

# April 2002 – Showers Bring



## Central Michigan Amateur Radio Club *THE SCOPE* Lansing Civil Defense Repeater Association



[www.qsl.net/cmarc](http://www.qsl.net/cmarc) 80 Years of Service to Our Community! [www.qsl.net/lcdra](http://www.qsl.net/lcdra)

### MICHIGAN QSO PARTY

Attention Michigan Amateurs. Spring is here and it's time for the Michigan QSO Party. This is a great opportunity to get on the HF bands, have some fun, and represent the great State of Michigan. The organizers of this event would like to see as many Michigan stations on the air as possible. It is the activity of the Michigan stations that will make this event a success. This event has seen increased activity in the last few years. With your participation it has the potential to be one of the best QSO parties in the country.

As you can see from the rules listed below, this is only a 12 hour event.. Consider getting on the air for the whole thing, or any portion of the 12 hour period. You can operate from home or mobile. There are a number of mobile stations that will be roaming the state. All 83 counties will be on the air. You can work these mobile stations over and over as they change counties and modes. Many hams have a blast just chasing

the mobiles. How about making this a club event? You can submit your individual or multi-op scores under the name of the club and maybe bring home the club plaque. Hey, why not challenge another local area club or other groups within your club? The name of the game is to have fun and make Michigan "Radio Active" on April 21. Hope to hear you on the air!

**Date /Time:** Michigan QSO Party, sponsored by the Mad River Radio Club, from 1600Z April 20 until 0400Z April 21. Stations may operate the full 12 hours.

**Modes and Categories:** Phone and CW on 80/40/20/15/10 meters. Single-op, multi-op, and mobile categories.

**Multipliers:** Work stations once per band and mode. MI-to-MI QSOs allowed. Work portables and mobiles again as they change county, state or province.

**Exchange:** Exchange QSO number and location (county for MI stations,

state/province or "DX" for others).

**Freqs:** Suggested frequencies: CW-3545, 7045, 14045, 21045, 28045; Phone-3850, 7225, 14250, 21300, 28450.

**Scoring:** One point per phone QSO, two points per CW QSO. Count multipliers once per mode. Multipliers are MI counties for all entries, plus states & provinces for MI entries only. Final score is total QSO points times total multipliers.

**Log Submittal:** Mail logs no later than 30 days after the contest to:

Mad River Radio Club, c/o Dave Pruett, 2727 Harris Road, Ypsilanti, MI 48198 or via e-mail to [MQP@contesting.com](mailto:MQP@contesting.com).

**More Information:** For full rules, along with free logging software, log and summary sheets, see <http://www.mrrc.net/mqp> Information packet may also be emailed. Contact [NU8Zcqnu8z@attbi.com](mailto:NU8Zcqnu8z@attbi.com)

73 es cu April 20... Mark NU8Z

### Science Olympiad 2002

Science Olympiad 2002 is scheduled for Saturday, April 27. The Olympiad brings high school students from around the state to compete in science-related events. Activities are held in about six locations on the MSU campus.

Organizers have asked the ham community for communications support for this event

Public service events of this type are good practice in directed net operating, handling informal messages, testing your equipment,

again this year. The main communications needs are in locating the rally point for each school group, and helping organizers locate missing supplies or staff. I'll be NCS; I will need 6-7 operators. We're asked to be on duty from 7:30 AM to noon. We will use the MSU repeater, 440.500, PL 77.0 Hz. Coverage of this repeater is much better this year than it was a year ago, though we've etc. If you're able to participate, please contact me by:

e-mail ([drb@msu.edu](mailto:drb@msu.edu))

### Oh Where Oh Where Did My Scope Go!

Once again the deadline for dues is here. Folks who have not renewed by March 1<sup>st</sup> will be ineligible to receive The Scope until after there dues are paid. Please use the membership form on the back page of the newsletter for renewal and keep newsletter coming to your door. Thanks, John Hayes

not had problems in the past.

