

A New Look for the New Millennium - July, 2001



Central Michigan Amateur Radio Club

THE SCOPE



Lansing Civil Defense Repeater Association

www.qsl.net/cmarc **80 Years of Service to Our Community!** www.qsl.net/lcdra

“CQ Field Day, this is W8MAA”

The annual rite of Summer arrived last week, with Amateur Radio Operators heading to the field for Field Day 2001. According to our local FD organizer, Mike Sanders (KC8FCA), ‘attendance was down over last year, but I am confident we did well in the 2 Alpha category.’

The weather cooperated this year, which is a surprise to many veterans of the event. Not much in the way of inclement weather, just balmy daytime conditions and cool, comfortable evenings. And the bands seemed to be in good shape, too, from what we’ve heard through the grapevine. Sounds like it was nearly picture perfect.

The usual array of homebrew antennae, as well as some commercially purchased models, graced the Kamp Kiwanis grounds and the dits and dahs could occasionally be heard over the phone station, coming from one of the CW operating centers nearby. Ah yes, Field Day. And then there was the food. Again, a huge staple in Field Day operating. There is nothing quite like that trip to the refrigerator in the wee hours, when the bands are quieter, for that stacked ham and turkey sandwich. Wash it down with a fistful of chips and a cold Coke and it’s back on the air.

But when the points are tallied, the only thing that REALLY matters to those who steadfastly work Field Day is the fun we all had. No matter what your age, Field Day makes us all young again. Each year, we invite people to come and see us at work and some come.

Invariably, a new Ham shows up for his first taste of calling CQ on the bands, in a contest mode. And then, there is the youngster. Eyes wide as saucers and a smile of contentment on his face, he (OR SHE) will key the microphone and give us all goosebumps. Or, like one young man did last year, make a chance contact with W1AW! Yep, this is what it’s all about.

So the food is gone, the rigs and antennae are packed away and Kamp Kiwanis is silent again. But WAIT until next year! Those who didn’t make it due to work, or other reasons, REALLY missed out. There’s nothing quite like CMARC’s Field Day, is there?



‘It’s all in the wrist!’ Long-time Field Day worker, Don Devendorf (W8EGI) spins the knob, looking for contacts for the log. This year’s event, while smaller, was still loads of fun, according to those who attended.

News From Around Town

Including Meeting Minutes from CMARC & LCDRA

CMARC Board Meeting

June 1, 2001

The board meeting opened at 7:15pm. Board members present were Vice President Kenneth/W8HNI, , Treasurer Pam/KB8PSF, Under 22 Director Emily/W8ELS, Director Randall/KC8IHV, and Secretary Mike/KC8FCA. President Michael/KC8DBP and Director Bruce/KC8ODP were excused. President Michael/KC8DBP had eye surgery recently.

Under 22 Director Emily/W8ELS discussed the future interests of younger members; Emily plans on contacting Girl Scouts and Boy Scouts for future events; JOTA (Jamboree On The Air; October 27th). Bob/K8RBT is still awaiting pictures for the club directory. For any members wishing to renew ARRL memberships; if you do so through the club via Treasurer Pam/KB8PSF the club receives \$2. More discussion about the hands on projects continues; we will start hands on projects on Saturday September 8th, in the afternoon. Projects will include a QRP kit, HF antenna, VHF/UHF yagi antenna, soldering, and electronic theory.

Submitted by Michael Sanders, KC8FCA-CMARC Secretary

CMARC Meeting

June 1, 2001

The meeting started out with stories about Dayton. Under 22 Director Emily/W8ELS discussed some of her experiences at Dayton. Others discussed various equipment they purchased at the Dayton Hamfest. Don/WB8NUS is still asking for help on the Bike-a-thon July 14th and 15th. The following Saturday will be the Women-on-Wheels event. Other events include Walk America and March of Dimes. Keep in touch with Don for those volunteer efforts. Thirty-four members signed in this evening.

