Thurston/KB8MUM and Wife's 55<sup>th</sup> Anniv!
- 9 – Brent Williams/WB8TRL's 55<sup>th</sup> B'day!
- 10 – Vic Jackson/W9NDM's 61<sup>st</sup> B'day!
- 11 – Ralph/N8YQJ and Char Riggs' 19<sup>th</sup> Anniv!
- 12 – Tom Cain/KB8ZL's 61<sup>st</sup> B'day!
- 13 – Chuck MacCluer/W8MQW's 61<sup>st</sup> B'day!
- 18 – Dennis Boone/KB8ZQZ's 34<sup>th</sup> B'day!
- 19 – Jerome Maslowski/KS8B's 83<sup>rd</sup> B'day!
- 20 – Don Clark/N8XME's 42<sup>nd</sup> B'day!
- 21 – Scott Waldron/WD8SDW's 41<sup>st</sup> B'day!
- 22 – Jodi Schmidt/KC8ADO's 38<sup>th</sup> B'day!
- 23 – Mary Lou Tillitson's 71<sup>st</sup> B'day!
- 23 – John Ingraham/NG8L's 51<sup>st</sup> B'day!
- 24 – Pam Denomme/KB8PSF's 45<sup>th</sup> B'day!
- 24 – Keith Colister/K8CWQ's 71<sup>st</sup> B'day!
- 25 – Robert Gill/KA8UUF's 80<sup>th</sup> B'day!
- 26 – Dave Humphreys/N8WTH's 45<sup>th</sup> B'day!
- 29 – Forrest/N8PWD and Joyce Clark's 6<sup>th</sup> Anniv!
- 31 – Bob/W9NIP and Betty/W8NIP William's Anniv!

I want to thank you all for your visits, cards, E-mail messages and phone calls during my recent illness. Your kindness during a most difficult time in my life helped me get through; I'm not sure I could have made it without your support. Thank You so very much !

Being a HAM was certainly helpful while I was in the hospital Intensive Care Unit after surgery. I was unable to speak, and needed water. I tapped out the letters D-R-Y on my son's hand using my fingernails. It worked as I got water.

Marilyn, N8DEH

CMARCLife Member

## LCDRA Treasurer Sought

Due to the recent illness of long-time member and hard-worker, Dan Harger, W8BCI, he has been forced to resign his position as Treasurer of LCDRA. Our best wishes, thoughts and prayers are with him and his wife at this time.

Anyone interested in serving LCDRA in this position should contact President, Clint Hannahs, KC8EHR, at (517) 882-1799. Please leave a name and number so he can call you, if you should miss him. Thanks and we'll see you at the LCDRA meeting in February.

# For Your Consideration....Restructuring

## *Our Amateur License Classes*

Amateur Radio is born again. The FCC, in it's infinite wisdom has issued a Report and Order, nearly eliminating the Morse code from our hobby. Or did they?

The long-standing debate over the code has been (for the time being) put to rest as the FCC's mandate comes into play. 5 WPM is the limit....no more, no less. How will this affect you and I? Well, for the folks who have had problems upgrading because of the faster code speeds, it will be a Godsend. For the hams that have "waited out the system", the wait is over. But for the veterans of the hobby, those that truly LOVE the code, you can be sure it is a slap in the face. But is it really?

One thing I have learned in my 5 1/2 years in this hobby is that change is a part of it. I've seen PSK31 grow in popularity, I've seen the internet nearly replace packet and now I have seen 5 WPM become the upper limit for testing. And to top it off, I just passed the 13 and have been working on my 20. So what does one do now? Well, if you are dedicated to what you are doing, you will continue trying until April, right? Oh sure, I am tempted to abandon my attempt, but I have invested several months to upgrading and while I am only one person, I take personal satisfaction in knowing I've made it here by hard work and lots of study.

The arguments rage on, as we speak, on the internet about this move by the FCC. Some are even calling for the head of "der Enforcer", Riley Hollingsworth. Why? I have no clue, but then if they were thinking clearly, I don't think they would have written some of the acidic comments that they have, if they seriously thought out their feelings.

We have to make sure that the transition to the new requirements is a smooth one. We cannot afford to stir up strife with debates of who is the better ham. The only alternative is to embrace the new upgrades with welcome arms and ELMER them, if we want them to improve in the code. If we look down our noses, or make them feel uneasy....or worse, NOT welcome, we do so at our peril. This Report and Order has all the makings of a boon for Amateur Radio, financially (for the equipment manufacturers), as well as for the VE's, who should be doing brisk business for the first few months at least. And this might be just what the doctor ordered for languishing Amateur numbers, both in our hobby in general and Clubs in particular.