I've organized communications support for this group the last two years. Ham participants seem to enjoy working this event; the favorite activity is the launch field for the air/water powered rockets built out of pop bottles.

phone (337-0857).  
Dennis Boone, WB8ZQZ

**Ruminations**  
**Mike Rhew – KC8DBP**

Thanks to Gregg Mulder – WB8LZG, Dennis Boone – KB8ZQZ, and others for a fine Amateur Radio class this year. We have already had new licenses earned as a result of the class

Wayne – AB8MI has resigned from the board of CMARC, and as Secretary. I regret that he found it necessary to do so, since he did such a fine job as secretary. This requires me to make an appointment to the CMARC Board, as a replacement, until the next election at the end of this year. The position of Secretary is very important to the proper operation of the club. I need someone to volunteer for this position, as I do not want to appoint anyone unwilling to serve. Wayne also served as Cards & Flowers contact, CMARC Public Information Officer, and W8MAA QSL & Awards manager. If you are interested in serving in any of these positions, please contact me.

John – KC8RQV, is HamFair Chairman. We have selected the site for the CMARC/LCDRA Ham Swap this year. Thanks to everyone that provided information about possible locations. We really appreciate the help of those who have participated in the work to date. The attendance at Hamfair committee meetings has

been less than hoped for. Please contact John or myself if you can provide assistance.

John – KC8RQV, is Editor and also the printer of the Scope. This is a large task, considering what is required to be accomplished in a short time. Randy – KC8IHV has volunteered to help John with the duplication and mailing preparation of the Scope. Many thanks Randy.

It is time to start planning for this year's Field Day. If you are interested in being one of the Field Day Chairmen, please contact me. We need people for many areas: Antenna setup and takedown, Radio Station setup/takedown, Operator Scheduling, Logging Contacts, Generators and fuel, Food and its Storage/Preparation, Shelter at the site, Publicity, etc. I have had no contacts so far, for any part of the Field Day activities. Last year we had the same situation, and at the last minute one person tried to take on responsibility for everything. I heard many complaints, and not much in the way of thanks. I do not intend for that to happen this year. If no one volunteers to fill Field Day Chairman positions by the May CMARC meeting, I will recommend that we eliminate Field Day as a CMARC

activity, and use of the club call sign during Field Day.

We need to have a volunteer to take over the snack preparation at the CMARC meetings. Candy has been doing double duty to see that we have snacks for the meetings. We also need a volunteer to take over the Door Prize acquisition job. I prefer a door prize instead having a 50/50 split between the winner and the club. I would like to see Ham related items such as ARRL or CQ publications as door prizes. The effort should not be demanding, especially if items are ordered through the mail.

If you are interested in working on hands on projects, such as Antenna construction or Kit building, we may be able to do so at McDonald Middle School in East Lansing. Gregg Mulder – WB8LZG will act as liaison with the school to get things set up. Contact Gregg if you are interested in working on a project.

I welcome your comments and suggestions as we work together to make CMARC an even better organization. You may contact me at [kc8dbp@arrl.net](mailto:kc8dbp@arrl.net), or telephone 989-725-1853 (long distance for most of you).

73 de KC8DBP

**Central Michigan Amateur Radio Club**  
**Minutes of the Board Meeting (March 1, 2002)**

The meeting was brought to order my club president Mike Rhew (KC8DBP) at 7:05 pm.

The following board members were present for the meeting:

Michael Rhew (KC8DBP) – President  
Ken Faiver (W8HNI) – Vice-President  
Candace Coburn (KC8QZF) – Treasurer  
Wayne Atkinson (AB8MI) – Secretary  
Bruce Rainey (KC8ODP) – Director  
Gregg Mulder (WB8LZG) – Director  
Tyler Whitney (KC8NSB) – Under 22 Chairman

The following items were discussed the board meeting:

- The board was made aware of the fact that Wayne Atkinson AB8MI had resigned his position of CMARC Secretary.
- Mike Rhew (KC8DBP) had a discussion about getting caught up on the Scope so that it would be out prior to the monthly meeting dates. In regards to that matter, John Hayes mentioned to the board that he could use some help with the duplication and collation process.
- Ham fair plans and progress were discussed Mike Rhew (KC8DBP) made mention that he would like to see more participation by the board members.
- Mike Rhew (KC8DBP) mentioned that Don Tillitson (WB8NUS) had given him a list of announcements for the general meeting.
- Candace Coburn (KC8QZF) informed the board that \$25.00 had been donated by the club to The March of Dimes in memory of George Wood (K8GHX).
- Bruce Rainey (KC8ODP) mentioned that he would do a short program during the meeting on his new radio.

The meeting was adjourned at 7:25 pm.