VISITORS: we were graced by the presence of Michael Hoadley/KC8OHD, Jim Blake/KC8DH, Clifford Jones/KC8OXT, Scott Tickner/K8SBT, Billy Ziotek, Thomas Knott W8LTX, and Mario Boccarossa/WA8YRJ. No reports on **LICENSE UP-GRADES.** No reports on **UNUSUAL CONTACTS.** **ANNOUNCEMENTS:** KC8FCA/Field Day Chairman discussed rules and other ideas for Field Day. **OLD BUSINESS:** because of some unforeseen complications and technical problems OLD BUSI-

NESS will be discussed next month. **NEW BUSINESS:** Wayne Atkinson/KC8QEK was the guest speaker for this evening. Wayne discussed Electrical Safety; a video was shown that would scare almost anyone into being more cautious. Wayne was a very good speaker, very informative. It was decided that hands on classes start Saturday September 8th, in the afternoon. Projects will include QRP kits, HF antenna, VHF/UHF yagi antenna, soldering, and electronic theory. Cards will be sent to Hank/WA8UNQ(sympathy card), Fulton Radio(thank you card), and Michael Rhew/KC8DBP(sympathy card).

Representation at Ingham County Fair for CMARC/LCDRA were discussed; Mike/KC8FCA will be looking into the details. Possibilities of bringing back CMARC meeting auctions was discussed. An award was given out to CMARC call W8PLP as a newly appointed member of the DX CLUB. This years Ziegenbein award given to James "Erv" Bates/W8ERV. The meeting was brought to a close by a motion from Currin Skutt/W8FSZ and seconded by Wayne Atkinson/KC8QEK.

Submitted by Michael Sanders, KC8FCA-CMARC Secretary

LCDRA MEETING

April 19, 2001

Dan Harger opened the meeting at 7:06. Members present were: W8SRN-Scott Newfer, W8BCI-Dan Harger, KB8ZQZ-Dennis Boone, N8SR-Steve Rentschler, W8TCC-Troy C. Creed, WB8NUS-Don Tilitson, KC8ODP-Bruce Rainey, W8BQD-Don Rickerd, KA8DDQ-Jim Harvey, W8EB-Bil Blick, KC8NJK-Tom Shaver, WA8LAY-Harold Bell, W8MMQ-Dan Hicks, K8KSX-Hazel Rickerd, KC8EHR-Clint Hannahs, N8OBZ-Douglas Morgan and N8TNT-Bob Benko

Each member gave his/her name and call sign along with the original call sign(s) as a way of becoming familiar with each other. It was very interesting to see the number of original calls and the also to hear the old calls.

*Secretaries report, by Troy Creed, was submitted and then it was moved by Bill Blick to accept the secretaries report as written and the seconded by Scott Newfer.

*Treasurers report was given by Scott Newfer and then moved by Don Rickerd to accept the report as written and seconded by Dennis Boone.

Old Business:

There was some discussion and clarification that LCDRA was effectively the financial arm of the CMARC-LCDRA organizations when asked specific pertaining to HamFair and the dissemination of profits, gained from it.

*HamFair was discussed and it was brought up by Don Tilitson that we will have the same contract, with the Summit as we had last year. The Summit

management was extremely happy with the way everything turned out. They also locked in the second Sunday of October until further notice.

One problem occurred though, which will take some planning to work out. NO vehicles will be allowed in the Summit, so hand carts and helpers will have to be found. The Vendors may have a real problem with this but we will have to work around this problem.

*Discussion took place to affirm the action of CMARC's decision to replace HamFair Chairman Bill Mathews (KB8TTS) with Jim Bates (W8ERV). It was a unanimous decision by the members present to back the action of CMARC on this matter.

*There are also some supplies that need to be purchased; a new stamp for the treasurer for deposits to our account. The bank was bought out and changed names. Also the computer the treasurer uses is so out of date, the programs are no longer compatible with any on the market today. Bruce offered a printer, and Dennis and Bruce will try to "scare-up" some parts and pieces to bring the computer up a few revs.

Some Dates to Remember...

Chelsea Swap 06/03/01

MS Bike-a-thon 07/14/01 - 07/15/01

Grayling Swap 09/08/01

*Dan Harger told the group that another Micor unit would be nice to have as a back-up for our repeater systems. This unit could be pre-tuned and ready to go in case of a problem with one of the online repeaters.

