

W8LAP/r
 146.620 - 100Hz
 442.750 + 123Hz
www.w8lap.com

Waveguide

Lapeer County Amateur Radio Association

November

Published Monthly by the Lapeer County Amateur Radio Association

2009

*The next regular meeting will be held on
 Tuesday, November 10 — 7:30 p.m.
 at the Lapeer County Central Dispatch Center (911)
 2332 W. Genesee Street in the basement.*

The Pres Sez:

Well the election on October 13th saw a new club president get elected. I am not sure how long we have been members of the club, 10 years at least, but I figured it was my turn to do a little more. It seems that one of the first things we should tackle is increasing our club membership as was mentioned at the last meeting. Currently the roster is at approximately 30 members and increasing our membership would alleviate much of the burden of operation CARE during the summer months. Also, the Monday night NET has been a little thin as of late and we should strive to participate. It is nice to hear from the other members of the club more than once a month.

Also, I would like to hear ideas from all of you for club meeting programs. An example may be a club member sharing an antenna project and what they learned. So please bring your ideas and hopefully we can have a few presentations in the new year to help increase club meeting attendance. I'm sure we all have knowledge of an area of the hobby that we could share with the other members.

I am looking forward to seeing all of you at the next club meeting on November 10th and hopefully at the Christmas party as well.

Kevin Boxey
 KB8TAR

The Vice Pres Sez:

It's that time a year again to think about our annual Christmas Club Party. This year it was decided to change the location. The Lapeer Center Building was selected. Please contact Chris Azelton, KC8TWL to sign up. We need to be able to give a head count to be able to make sure there is enough food. The dinner will be free for you and one guest with a paid membership. Make sure to get you dues in. See Bill Miller KD8VP.

W8LAP Christmas Party 2009

Date: 12/08/09 6pm-9pm.

Dinner at 6:30pm.

Location: Lapeer Center Building. (Same place as the Swap)
 425 County Center St.
 Lapeer, Mi. 48446

RSVP To: Chris Azelton

By Radio: KC8TWL

Home: 810-245-0073

E-mail: azelton_cya@sbcglobal.net

The Past Prez Sez:

There were 4 candidates and 3 passed, 2 new generals and 1 technician at the swap n shop. The swap was very well attended, maybe not a lot of money was spent. The next test is 10-31 only if someone calls, no call no test!

The Treas Sez:

Hello to everyone. The October report is pretty slim. As it should be when the system is working right. We had income from 2010 Dues and the usual donations at the club meeting. We paid out for the electric and the phone, and a small amount for repeater shack repairs, and that's about it.

I need to take this time to remind everyone that the

The Trustee Sez:

Greetings to everyone. How are you doing this fall? Are you getting all your antenna work completed ahead of schedule? Or are you waiting for those snow flakes that make antenna's work so much more fun?

I have to confess that I am behind schedule myself.

But I have been working on getting the new door fitted to the repeater shack. I purchased some hardware for installation, and have installed it on the door. It only remains to be hauled out to the shack and installed. Once

The Secy Sez:

The meeting was called to order at 7:30 by Chris, kc8twl with the Pledge of Allegiance to the flag and introduction of members and guest.

Minutes was read by Flo, kc8cab. Accepted by Tom, kd8eoa and seconded by Bob w8rae.

Treasurers report was given by Bill, kd8vp. Operation Care was very good. Accepted by Dave, kd8dlw and seconded by Hank, k8dd.

Trustees report was given by Bill, kd8vp. The repeater is working just fine. I switched over from cooling to heating at the repeater. A new door is still needed on the repeater shack.

New Business: Bill will be checking with Treasa, kc8pez's husband who is lawyer on Michigan State Non Profit Corporation Status. Bill want to find out if we should keep it.

The EC Sez:

The new ARES/RACES id's will be coming out soon. If you are qualified for either one or both and have a passport size photo that you would like to use please bring it (two if for both ARES and RACES) to our next club meeting on November 10th. Also I've been told that I neglected to let everyone know that our new AEC is Kevin Boxey (kb8tar). He is fully qualified for this position and has volunteered his assistance to the Emergency

I haven't had anything to say. I tried to get a new prez by not coming to the last meeting. I hear that didn't work. *(Ah, but it did work! -editor)*

I wondered how we could get more members and Operation CARE earned 9 members, thanks! See you at the meeting Bob, N8NE

Christmas party coming up in December is to paid up members of the club only. So if you have any ideas of attending the lavish 21 course meal, you better pay your 2010 dues.