### **Central Michigan Amateur Radio Club** **Minutes of the Meeting (March 1, 2002)**

The meeting was brought to order by club president Mike Rhew (KC8DBP) at 7:30 pm. There were 28 members signed in, with 7 visitors.

#### **Visitors**

Our visitors were Abe Kimbal (KC8SXP), Craig Tucker (N9IWN), John Monkman (working on license), Nick Clark (working on license), Pete Strank (KC8TCS), Donna Cote and Dennis Kelly (N8OMT).

#### **Upgrades and New Licenses**

Congratulations to Sandy Tickner (KC8TFQ), the wife of CMARC member Scott Tickner (K8SBT), on her newly acquired Technician Class license. She was one of the students from the MSU class.

#### **Speaker**

This month's speaker Bruce Rainey (KC8ODP) a member of CMARC's board. Bruce brought along his new radio and antenna and gave a talk to the club on the items. The radio was a Yaesu FT-100D and the antenna was the matching Yaesu ATAS-100 screwdriver antenna.

#### **Announcements**

Mike Rhew (KC8DBP) informed the club members that Wayne Atkinson (AB8MI) had resigned as CMARC Secretary. At that time, he also asked if there were any volunteers to fill the position, that they contact him or another board member.

A reminder to all members that Bob (K8RBT) is accepting pictures for the photographic member directory.

Chairman is needed to fill the following positions. Please note that without volunteers some of the things that we take for granted will not happen!!!

- Field Day
- Snacks
- Door prizes

John Hayes (KC8RQV) asked for volunteers to help with the duplication and collation of The Scope.

A reminder was made to all members that although we have a Ham Fair chairman, John (KC8RQV) is still looking for lots of help, as this is a big job. The Ham Fair committee will be meeting March 3<sup>rd</sup> at 4:30pm in the Kropshot room at the Red Cross Building.

The National Weather Service will put on SKYWARN training on 13<sup>th</sup> April 2002 at the Red Cross on Saginaw. The start time is 12:00 pm and will last until 4:00 pm.

Bruce Rainey (KC8ODP) asked for volunteers to act as Net Control on the Tuesday night DTACS net. Mike Rhew (KC8ODP) presented a list of upcoming events that Don Tillitson (WB8NUS) will be needing volunteers for.

- Walk America on 04/27/02
- Science Olympiad 04/27/02 (contact is Dennis Boone KB8ZQZ)
- MS Walk 05/05/02
- Bike-A-Thon 07/13/02 and 07/14/02
- Women on Wheels 07/20/02

Wayne Atkinson informed club members that Clint Hannahs (KC8EHR), the Ingham County EC, was looking for volunteers for the upcoming Tri-County SET (Simulated Emergency Test) scheduled for March 13, 2002. We need as many hams as possible to participate as this event is monitored by many non-hams. If you cannot directly participate, you are asked to try to check in during the event.

Members were reminded that the nominations for the Ziegenbein award must be in to Julie McLain (KB8ZXR) no later than March 15<sup>th</sup>, 2002.

### **DX Report**

This solar cycle is still providing great contacts on all bands of late, especially ten meters.

### **Old Business**

A copy of last months (02/01/02) Treasurer's Report was read into the record by Candace Coburn (KC8QZF) as the Scope was not available in time for the meeting. A motion to accept was tabled by Bruce Rainey (KC8ODP) and seconded by Randy Stortz (KC8IHV). Motion was passed by the membership.

A copy of last months (02/01/02) Board and Regular Meeting minutes were read into the record by Candace Coburn (KC8QZF) as the Scope was not available in time for the meeting. A motion to accept was tabled by Scott Tickner (K8SBT) and seconded by Don Tillitson (WB8NUS). Motion was passed by the membership.

Tyler Whitney (KC8NSB), the Under 22 Chairman, mentioned that his school club had worked on building a number of J-Pole antennas with assistance from their Elmer, Gregg Mulder (WB8LZG).

Ken Faiver (W8HNI) mentioned that at the May meeting we would be having a member "show and tell" for the program.

### **New Business**

There was no new business to be discussed.

A motion to adjourn the meeting was tabled by Bernie Gaffney (N8PVZ) and seconded by Troy Creed (W8TCC). The motion passed and the meeting was adjourned at 9:13 pm.