*It was noticed by local hams, that the some of the 145.390 transmissions were getting into the 146.700 and 146.940 repeater. This appeared to happen when certain individuals were near the 146.700 and 146.940 location. There may be a problem with one of those individuals

radios, ?over-deviation?

*Bruce Rainey brought up the point that no one was at the CMARC meeting to take dues for LCDRA. Discussion followed and the matter will be addressed in time.

New Business:

*A commendation was given to Jim Harvey for the hard work done on getting the 146.539 repeater back working in tip-top shape.

*Clint Hannahs read a document for Agreement of Understanding between the Ingham County/Amateur Radio Public Service Corps(IC/ARPSC) and Lansing Civil Defense Repeater Association(LCDRA) for use of LCDRA's repeaters for disaster/emergency use and for training use. The document was well received and was sent back for minor editing and will be signed at the next meeting.

Two questions were raised:

#1. Should there also be a memo of understanding between IC/ARPSC for the link repeater,(145.470)? And with whom; LCDRA, IRA, etc?

#2. Should there be a Memo of Understanding between IC/ARPSC and the American Red Cross?

Tom Shaver took some time to explain why the memos are necessary and why this information needs to be in writing. Dennis Boone then made a motion that Dan Harger be instructed to sign the document, and It was seconded by Scott Newfer. Voted on and passed.

*Bil Blick went over proposed change to the Constitution and Bylaws. Bil suggested that the vote, which needs to be a 2/3 vote of the membership, be sent on a postcard requiring a 'NO' vote to be mailed back and by not mailing the postcard back would signify a 'YES' vote. Bil Blick moved that these amendments be published in the Scope and

show the procedure for voting on the Constitution/By Law change, and then to accept these changes at the meeting. Seconded by Bruce Rainey, Voted on and passed.

*Dan Harger explained that there was available two Micor continuous duty repeaters for \$100 dollars each. The transceiver is in great shape. The third unit could be used as a very nice Digipeater. The total of \$500 for the controller, plus \$200 for base stations at a total of \$700. There are nominal charges for crystals and other extra parts. Motion was made by Bill Blick to approve \$1000 for the repeaters and components. It was seconded by Don Rickerd and voted and passed.

*Bob Benko made a motion to purchase a PL board for the 220 repeater, and to buy a Cat300 controller for the 220 repeater. Discussion ensued. Dennis added to the motion to buy one additional Cat 300 controller and another one at a later date, seconded by Bob Benko

*Insurance is being looked into by one of the members. (Secretary missed the name.) This insurance would be for the repeaters, and associated equipment, that is insurable.

*A motion was made by Bruce Rainey, and seconded by Clint Hannahs that ARRL membership b added to the by-laws.

Motion to adjourn, made by Clint Hannahs, seconded by Tom Shaver meeting ended at 9:10pm 04/19/01

*Minutes respectfully submitted by,
Troy C. Creed W8TCC*



MS 150 Bike-A-Thon Notice

On July 14th and 15th, Saturday and Sunday, the 145.390 Repeater will be used to conduct communications for the MS 150. The Okemos Repeater will also be linked to the 146.780 Repeater in Fenton, during this event. Your cooperation in refraining from using the 5.39 for local chat and other contacts will be greatly appreciated.

-submitted by Dan (W8BCI)

Returnable Cans, Bottles for HamFair

Nope, it's not a typo, friends. HamFair, in an effort to raise needed funds, is collecting your returnables. Now, you can do it one of two ways. Either you can bring em' in to the CMARC meetings between now and October, and we will return them, or you can return them and bring in the proceeds.

By the way, ALL proceeds from this collection WILL go to HamFair2001. If you have any questions, please contact Erv (W8ERV) at w8erv@arrl.net, or call 517-202-6229. And if you have suggestions for some fund-raising ideas, please forward them to Erv, as well. Thanks and we will see you at the meetings.

Attention CMARC Members!

Do you have someone in your club who is especially good at elmering new hams? Could you please write to us and let us know what that person does that is "above and beyond"?