That's all for now see you at the club meeting November 10, 2009.

Respectfully, Bill Miller KD8VP Treasurer

some schedules have been met and some arrangements made with some helpers we will have it installed.

The repeaters are working just fine, and are suffering from lack of use. I only wish that I could find a way to encourage the 146.580 simplex group to use the repeater rather than simples. Then there would at least be some daily activity. Oh well, that's life.

Enough

Bill Miller KD8VP repeater trustee

Old Business: This years Christmas Party will probably be at The Lapeer Center Building, where we have the swap. It will be on December 8th. Meeting at 6:00 p.m. with dinner at 6:30 p.m.. The party will end at 9:00 p.m.. It will be confirmed at the next meeting. Motion to accept by Bill, kd8vp and seconded by Hank, k8dd.

Break was from 8 to 8:18.

The election was held.

President: Kevin, kb8tar

Vice President: Chris, kc8tar

Secretary: Flo, kc8cab

Treasurer: Bill, kd8vp.

The Christmas gifts will stay the same as last year.

50/50 was won by Tonya, Rob, n8psp wife.

Meeting was closed at 8:37.

response portion of our club (along with being one of Doug's assistants on the county CERT team). He (Kevin) seems to have some new ideas to help us all out and these will be voiced at our next meeting. Welcome Kevin, your help will be greatly appreciated (at least by myself).

--

KD8EBY@arrl.net

E.C. Lapeer County, Mi. ARES/RACES/Skywarn

Be Radio-Active Participate

From the Mailbag:

Give Your Generator Some Space

By Dan Romanchik, KB6NU

The National Institute of Standards and Technology (NIST), the same folks that bring you WWV, publish a monthly newsletter called NIST Tech Beat. Here's an item from the 10/6/09 issue of NIST Tech Beat that will be of interest to radio amateurs:

To subdue the steaming heat of hurricanes or to thaw out during a blizzard, gasoline-powered, portable generators are a lifeline during weather emergencies when homes are cut off without electricity. But these generators emit poisonous carbon monoxide—a single generator can produce a hundred times more of the colorless, odorless gas than a modern car's exhaust. New research from the National Institute of Standards and Technology (NIST) shows that to prevent potentially dangerous levels of carbon monoxide, users may need to keep generators farther from the house than previously believed—perhaps as much as 25 feet.

Up to half of the incidents of non-fatal carbon monoxide (CO) poisoning reported in the 2004 and 2005 hurricane seasons involved generators run within 7 feet of the home, according to the U.S. Centers for Disease Control and Prevention (CDC).

Carbon monoxide can enter a house through a number of airflow paths, such as a door or window left open to accommodate the extension cord that brings power from the generator into the house. While some guidance recommends 10 feet from open windows as a safe operating distance, NIST researcher Steven Emmerich says the "safe" operating distance depends on the house, the weather conditions and the unit. A generator's carbon monoxide output is usually higher than an automobile's, he says, because most generators do not have the sophisticated emission controls that cars do.

"People need to be aware that generators are potentially deadly and they need to educate themselves on proper use," Emmerich says. With funding from CDC, NIST researchers are gathering reliable data to support future CDC guidance.

NIST building researchers simulated multiple scenarios of a portable generator operating outside of a one-story house, using both a test structure and two different computer models—the NIST-developed CONTAM indoor air quality model and a computational fluid dynamics model.

The simulations included factors that could be controlled by humans, such as generator location, exhaust direction and window-opening size, and environmental factors such as wind, temperature and house dimensions. In the simulations the generator was placed at various distances from the house and tested under different weather conditions.

"We found that for the house modeled in this study," researcher Leon Wang says, "a generator position 15 feet away from open windows was not far enough to prevent carbon monoxide entry into the house."

Winds perpendicular to the open window resulted in more carbon monoxide entry than winds at an angle, and lower wind speeds generally allowed more carbon monoxide in the house. "Slow, stagnant wind seems to be the worst case because it leads to the carbon monoxide lingering by the windows," Wang explains. Researchers determined that placing the generator outside of the airflow recirculation regions near the open windows reduced carbon monoxide entry.