## **Notice Of LCDRA Quarterly Meeting**

The **Lansing Civil Defense Repeater Association** will host its quarterly meeting on the third Thursday of this month (April 18<sup>th</sup>) at 7:00PM. The location is Fire Station Number 8 located on East Grandriver Avenue near the Red Cross building.

### **Editorial Commentary**

In this months Scope the local events calendar and the contest listing were dropped due to time constraints.

ANYBODY is more than welcome to contribute to the Scope! In particular, I could use a little help with a few items. I believe they are things folks would like to see in the newsletter. I am seeking a

monthly commitment for preparation of the following:

- a monthly ham fair calendar
- a monthly VE testing calendar
- a monthly events calendar
- a monthly local net column
- a monthly HF net column
- a monthly contest calendar

Each one of these would take no more than 1

hour a month to maintain at most, but it would really help me out to have these things passed my way in a from that I could integrate into the newsletter. I ran them last month and they are running this month.

If you noticed that a few things in this months newsletter were also in last months newsletter, that is because there were critical pieces missing in these items or they warranted extra coverage due to their nature.

## MAKE YOUR C.M.A.R.C. MEETINGS MORE INTERESTING

— Ken Faiver W8HNI —

Here are three ways you can help spark the interest factor in our C.M.A.R.C. meetings. Frankly, as your Program Chairman, I am running out of ideas for vital, timely, and stimulating topics. We have had some good programs covering the gamut of weather, emergency net procedures, emergency coordination, emergency activity, home-built projects, logging and QSLs, refurbishing old radio gear, Civil Air Patrol, etc. And, if you attend the April meeting, you will hear another electrifying presentation by Bernie Gaffney N8PVZ on the use of solar power in ham radio applications.

### Three things YOU can do:

1. Bring to me (or to Prez Mike KC8DBP) your suggestions for future program topics. You may wish to make a presentation yourself, or perhaps you know of some one who would.
2. Our May program will be "Ham Show 'n' Tell" Here's how it works. You are invited to bring something to show and tell the members about. It can be

- Something you build (recently or even a long time ago)
- A piece of new or interesting equipment you recently acquired
- A piece of antique radio gear that you have at home
- Something related to ham radio that you did or learned about.

If 5 to 10 people each made a brief presentation (length depending on the topic, their comfort level, and group interest) – we could easily fill the allotted time for the program. If this is successful, we hope to repeat the event every few months. Or, should you ever have a burning desire to tell us about something new, there is usually time for a spontaneous Ham Show 'n' Tell. Just let us know at the start of the meeting.

You don't have to be a "polished public speaker." If you built it, acquired it, or use it, you don't need to write a speech to be able to get up and show it off. You are already an expert on the subject.

3. Ask a Ham Question. If you will tell me your question at one meeting, I will do my best to get you an answer at the next. Any question related to our hobby is OK. Technical, legal, historical, whatever. Ask how, why, when, who, what. Don't hesitate to ask. There are no "dumb" questions. And there is probably someone in our group who has the answer, or who would welcome the chance to look it up and share the findings.

We will seek volunteers to answer the questions. I am sure we will all learn something – or maybe re-learn what we've forgotten.

There will be a labeled container on the front table during the next few meetings. Drop your question in the box. Before the end of each meeting, I'll read the questions and ask for volunteers to provide an answer at the following meeting.

Let's give it a try. It could be very interesting and informative. Above all, it means membership involvement and participation. And it should be enjoyable for all.

### FM Evolution by Dan Harger, W8BCI

Several things transpired while we were building equipment and converting used equipment to work on the FM channels.

One of the events that really got our attention was an event that you wouldn't really believe was possible. It was connected with a group of the fellas that included Vic Jackson, W8BLT now W9NDM, Ed Grable and Greg Hiscock. Vic & Greg were working at the tie for Troop Electronics out of Jackson, Michigan with Dick Hoover.

The manager at Troop at the time was Fred Benke, a tall lanky guy who was not a ham. It happened innocently enough over lunch January of 1969. The guys got into a discussion over one of the local bathtub regattas that were held locally, one of them at least was at MSU. Vic said off-handedly, I bet you could make it across Lake Michigan in one of those if you did it right.: Fred got into it and the end result was a \$5.00 bet that Vic couldn't do it.

Vic said at the time he promptly forgot it until someone from the State Journal in Lansing got wind of the bet and put a little blurb in the Journal about the wager.