We are going to start a feature on the Web, similar to the Club Spotlight, for Elmers. "Elmers: A Guiding Ham". Please send your information to Margie Bourgoin, KB1DCO at kb1dco@arrl.org

AMATEUR MORSE TESTING CHANGES EFFECTIVE JULY 1

New Morse code exam standards go into effect Sunday, July 1, for all Volunteer Examiner Coordinators. The new standards call for F a r n s w o r t h character speed in the 13-to-15 WPM range and the end of multiple-choice questions for routine Morse code exams.

The National Conference of Volunteer Examiner Coordinators voted last July to set up the revised standards for the administration of Morse code examinations in the US after ama-

teur restructuring established 5 WPM as the sole Amateur Radio Morse code requirement.

ARRL VEC Manager Bart Jahnke, W9JJ, points out the required change to the Farnsworth protocol replaces the 18-WPM character speed ARRL VEC has used since 1989. "Standard 5 WPM messages with 5 WPM characters are available as an accommodation," he said. "Standard (non-Farnsworth) speed messages are available upon special request from the ARRL VEC for ARRL VE teams." In addition, the Morse exam audio frequency range should be between 700 and 1000 Hz for routine exams.

Consistent with the revised standards, Jahnke said, ARRL VEC has set 15-WPM characters as its Farnsworth setting and 750 Hz as its audio-frequency standard.

Code practice transmissions from Maxim Memorial Station W1AW will reflect the new Farnsworth standard. W1AW Station Manager Joe Carcia, NJ1Q, says transmissions using the new protocol will begin Monday, July 2. "Any of our code transmissions at speeds below 18 WPM will drop from 18 WPM to 15 WPM character speed," he said. "We will maintain the standard method at speeds above 18 WPM—20 WPM at 20, 25 WPM at 25, etc." Carcia said the W1AW Web code practice files <http://www.arrl.org/w1aw/morse.html> also will be changed to mirror the W1AW transmission protocol. ARRL's Your Introduction to Morse Code cassette tapes and audio CDs also

have adopted the new standards.

The new Morse examination standards also affect test administration. After July 1, Morse examinees will have to supply fill-in-the-blank answers for the 10-question Element 1 quiz. Multiple-choice type examinations no longer will be acceptable. Under the new testing regime, Morse code examinees must either correctly answer seven of the ten fill-in-the-blank questions or correctly copy 25 consecutive characters.

REGISTRATION OPENS FOR ARRL ON-LINE LEVEL II EMERGENCY COMMUNICATIONS COURSE

Registration for the ARRL Level II—Intermediate Amateur Radio Emergency Communications Course (EC-002) will open Monday, June 25, at 4 PM EDT. The on-line class will begin the following week.

For those with previous experience and for anyone who took the Level I course (EC-001) the Level II course will enhance your skill and knowledge by providing a more in-depth look at emergency communications. Among the many topics covered are: Working With Volunteers, Human Resource Aspects for

NCS, Net Manager Duties and Qualifications, Mutual Assistance and the ARESMAT Concept, FCC Emergency Frequency Declarations, Handling Hazardous Material Incidents, and National Disaster Medical System Emergency Communications.

If you found Level I—Introduction to Amateur Radio Emergency Communications an interesting and educational experience, you will certainly appreciate the Level II course even more.

The registration fee is \$40 for ARRL members and \$70 for non-ARRL members. To enroll, visit the ARRL Course Registration Page, <https://www.arrl.org/forms/cce> after 4 PM Monday, June 25. ARRL course welcome letters will be sent later in the week once mentors have been assigned to each student. Access codes will be sent the following week, so that all students can begin the program.



Ruminations



From Michael Rhew (KC8DBP) President of the Central Michigan Amateur Radio Club

Hi Erv;

I do not have a regular article for July, but want to pass along an update on my condition following the emergency surgery to correct my detached retina. The operation was successful and I expect to have good vision in a few months.

I am dealing with the effects of the operation now, which prevent me from seeing well from the eye at present. Once the medication that keeps my eye dilated is finished, and the muscles return to normal strength and position, I expect the blurriness and double vision to subside. Until then I will have to adapt to seeing with one eye.

In a couple of months I will need to be examined for a new lens for the eye, since the operation changed the degree of my nearsightedness (worse). I will also need to have laser correction of a retinal degeneration in each eye, to (hopefully) prevent any more detachments from occurring.