I'm gonna wrap up my thought with a note that was posted to the QRP-L list. I am reprinting it with his permission:

*"You know, I'm really saddened by the way most of the people on this list are reacting. Whine, whine, whine, moan, moan, moan, grumble, grumble, grumble..."*

*With regards to radio, those on this list are some of the most resourceful people I have ever had the privilege to associate with. I am in awe of most of you.*

*However, most of you don't see the new licensing plan as an opportunity. You see it as degrading; too bad.*

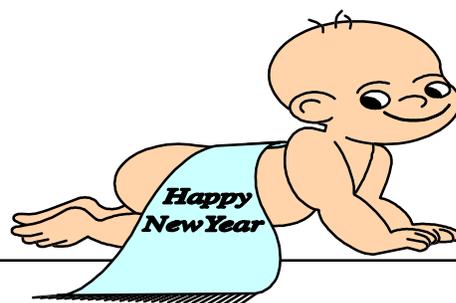
*I plan to get off my duff and get people into amateur radio now that I can offer them an something exciting and challenging without some archaic notion that everything in the hobby (some will inevitably remind me that it is a service - go ahead and do so) revolves around Morse code.*

*Is Morse code important? Absolutely, but no more so than RTTY, ATV, Packet, SSB, AM, FM, etc. Is it more challenging? Again, ABSOLUTELY. But it is one SMALL aspect of Amateur Radio.*

*So, quit complaining about the lemons and go make some lemonade! Get in there and recruit all these new amateur operators that you are so sure are going to ruin your hobby and show them that even though 20 WPM is no longer required, that it is challenging and enjoyable. In other words, the Amateur service is what YOU put into it, not what newcomers bring themselves. YOU are the Elmers. Now, go do your job!"*

Mark A. Andrews - KE4IOF

QRP-L #146



## Central Michigan Amateur Radio Club Treasurer's Report

Account Balances as of December 3, 1999

### ASSETS:

#### Cash & Bank Accounts

Mich. Nat'l Bank Checking \$661.16

USPS Postal Deposit \$195.73

TOTAL Cash & Bank Accounts \$856.89

#### Other Assets

Comerica Bank CD \$1,291.53

TOTAL ASSETS: \$2,148.42

LIABILITIES: \$0.00

TOTAL NET WORTH: \$2,148.42

Income & Expenses: November 5-December 3, 1999

### INCOME

Coffee Fund \$0.00

Dues \$60.00

Reimbursement-HamFair Fliers \$107.33

Directories \$0.00

TOTAL INCOME: \$167.38

### EXPENSES:

SCOPE Mailing \$136.02

Supplies-Julie McLain \$54.15

Postage Due \$4.62

ARRL-Outgoing QSLs \$6.00

Service Charges \$14.23

TOTAL EXPENSES \$215.02

TOTAL NET INCOME \$(47.69)

Respectfully Submitted,  
Joseph Denomme-N8VYS, Treasurer

## New EC, Assistant Named

Long-time EC, Harold Bell/WA8LAY and Asst. EC, Donald Tillitson/WB8NUS recently announced plans to resign their positions. The change took place just before the New Year and Bell tapped LCDRA President, Clint Hannahs/KC8EHR as his successor. Hannahs wasted no time in naming his choice to the Asst. EC post, Cary Britten/KC8JKA (outgoing SCOPE editor).

Both Bell and Tillitson spent many years working with CMARC in various capacities, including EC and Assistant and both are looking forward to "a little rest" from the hustle and bustle that comes with the jobs. Tillitson also recently chose not to run for re-election as LCDRA Treasurer, so he has LOTS of time on his hands now.

In Clint's first official operation, working with Lansing's Director of Emergency Management, Tom Shaver/KC8NJK, members of the local RACES and ARES teams stood watch as the Y2K came in on New Year's Eve. Of course, all went off without a hitch and they went home tired. According to Hannahs, the team did well. "I'm really happy with the team, I'm proud of the hard work and dedication they have shown." Clint and the gang manned posts at local Fire Stations, Police Stations, Hospitals and the State EOC on Canal Rd., operating as needed and passing traffic between posts.

Congratulations to Clint, Cary and Tom on a job well done!

## The Y2K CMARC Board

## The Y2K LCDRA Board

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

### Our Y2K-Complacent CMARC Officers:

Pres: J. Ervin Bates-W8ERV ph: (517) 676-2710  
 Vice Pres: Bill Mathews-KB8TTS ph: (517) 394-1198  
 Sec: Julie McLain-KB8ZXR ph: (517) 694-0812  
 Treasurer: Pam Denomme-KB8PSF ph: (517) 589-5263  
 Dir: Don McLain-KB8RAD ph: (517) 694-0812  
 Dir: John Crawford-N8LLC ph: (517) 393-2336  
 Under 22: Tyler Head-KC8LWG ph: (517) 669-9375  
 Cards & Flowers Chmn.: Julie McLain ph: (517) 694-0812  
 Membership Chmn.: John Ingraham-NG8L ph: (517) 484-8027  
 Meetings: 1st. Friday of every month at the Red Cross, Lansing Chapter, 1800 E. Grand River at 8pm.  
 Club Calls: W8MAA & W8PLP  
 QSL & Awards Mgr.: Don DeFeyer-KC8CY  
 Scope Editor: Cary M. Britten-KC8JKA email: KC8JKA@att.net  
**Deadline for articles: 15th. of month.**

### Our Y2K-Complacent LCDRA Officers:

Pres: Clint Hannahs-KC8EHR ph: (517) 882-1799  
 Vice Pres: Don Clark-N8XME ph: (517) 669-4586  
 Sec: Scott Newfer-W8SRN ph:(517) 381-8148  
 Treasurer: Dan Harger-W8BCI ph:(517) 882-8784  
 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

# Classifieds & Special Announcements

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## For Sale

Radio Shack 2 meter handheld, HTX 202, 2 spare NiCd battery packs, used very little, still in the box with manual, \$150.