The Mayor at the time was Jerry Graves and Mayor Graves was very keen on Civil Defense along with Jim Holcomb and he had Vic come to his office as a stunt so he could "refuse" to go on the sojourn across Lake Michigan. Vic got a kick out of the interview and really wasn't expecting a whole lot more to come of the idea, still. Not until he went home that night and at four or five AM the phone at Vic's home rang and it was a newspaper reporter in Los Angeles that picked up from the national news services. Then the phone wouldn't quit ringing and Vic had to leave it off the hook to get some shuteye!

So he was committed and still didn't know what to do next until a friend of his, Roger Simmer showed up with a bathtub to get him off and running (er' off and swimming).

The Lansing State Journal's article was entitled "Rub A Dub Dub, Mayor Refuses Ride In a Tub".

A marine sales business in Lansing at the time was Forgars Boat City owned by Gordon & Polly donated an outboard motor and Vic got busy making a bathtub floatable and steerable.

He installed a Motrac that was loaned to him from Don Hewson, who worked at the East Lansing PD at the time. This was on .94 simplex and had all solid-state construction except for the driver and final which were tubes.

Vic made this bathtub into a ship that was very ingenious to say the least. Vic spent his life growing up on the west side of Michigan around Ludington. So the town of Ludington played a big part in helping him to launch the vehicle.

Several attempts were made to begin the crossing. By watching weather newscasts,

but Vic finally found that it was the skippers of the ferries who knew which days would be the best to cross. So it was middle to late summer before he was able to Make the Attempt.

I was caccationing at Silver Lake the week the weather became cooperative. Driving

along the shore to pick up some supplies for the cottage, monitoring .94, there was W8BLT marine mobile in the middle of Lake Michigan complaining about hoardes of flies! And i talked to him until the rig in the Michigan Marine Bathtub battery almost died and could cost him the trip. Vic quit

talking and eventual showed up on the other side to a hero's welcome in Wisconsin.

I forgot to ask Vic what ever happened to the craft that got him across the lake. But he did tell me that Fred Benke didn't pay opff until years later, but he did pay!  
(Next month: chronicles of the 146.70 Mhz!)

## Ham Fair 2002

by John Hayes

On Sunday March 24<sup>th</sup> e 4<sup>th</sup> ham fair meeting was held at 4:30 at the Red Cross building on East Grand River avenue. It was determined that we would not be doing any food preparation at the ham fair. Beyond that we discussed some promotional tactics and began to refine financial predictions for ham fair associated costs.

The next Ham fair will be held at the Red Cross building on Sunday April 7 at 4:30 in the Kropschotz room. All are welcome to attend. In endance at the last meeting were:

Mike Rhew  
John Hayes  
Don Tillitson

Mary Lou Tillitson  
Greg Mulder

In future meetings we will begin determining tasks and time commitment requirements to continue the organization and event day phases of the fair.

## Volunteering For A Good Cause

Hello,

Anyone got a soldering iron they want to heat up? The Civil Air Patrol could use a hand builing some APRS equipment they use during missions to track aircraft and ground search vehicles. If you are someone who has the skillsand the time to help out, let me know or contact Bill Chesney (also a ham) at the number/email below. The CAP gets next to no funding for stuff like this so its all volunteer work. Your work might help these people save lives! Here's your chance to contribute to Homeland Defense. Please pass this on to anyone you know who might be able to help out.

73, Larry – KC8RVI

We have received the last part we need to start building the APRS trackers we need. These devices, when deployed will give us real time tracking or all aircraft and or vehicles involved in a mission. This will be a tremendous Asset to Comm and the whole wing. The most important piece of the 3 pieces that make up a tracker is a kit. It is a specialized TNC (terminal Node Controller) called a PIC-E. It is a single circuit board about 3 by 4 inches. We need experienced kit builders and or electronic hobbyists to help build these so we can be ready for SAR/EVAL in May. My plan is to have all ready by then. I would like to have some ready for Sparta as a trial run. I also need computer experts to set up the software and network to share the data at Mission Base.

They employ Street Atlas program and a specialized interface software called APRS+SA. It overlays the APRS spots received onto the map screen. There is another program to make it share data over the network. This will take some work to get it working.

If interested in helping in any capacity please contact me by replying to this E-mail ASAP. Time is getting short and we gotta get on this now.