This surgery is an experience that I do not want to repeat. Two weeks away from work, and I can hardly wait to get back (not much on TV and computer games get tiring after a while).

73,

Mike - KC8DBP

Project	Teacher Name	Student Name	Sat. AM Class	Sat. PM Class
UHF/VHF Vertical Antennas				
UHF/VHF Beam Antennas				
HF Mobile Antennas				
HF Wire Antennas				
Electronic/Radio Kit Assembly				

Something Funny, Something Special

Humorous, Sometimes Touching Submissions from our Members and Others

DAD'S ADVICE

From a San Diego Father who has identified 35 truths he learned from his children:

1. There is no such thing as childproofing your house.
2. If you spray hair spray on dust bunnies and run over them with roller blades, they can ignite.
3. A 4-year-old's voice is louder than 200 adults in a crowded restaurant.
4. If you hook a dog leash over a ceiling fan, the motor is not strong enough to rotate a 42-pound boy wearing pound puppy underwear and a Superman cape.
5. It is strong enough, however, to spread paint on all four walls of a 20x20' room.
6. Baseballs make marks on ceilings.
7. When using the ceiling fan as a bat, you have to throw the ball up several times before you get a hit.
8. You should not throw baseballs up when the ceiling fan is on.
9. A ceiling fan can hit a baseball a long ways.
10. The glass in windows (even double pane) doesn't stop a baseball hit by a ceiling fan.
11. When you hear the toilet flush and the words "uh-oh", it is already too late.
12. Brake fluid mixed with Clorox makes smoke———lots of it.
13. A 6 year-old boy can start a fire

with a flint rock even though a 60-year old man says it can only be done in the movies.

14. A magnifying glass can start a fire even on an overcast day.
15. If you use a waterbed as a home plate while wearing baseball shoes, it does not leak. It explodes.
16. A king-size waterbed holds enough water to fill a 2,000 sq. ft. house almost 4 inches deep.
17. Legos will pass through the digestive tract of a 4-year-old.
18. Duplos will not.
19. Play-Doh and microwave ovens should never be used in the same sentence.
20. Super Glue is forever.
21. MacGyver can teach us many things we don't want to know.
22. So can Tarzan.
23. No matter how much Jell-O you put in the pool, you still can't walk on water.
24. Pool filters do not like Jell-O.
25. VCRs do not eject PB&J sandwiches, even though TV commercials show they do.
26. Garbage bags do not make good parachutes.
27. Marbles in gas tanks make lots of noise when driving.
28. You probably don't want to know what that odor is.
29. Always look in the oven before you turn it on.
30. Plastic toys do not like ovens.
31. The fire department in San Diego has at least a 5-minute response.

32. The spin cycle on the washing machine does not make earthworms dizzy.

33. It will, however, make cats dizzy.
34. Cats throw up twice their body weight when dizzy.
35. A good sense of humor will get you through most problems in life. (...unfortunately, mostly in retrospect)

Thanks to Internet Visitor, Jack Archer of Lake Odessa, MI

The Old Hunter

Two new members of a hunting lodge get introduced to its oldest member. They ask him to tell his favorite hunting story, and he agreed.

"Well...back in 1944, in Africa," the man starts, "we went big game hunting. Didn't have much luck at first, but on the third day I was resting by a tree when I heard a noise. Next thing I know the biggest lion I have ever seen jumped out of the bushes at me like this....ROAAAARRRR!!! Well, I just crapped my pants."

The young men are amazed. One of them says, "I don't blame you. I'd crap my pants too if a lion jumped at me like that." The old man shakes his head and says, "No, no...not then...just now when I said roar!"

Thanks to Internet Visitor, Pat Tinics of Cleveland, OH

Attention Story Collectors: Got something funny or touching to share with us-Why not submit it? Email Erw w8erv@arrl.net or call him 676-2710

The 2001 CMARC Board

The 2001 LCDRA Board

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

Please Meet Our CMARC Officers:

Pres: Michael Rhew-KC8DBP ph: (517) 725-1853
Vice Pres: Ken Faiver-W8HNI ph: (517) 321-8170
Sec: Michael Sanders-KC8FCA ph: (517) 346-7428
Treasurer: Pamela Denomme-KB8PSF ph: (517) 589-5263
Dir: Bruce Rainey-KC8ODP ph: (517) 627-9118
Dir: Randall Stortz-KC8IHV ph: (517) 882-3298
Under 22: Emily Shanblatt-W8ELS ph: (517) 332-0489
Cards & Flowers Chmn.: Michael Sanders-KC8FCA ph: (517) 346-7428
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 (upstairs) at 7:30pm.