In the next phase of the study NIST will model a two-story house that researchers believe will interact with the wind differently. NIST researchers also have worked with the Consumer Product Safety Commission on related work. (See: "NIST to Study Hazards of Portable Gasoline-Powered Generators," NIST Tech Beat, March 5, 2008.)

The generator study can be downloaded at <http://fire.nist.gov/bfrlpubs/build09/PDF/b09009.pdf>.

* L. Wang and S.J. Emmerich. Modeling the Effects of Outdoor Gasoline Powered Generator Use on Indoor Carbon Monoxide Exposures. (NIST Technical Note 1637,) 2009.

QRP Contesting "Tips & Techniques"

I may not have anything new in contesting but it wouldn't hurt to review on these points. Anyone with more to add, PLEASE DO, and we'll add your input to the review.

ANTENNAS, ANTENNAS and ANTENNAS. Many would agree that antennas are the first three thing to improve our results in contesting for any kind, whether Sprint or Contest.

Sample of the above:

QRP Afield '96 was won easily by AC5AM, Bob Stolzle. Having been in the contest, we wondered how it could be that this guy was S9 the whole contest, and always there sending 950 MW power. Now we know. The complete story was published in the "72" of Jan. '97. Again, antennas. He found the highest point in the area which just happened to have an old, unused broadcast radio tower. He raised two full wave delta loops (20 and 40 meters) and inverted vee's (20/40 mtrs) at the 100' level. A coax switch is used to choose the best antenna for the incoming signals.

The 100' level probably made the difference, being a strong signal from a QRPP station. His point too is that resonant antennas do much better than those with tuners. The idea was to call CQ on the loop. If no answer, call CQ on the Vee, and so on. If answered on a weak signal, switch to the other one if received better.

Now on to the rest of the real QRP World. Not many are going to find a unused 100+ foot tower to raise these types of antennas. Given that for the Contest type of event, the next thing would be the Op.

For the Op, the biggest thing would be the amount of operation time he is having fun with. Very few put in the 24 hours for the QRP ARCI Spring and Fall contests. The ones in the "TOP TEN" list reached that level according to the hours spent, assuming they are more than average stations. How do they do that? First one have to have the desire. It becomes less desirable at the 15 hour level unless you had plenty of sleep before the contest. To stay there, you have to have the necessary operator comforts. You know what they are for you. Things like a comfortable chair and headphones will take you further.

The first thing that took me to longer operating duration was the memory keyer. With this you can be relaxed much longer and your fist won't give out.

In recent years, computer logging will go even further. I use "NA" for the QRCI contests. When calling CQ, you can set a repeat every few seconds. All you need do is listen. If a station is answering, press the "ESC" key to stop the repeats, and enter his callsign. Press the "INSERT" key, and the station is answered and your info is sent. (You can input an RST if you wish). Enter his info and press the "=" key and you have sent an OK and a QRZ. That is it. (Except the log that is printed at the end.) Given that, you could be there a much longer time.

What else for the operator? **Practice, practice, and practice!** The more you do the better you get.

There are some excellent links to more contest tips. I would recommend the K3WWP link first. If you have been in contesting, chances are you worked John. He is using a homebrew QRP tube transmitter with an indoor antenna. If you don't have the antenna like AC5AM had, you can relate to K3WWP. Look for his tips at: http://home.alltel.net/johnshan/contest_ss_tips.html

After that, you may want to check the tips from the top testers. Check them out at: <http://www.contesting.com> This is not QRP but many of the suggestions will help us all in contesting. This covers the pre-contesting, equipment, operating, and post-contesting. Most tips assume that you are running a KW, beams and contest software.

Anyone have more QRP contesting tips? I'm sure all would like to hear about them and we'll add any that can help us along.

CU in the next 'test!