Thanks for your help.

Bill Chesney,  
MIWG DC  
810-468-8345

[william01@comcast.net](mailto:william01@comcast.net)

## Recent Silent Keys

Dear Friends; It is with a sad heart that I tell you of the passing of my wife, Julie M. Dible. Julie passed away tonight, 3/19/02 at 9:20 PM at E.W. Sparrow hospital's intensive care unit. She passed away feeling no discomfort and got her wish to just "to go to sleep and never wake up"and she got her wish surrounded by her friends and family. We are saddened by our loss but are happy that she now feels no pain and is in the loving arms of our GOD.

A memorial is being set up through the

funeral home for "Julie's Project" to help purchase a handicapped (wheelchair) equipped van for the Ingham County Cancer Society so they can provide those who are wheelchair bound a means to get to doctor appointments and Radiation therapy sessions. Julie so wished these people had had a van that she could have used to get to her appointments. As it is now, the Ingham County Cancer Society will pick you up and get you to and from your appointments, only IF you can use a walker to get to the van and in and out of your appointment... So

now there will be a properly equipped van to do the same thing.

Thanks again for all your support, Prayers and condolences... We are overwhelmed by your kindness !!

Bless you all  
Sincerely,  
Steve, Clifford & Anson Dible

The funeral was held at the First United Methodist Church in Grand Ledge

## Special Notes

The March treasurer's report does not appear in this months scope as it was published in the March scope

Next month plans to build a complete multi-band J-Pole will be provided, compliments of Dan Harger.

Volunteer to be on the Elmer's list and share your expertise!

## Summer Fun And Communications Support Calendar Provided by Don Tillitson

Date	Event
4/27/02	Walk America March March of Dimes; from Oldsmobile Park at 7:30 with 10 to help
4/27/02	Science Olympiad at MSU; call Dennis Boone to help with UHF 440.500 PL 77Hz
5/5/02	MS Walk; Starts at East Lansing High School at 7:30 AM with 10 to help
7/13/02 – 7/14/02	MS Bike Tour with 6 to help Saturday 13 <sup>th</sup> from 8:00AM at 3:00PM Sunday 14 <sup>th</sup> from 7:00AM – 1:00PM At Brody Hall
7/20/02	Women On Wheels Mason High School From 7:30AM – 3:00PM with 6 – 8 to help

Note: to help call Don at 321-2004 or WB8NUS on the 146.700 repeater

### Regional Skywarn Training Dates & Locations

Date	Time	Event	Location	Contact
4/9/02	7-9 PM	Eaton County Skywarn Training	Basement of Sheriff's Department Charlotte, MI	Steve Jackson (517)543-3512 ext 393
4/13/02	Noon – 2 PM	Ingham County Skywarn Training	Red Cross Building on Grand River Lansing, MI	James Kenyon (517)646-0558

### March 2002 Birthdays – Happy Birthday!

### March 2002 Anniversaries

Date	Name	Call	Years Young	Date	Name	Call	Years Young	Date	Name	Call Sign	Years
2	Ben Barker	WD8OVL	61	9	Jim Erv Bates	W8ERV	37	6	Brent Williams & Wife	WB8TRL	
3	David Maier	W1BAT	75	9	Marilyn Humphreys	N8DEH	73	12	Paul Keefer & Wife	KB8YQZ	15
4	Beverly Blakeslee		66	9	Mark Mowry	AA8TC	45				
7	Kenneth Kruger	W8AAX	76	12	Michael Hagen	KC8LLY	29				
8	Troy Creed	W8TCC	54								

A special belated birthday wish to Bruce Rainey, whom we forgot to mention last month! I hope it was great Bruce!