Club Calls: W8MAA & W8PLP

QSL & Awards Mgr.: Don DeFeyer-KC8CY

SCOPE Editor: J. Ervin Bates, W8ERV ph: (517) 676-2710 or Email: w8erv@arri.net

Deadline for articles: 15th. of month.

Please Meet Our LCDRA Officers:

Pres: Dan Harger-W8BCI ph: (517) 882-8784
Vice Pres: Don Rickerd-W8BQD ph: (517) 339-8496
Sec: Troy Creed-W8TCC ph: (517) 323-6358
Treasurer: Scott Newfer-W8SRN ph: (517) 381-8148
Dir: Hal Bell-W8LAY ph: (517) 484-0962
Dir: Bruce Rainey-KC8ODP ph: (517) 627-9118
Repeater Trustee: Dennis Boone-KB8ZQZ ph: (517) 337-0857

LCDRA Call: WB8CQM

Meetings: Quarterly, on the 3rd. Thursday at 7:30pm. at Lansing Fire Dept., Station #8, on Marshall St. at Grand River, just west of the Red Cross. *Ask Clint to show you the EOC station they have worked so hard to build up.*

**July Birthdays got
lost in the E-mail.
See them next month
with the August list-
ing.**

Central Michigan Amateur Radio Club Treasurer's Report

Account Balances as of June 1, 2001

ASSETS:

Cash & Bank Accounts

Mich. Nat'l Bank Checking \$926.55
USPS Postal Deposit \$98.46

TOTAL Cash & Bank Accounts \$1,025.01

Other Assets

Comerica Bank CD \$1,423.96

TOTAL ASSETS: \$2,448.97

LIABILITIES:

\$0.00

TOTAL NET WORTH: \$2,448.97

Income & Expenses: May 4-June 1, 2001

INCOME

Coffee Fund \$2.88

ARRL Dues Rebate 4.00

Ladies Night Reservations 411.75

Dues 30.00

TOTAL INCOME: \$448.63

EXPENSES:

SCOPE Mailings \$46.53

Printer Ink Cartridges \$84.85

Ziegenbein Plaque \$49.95

Cake for Ladies Night \$14.90

Coral Gables-Ladies Night \$389.03

ARRL Outgoing QSL \$4.00

Ladies Night Entertainment \$100.00

Service Charges \$12.00

TOTAL EXPENSES \$710.26

TOTAL NET PROFIT \$(261.63)

Respectfully Submitted,

Pamela Denomme-KB8PSF, Treasurer

Ingham Co. ARPSC Training Meetings

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

Every other Monday during the month, there is the Ingham County ARPSC net held at 9pm on 146.580MHz. This net is held for RACES/ARES equipment check and information pertaining to RACES/ARES members.

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

Ingham Co. ARPSC 2001 Meeting Schedule

July 16th-Fire Station #8 in Lansing
August 20th-Sheriff Dept. in Mason
September 17th-Fire Station #8 in Lansing
October 15th-Sheriff Dept. in Mason
November 19th-Fire Station #8 in Lansing
December 17th-Sheriff Dept. in Mason

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FOR SALE:

Kenwood TS-850 HF transeiver, with built in antenna tuner, ac supply and MC-50 microphone, and instruction manual. This radio has general coverage rcvr, mint condition in no smoker shack \$900.00. I will also include a 10-15-20 meter trap vertical (Hygain) Contact Ed Hude WA8QJE, 517-676-2241

FOR SALE:

Yaesu VX-5R Triband (2m, 70cm, 6m) 5 Watt HT. Nearly New Condition. Comes with case, charger cord. \$275 or best offer.