72/73,
Ken Newman, N2CQ
Woodbury, NJ
n2cq@arrl.net

For Sale For Sale For Sale For Sale:

For Sale

Yaesu FT-920 \$750
Yaesu Rotor 800 SA \$250.00
Bob W8RAE
Phone 248-628-3401

FOR SALE:

HF isotron Loop antenna for 80-75-40M, \$60.00 or best offer .
Seven (7) slinkies (metal, can be made into an antenna), \$40.00 for all of them.
Also have approximately 130 ft in coax and 100-200 ft of wire to donate to who ever wants them.
Contact Richard 810.824.3948

FOR SALE:

Henry 2K HF amplifier, floor model \$800 contact Stan,
AC8W (810) 364-6674

FOR SALE:

Heathkit SB-220 80-10M Amplifier. Contact Don,
WA8OLN, at (810) 367-6331

For Sale

COM port boards, ISA, 2 ports \$3.00 ea
Rigblaster Plus for Digital Communications – new, never used! \$100 obo
From the estate of N8CQA:
Central Electronics 10B \$130
Central Electronics 20A \$130
One VFO's for above \$75 ea
30M two transistor transmitter in a Hershey Cocoa can , with schematic \$15
All offers will be listened to!
Contact Hank K8DD at k8dd@k8dd.com or 810-721-0708

Lapeer County Amateur Radio Association

P.O. Box 12
Hadley, MI 48440-0012

Officers

President, Kevin Boxey KC8TAR 810-793-4986	Vice-Pres., Chris Azelton, KC8TWL..810-245-0073
Secretary, Flo Haack KC8CAB 810-793-2606	Treasurer, Bill Miller, KD8VP.....810-797-5329

Committees & Appointees.

Club Founder.....Hollis Hayes, W8ACD	Club Call TrusteeW8LAP.....Bill Miller, KD8VP
Club Historian.....Charlie Whipp, KC8JBK	VE Coordinator.....Bob Beswetherick, N8NE
Skywarn Coordinator.....Pete Headrick KB8RSG	Swap & Shop Chairperson.....Bill Miller, KD8VP
Field Day Chairman.....Bill Miller, KD8VP	Meeting Refreshments.....Bill Miller, KD8VP
Two Meter Net Mgr.....Charlie Whipp, KC8JBK	Newsletter Editor.....Hank Kohl, K8DD
Public Information Officer.....Joe Medved KD8CIL	

ARES Repeater Nets

Monday at 9:00 PM on 146.620- 100 Hz tone
Mon—Sat at 9:30 PM on 147.300+ No tone

Meetings

LCARA meetings are held on the second Tuesday of each month in the Lapeer County Central Dispatch Center (911), 2332 W. Genesee St, Lapeer MI at 7:30 p.m. local time.

Board of Directors' monthly meetings are held on the first Tuesday of each month at Tim Horton's at 7:30PM (Check on the W8LAP repeaters).

Newsletter

Items for the newsletter may be called to the Editor at 810-721-0708, sent by Mail (Box 88, Attica, MI 48412), or as an ASCII or Word file to k8dd@arri.net The deadline for submissions is the 20th of each month.

Volunteer Exam Session

The next ARRL Volunteer Exam (VE) session will be **Nov. 14, 2009** at 10:00 a.m. in the basement lab room at the Port Huron Branch of the St. Clair County Library, 210 McMorrin Blvd, Port Huron, MI.

Pre-registration NOT NECESSARY!

Bring picture ID, the original and a copy of your present license and the original of any Certificate of Successful Completion (CSC) you may hold. The current fee is \$15.00. For further information call Bob Herbert, K8WMW, at 982-1561

Dates for 2009 : Dec. 12

Bob, K8WMW

Coming Events...

December 6 -- L'Anse Creuse Amateur Radio Club, Mt. Clemens, MI <http://www.n8lc.org> L'Anse Creuse High School, 38495 L'Anse Creuse Street

Remember...DX Is!

N2CQ QRP CONTEST CALENDAR

ARRL Sweepstakes (CW) ... QRP Category

Nov 7, 2100z to Nov 9, 0300z

Rules:

<http://www.arrl.org/contests/rules/2009/novss.html>

NA Collegiate ARC Championship (CW) .. QRP Category

Nov 7, 2100z to Nov 9, 0300z

Rules: <http://www.collegiatechampionship.org/rules/>

SKCC Weekend Sprintathon (Straight Key CW) ... QRP Category

Nov 8, 0000z to 2359z

Rules: <http://www.skccgroup.com/sprint/wes/>

WAE RTTY Contest ... 100W Category

Nov 14, 0000z to Nov 15, 2359z

Rules: <http://www.darc.de/referate/dx/xedcwr.htm>

Japan International DX Contest (phone)... 100w category

Nov 14, 0700z to Nov 15, 1300z

Rules: <http://jidx.org/jidxrule-e.html>

OK/OM DX Contest (CW) ... QRP Category!