\*Note Ages are updated and anniversaries are updated for 2002

### Local And Area VE Testing Schedule For 2002

Location	Schedule	Time	Site	Contact	Talk-In
<b>Lansing</b>	Jan 12, Mar 9, May 11 Jul 13, Sep 14, Nov 9	09:30 AM	Lansing American Red Cross; the Kopschot Room 1800 E. Grand River	Joe Denomme N8VYS (517)589-5263	145.390 + dup PL 100Hz
<b>Corunna</b>	12/27/01	06:30 PM		<a href="mailto:aa8tc@arrl.net">aa8tc@arrl.net</a> <a href="http://www.qsl.net/aa8tc">http://www.qsl.net/aa8tc</a>	147.020 + dup
<b>Howell</b>	On the 2 <sup>nd</sup> Tuesday of the odd months	07:00 PM	Emergency Operations Ctr.; Highlander Way	Greg Mcdiarmid AA5GO (517)548-5893	146.680 –dup PL 100Hz
<b>Grand Rapids</b>	On the 1 <sup>st</sup> Friday of the month	06:30 PM	Red Cross; 1050 E. Fuller Ave., NE	ED N8UXN (616)458-9029	146.760 –dup PL 94.8
<b>Charlotte</b>	On the second Saturday of the even months	12:00 Noon	Eaton County Sherrif Dept.	x95korroch@wmich.edu	147.080 +dup
<b>Mt. Clemens</b>	On the 1 <sup>st</sup> and 3 <sup>rd</sup> Saturdays of the month	07:00 PM	Salvation Army	Bill Chesney (810)468-8345	147.180 +dup
<b>Jackson</b>	On the 3 <sup>rd</sup> Saturday of most months	10:00 AM	Jackson District Library; 244 W. Michigan	Dick McGuire (517)782-1430	146.880 –dup PL 100Hz

March 2002 Birthdays – Happy Birthday!							March 2002 Anniversaries				
Date	Name	Call	Years Young	Date	Name	Call	Years Young	Date	Name	Call Sign	Years
2	Ben Barker	WD8OVL	61	9	Jim Erv Bates	W8ERV	37	6	Brent Williams & Wife	WB8TRL	
3	David Maier	W1BAT	75	9	Marilyn Humphreys	N8DEH	73	12	Paul Keefer & Wife	KB8YQZ	15
4	Beverly Blakeslee		66	9	Mark Mowry	AA8TC	45				
7	Kenneth Kruger	W8AAX	76	12	Michael Hagen	KC8LLY	29				
8	Troy Creed	W8TCC	54								

A special belated birthday wish to Bruce Rainey, whom we forgot to mention last month! I hope it was great Bruce!

\*Note Ages are updated and anniversaries are updated for 2002

CMARC/LCDRA Elmers			
Specialty	Name and Call	Phone	E-mail
Packete Radio, PSK31, DX	Bill Blick W8EB	(517)675-5858	w8eb@arrl.net
CW, QRP, DX	Ralph Riggs N8YQJ	(517)641-4384	
Home Brew, QRP	Gregg Mulder WB8LZG	(517)646-6257	margo937@cs.com
6 Meters	Dan Hicks W8MMQ		<a href="mailto:w8mmq@email.com">w8mmq@email.com</a>
HF Contesting	Steven Rentschler N8SR	(517)332-0237	
Drafting Volunteers	John Hayes KC8RQV	(517)393-2787	jhh@envirobat.org

April Ham Fair Calendar		
Date	Event And Location	Contact
4/6/02	Hamfest/Computer/Electronics Show Elizabethtown, KY	Laura Lonczak, 216-663-3258, <a href="mailto:ln4js@visn.net">ln4js@visn.net</a>
4/20/02	Jackson County ARC Coalton, OH	Edgar Dempsey KD8XL, 740-286-3239 <a href="mailto:kd8xl@ohiohills.com">kd8xl@ohiohills.com</a>
4/28/02	Athens County ARA Athens, OH	Drew McDaniel W8MHV, 740-592-2106 <a href="mailto:mcdanied@ohiou.edu">mcdanied@ohiou.edu</a>

\* NOTE: All information can be found on <http://www.arrl.org>

Weekly Local Area FM Information Nets					Assorted Information And Traffic SSB Nets				
Name	Freq.	Day	Time	PL	Name	Band	Approx Freq	Days	Time
Mid Michigan Info	145.390	Sun	08:30	100	Intercon	20	14.300	Su – St	07:00–12:00 EST
QCWA	146.7	Tue	20:30	100	Maritime Mobile	20	14.300	Su – St	12:00–22:00 EST
ARPSC – Simplex	146.58	Mon	19:30		GLETN	75	3.932	Su –St?	20:30 EST
DTACS	146.940	Tue	21:00	100	SWOTM	2	144.155	S	21:00 EST
6 Meter – Simplex	52.530	Sun	20:00		E. Mich. SSB	2	144.250	M	20:00 EST
	147.28				PLC	40	7.262	Su – St	10:00 EST
ECARC	147.08	Sun	20:00	103.5	BBC	75	3.973	Su–St	3:00 EST
	443.63			103.5	Breakfast Club	75	3.973	Su – St	5:00 EST
QCWA	146.7	Tue	20:00	100					
CCARA	146.86	Thu	20:00						
	444.85			141.3					
	146.48			Simplex					

\*If there are others that should be listed here let me know!