Brand new MFJ 945e Mobile Tuner & Mobile Bracket. Original box and manual. Only used about one hour. Asking \$90.(price firm) Yaesu FT 2500 2m mobile radio. Needs some attention/repair. No guarantees, but if you want to deal with it, I will sacrifice it for \$40. Sold AS IS.

Please contact Cary (KC8JKA) for more information 517-484-0734 After 5pm, or email kc8jka@arrl.net

FOR SALE:

1. Tectronics O-Scopes: model 2213A dual trace, 60MHz \$150. model 455 dual trace, 75MHz \$150.
(2) model 422 dual trace, 40MHz \$50/ea.

2. Silent Key Estate Items: Kenwood TS 520 \$250. Kenwood TS 440S w/mic, power supply \$450. Pyramid 25A power supply \$75. Bird Wattmeter (with unknown slugs). Comes with carrying case \$150

Please contact Gregg Mulder (WB8LZG) at 517-646-6257 after 5pm

Local and Area VE Sessions

Lansing V.E. 2000/2001 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:

Jul. 14th, Sep. 8th, Nov. 10th.

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

Corunna VE Testing

Jun. 28th, Aug. 23rd, Oct. 25th, Dec. 27th
6:30pm Registration
Email: aa8tc@arrl.net
Web Address: <http://www.qsl.net/aa8tc>
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
12 Noon Registration
Talk-In frequency is 147.080 +

Howell VE Testing

On the 2nd Tuesday of the odd months at the Emergency Operations Ctr.
Highlander Way, Howell, MI. 7pm.
Contact: Greg Mcdiarmid-AA5GO
517-548-5893
Talk-In frequency is 146.680 - (100 hz PL)

Mt. Clemens VE Testing

On the 1st and 3rd Saturdays of the month at the Salvation Army in Mt. Clemens, MI
Contact: Bill Chesney 810-468-8345
7pm. Registration~Talk-In frequency is 147.180
+ (100 hz. PL)

Grand Rapids VE Testing

On the 1st Friday of the month at the Red Cross,
1050 E. Fuller Ave., NE, Grand Rapids.
6:30pm.
Contact: Ed/N8UXN 616-458-9029
Talk-In frequency is 146.760 - (94.8 PL)

Jackson VE Testing

On the 3rd Saturday of most months (10am) at the Jackson District Library, 244 W. Michigan in Jackson, MI
Contact: Dick McGuire 517-782-1430
Walk-Ins Welcome! Talk-In frequency is 146.880 - (100 hz. PL)

COMPUTER WORDS

BY WA8LAY

Word list

AMMETERS	POWER
AMPERAGE	RECTIFIER
ANALOG	SET
BRIDGE	SHOCK
COLPITTS	SHUNT
COMPUTING	SILICON
DAMPING	SWINGING
FET	TEST
HARTLEY	TPTC
LINEAR	TRIAC
MOSFET	VOLTAGE
PANEL	WATT



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Y A M M E T E R S T P T C M
Z M N P O W E R Q U R E O T
O P D A M P I N G I B S L J
X E F N L I N E A R F T P P
V R S E T O W C T E T G I L
K A E L T E G A T L O V T N
I G Q C O M P U T I N G T Z
O E U K T H J V N T K A S E
V P F K T I Y B U T C Z Q B
N Y F D E N F R H I W Z D M
N U N O C I L I S H O C K R
F M Y H F H M D E L C V Z I
S W I N G I N G G R D K R R
R M H A R T L E Y L O U X A
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Calendar of Events for July, 2001

Jul-6th CMARC Meeting 7:30pm
Jul-7th 5.39 Breakfast, Flap Jack (6927 S. Cedar) 7:30am
Jul-11th OOTC Lunch 1pm. (contact Jerry Maslowski or Irv Graham for location)
Jul-21st Organizational Meeting for HamFair2001 2pm-Okemos Rd. Big Boy
Jun-28th QCWA Breakfast, Flap Jack (6927 S. Cedar) 8am

Monday evenings at 9pm, ARPSC Net 146.580 simplex, No PL tone

Tuesday evenings at 8pm, QCWA Net 146.700 -600

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

“Celebrating 80 years of Service to the Greater Lansing Area!”

July, 2001

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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
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