Radio Shack General Coverage receiver DX 394, similar in size and shape to the PRO-2035 scanner, \$135, in box with manual.

Azden, 6 meter handheld with brand new spare battery pack, box and manual included \$250.

Alinco DR 430 UHF FM transceiver with Motorola AC power supply, \$300.

All items are in excellent condition, contact WA8QJE, Ed Hude at 517-676-2241, weekdays between 9am-11am, or weekends 9am-7pm.

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Brand new, in the box FT 50R Dual Band HT with programming software. \$285.00. Call Jim Acker, W8NBC at (517)-764-1751

## Winter Hamfest & Computer Show

Sunday, February 13, 2000 7am-3pm  
Richland County Fairgrounds, Mansfield,  
Ohio

Flea Market with over 400 tables in four  
modern, heated buildings

Tickets \$5 at the door, Tables \$10 (advance),  
Parking \$1

Sponsored by IARC & MASER

Contact: n8joz@aol.com or visit  
[www.maser.org](http://www.maser.org)

## For Sale

1.) Nor-Cal 38 Special, 30 meter QRP transceiver. Built and operational \$50

2.) Digitrex Model 7600 portable frequency counter. Good to 600 Mcs \$40

3.) Several editions of Radio Amateur's Handbooks. 1960, 64,74,75,76 \$4 each

Contact Gregg Mulder, WB8LZG  
(517) 646-6257 after 5pm, please.

## Free to Homebrewers...

I have large quantities of certain common resistors and capacitors. If you're building a project and need a few parts call me first and save your money. -Gregg

COMING SOON....CALENDAR OF EVENTS. YOU WANTED IT AND IT'S COMING BACK, BUT IN A NEW FORMAT. LET US KNOW WHAT YOU THINK NEXT MONTH WHEN IT DEBUTS. IN THE MEAN TIME, SEND IN YOUR CALENDAR ITEMS TO W8EARV@ARRL.NET, OR CALL (517) 676-2710. THANKS, ERV

# *VE Sessions, Club Meetings & Miscellany*

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

Testing is held at the Lansing America Red Cross, in the Kropschot Room at 1800 E. Grand River; Lansing, MI 48909 Talk-In 145.390 - (100hz PL)

Registration begins at 9:30am and testing starts at 10:00am for the following dates:

**Jan. 8, Mar. 11, May 13, July 8, Sep. 9, Nov. 11**

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

## **Corunna VE Testing**

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

(except for July, Nov. & Dec.)

7pm Registration

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

Call in frequency is 147.020 +

## **Charlotte VE Testing**

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

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

12 Noon Registration

Talk-In frequency is 147.080 +

## **Howell VE Testing**

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

Highlander Way, Howell, MI. 7pm.

Contact: Greg Mcdiarmid-AA5GO  
517-548-5893

Talk-In frequency is 146.680 (100 hz PL)

## **Mt. Clemens VE Testing**

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

Contact: Bill Chesney 810-468-8345

7pm. Registration~Talk-In frequency is 147.180  
+ (100 hz. PL)

## **Grand Rapids VE Testing**

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

1050 E. Fuller Ave., NE, Grand Rapids.  
6:30pm.

Contact: Ed/N8UXN 616-458-9029

Talk-In frequency is 146.760 - (94.8 PL)

## **LCDRA MEETING**

The next LCDRA meeting will be held at 7:30 p.m. on February 17th. The meeting will again be held at the Lansing Fire Department, Station #8, located at Marshall and Grand River, near the Red Cross in Lansing. The talk-in frequency will be 145.39 with a 100-Hz PL. Hope to see you there!

# COMPUTER WORDS

BY WA8LAY

## Word list



AUDIO	KEYING
BASIC	LEAK
BIAS	MOPA
BUFFER	PRIMARY
CODE	RICE
DIRECT	SHAPING
DISTORTION	SIDEBAND
DUMMY	SOUND
EARPHONES	STONE
GRID	TRANSISTOR
HEISING	TRIODE
HUM	VFO

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

## 2000 CMARC MEETING DATES

**January 7**-State of the Hobby

**February 4**-Kaz Fujita, MSU

**March 3**-open

**April 7**-SKYWARN Class

**May 5**-NO MEETING-Ladies'  
Night Banquet/Ziegenbein Award

**June 2**-Field Day Prep.

**July 7**-open

**August 4**-open

**September 1**-open

**October 6**-HAMFAIR

**November 3**-Board Nominations

**December 1**-Nominations, Elec-  
tions and Christmas Party



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

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**January, 2000**