Day Codes: Su – Sunday, M – Monday, Tu – Tuesday, W – Wednesday, Th – Thursday, F – Friday, St – Saturday



## Ham Radio Propagation Web Sites

Real Time	<a href="http://www.hamradio-online.com/">http://www.hamradio-online.com/</a>	Software	<a href="http://www.dxzone.com/catalog/Software/Propagation/">http://www.dxzone.com/catalog/Software/Propagation/</a>
Forecasts	<a href="http://www.eham.net/DX/propagation">http://www.eham.net/DX/propagation</a>	Grayline	<a href="http://www.iri.tudelft.nl/~geurink/grayline.htm">http://www.iri.tudelft.nl/~geurink/grayline.htm</a>
Forecasts	<a href="http://dx.qsl.net/propagation/propagation.html">http://dx.qsl.net/propagation/propagation.html</a>	Information	<a href="http://www.ardfnl.demon.nl/hamprop.htm">http://www.ardfnl.demon.nl/hamprop.htm</a>
Forecasts	<a href="http://www.hfradio.org/propagation.html">http://www.hfradio.org/propagation.html</a>	Listservers	<a href="http://users.hunterlink.net.au/westlakes/pageae.htm">http://users.hunterlink.net.au/westlakes/pageae.htm</a>

Product: 27-day Outlook outlook.txt  
Issued: 2002 Mar 05 2211 UT

Prepared by the U.S. Dept. of Commerce,  
NOAA, Space Environment Center  
For a descriptive text, write to SEC or refer to our Web page.  
Web page URL: <http://www.sec.noaa.gov/wwire.html>

Twenty-seven Day Space Weather Outlook Table Issued:  
Issued 2002 Mar 05

UT Date	Radio Flux 10.7 cm	Planetary A Index	Largest Kp Index	UT Date	Radio Flux 10.7 cm	Planetary A Index	Largest Kp Index
2002 Mar 27	170	10	3	2002 Apr 10	180	5	2
2002 Mar 28	170	10	3	2002 Apr 11	180	5	2
2002 Mar 29	165	10	3	2002 Apr 12	180	5	2
2002 Mar 30	165	7	2	2002 Apr 13	180	5	2
2002 Mar 31	165	10	3	2002 Apr 14	180	5	2
2002 Apr 01	165	10	3	2002 Apr 15	180	8	3
2002 Apr 02	170	15	3	2002 Apr 16	180	10	3
2002 Apr 03	175	15	3	2002 Apr 17	180	10	3
2002 Apr 04	180	10	3	2002 Apr 18	175	10	3
2002 Apr 05	180	10	3	2002 Apr 19	170	8	3
2002 Apr 06	180	8	3	2002 Apr 20	170	5	2
2002 Apr 07	180	8	3	2002 Apr 21	170	5	2
2002 Apr 08	180	7	2	2002 Apr 22	170	5	2
2002 Apr 09	180	5	2				

### The 2002 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

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**Meeting: 1<sup>st</sup> Friday of every month at the Red Cross, Lansing Chapter, 1800 E. Grand River (upstairs) at 7:30 PM**

**Club Calls: W8MMA & W8PLP**

**LCDRA Call: WB8CQM**

**Meetings: Quarterly on the 3<sup>rd</sup> Thursday at 7:30 PM at Lansing Fire Dept., Station #8, on Marshall St. at Grand River, just west of the Red Cross.**

**For continued membership annual dues must be paid by March 1<sup>st</sup>. Fill in the membership form on the back of *The Scope* and mail it in with a check for the appropriate amount. Make check payable to C.M.A.R.C for CMARC membership. Make checks payable to L.C.D.R.A for LCDRA membership.**

Newsletter Deadlines -->	Deadline	Event
	410/02	Hard copies, scannable submissions
	415/02	Computer editable submissions
	Inform as soon as possible	Event schedules, notices, wanted to sell/buy, birthdays, anniversaries, obituaries