Nov 14, 1200z to Nov 15, 1200z

Rules: <http://okomdx.crk.cz/g.html>

Kentucky QSO Party (CW/Ph)

Nov 14, 1400z to Nov 15, 0200z

Rules: <http://www.wkdx.com>

Homebrew & OldTime (HOT) Equipment Party ... QRP Category

Nov 15, 1300z to 1700z

Rules: <http://www.qrpcc.de/contestrules/hotr.html>

RUN FOR THE BACON (CW) *** QRP CONTEST ***

EDT: Oct 15, 9 PM to 11 PM

UTC: Oct 16, 0200z 0400z

Rules: <http://www.fqgrp.com/>

NAQCC Straight Key/Bug Sprint *** QRP CONTEST! ***

EST: Nov 18, 8:30 PM to 10:30 PM

UTC: Nov 19, 0130z to 0330z

Rules: <http://www.arm-tek.net/~yoel/contests.html>

YO International PSK31 Contest (80 Meters) ... 50W max

Nov 20, 1600z to 2200z

Rules: <http://www.yo5crq.ro/Rules2009EN.htm>

LZ DX CONTEST (CW/SSB) ... QRP Category

Nov 21, 1200z to Nov 22, 1200z

Rules: <http://lzdx.bfra.org/rulesen.html>

ARRL Sweepstakes (Phone) ... QRP Category

Nov 21, 2100z to Nov 23, 0300z

Rules:

<http://www.arrl.org/contests/rules/2009/novss.html>

**NA Collegiate ARC Championship (CW) .. QRP
Category**

Nov 21, 2100z to Nov 23, 0300z

Rules: <http://www.collegiatechampionship.org/rules/>

European PSK Club - PSK63 QSO Party ... 100W. Max

Nov 22, 0000z to 2400z

Rules: <http://www.eu.srars.org/>

SKCC Sprint (Straight Key CW) ... QRP Awards

Nov 25, 0000z to 0200z

Rules: <http://www.skccgroup.com/sprint/sks/>

CQ World Wide DX Contest (CW) ... QRP Category!

Nov 28, 0000z to Nov 29, 2359z

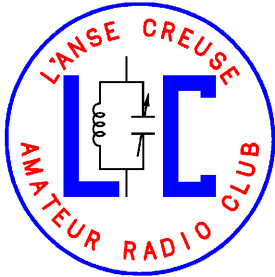
Rules: http://www.cqww.com/2009_Rules_cqww.pdf

Thanks to SM3CER, WA7BNM, N0AX(ARRL), VA3JFF
& G4GXL (QRP/ARCI), N2APB (AmQRP), WB3AAL
(EPAQRP) and others for assistance in compiling this
calendar.

AMATEUR RADIO/COMPUTER SWAP

L'ANSE CREUSE AMATEUR RADIO CLUB 37th ANNUAL SWAP & SHOP

SUNDAY, DECEMBER 6, 2009



L'ANSE CREUSE HIGH SCHOOL

Mount Clemens, Michigan

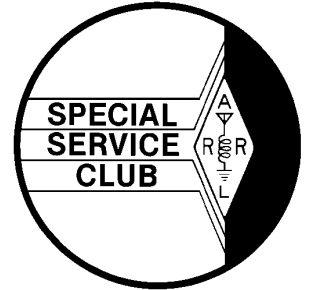
38495 L'Anse Creuse St.

GPS N42 34.922 W82 51.234

8 am - Noon

TICKETS: \$5.00

(Kids under 12 Free)



NEW & USED EQUIPMENT:

- **RADIOS** – Amateur, Commercial, CB
- **ELECTRONICS & COMPONENTS**
- **COMPUTERS AND SOFTWARE**
- **ACCESSORIES**

FCC EXAM SESSION:

- **9:00 AM (WALK-INS WELCOME)**
- **CONTACT: Joe – N8OZ**
- **e-mail: n8oz@arrl.net**

PRIZES:

- **1st \$ 100, 2nd \$50, 3rd \$25**
- **ARRL Books**
 - Handbook, Operation Manual, etc.

SWAP FEATURES:

- **FREE PARKING**
- **FOOD & DRINKS**
- **Talk-In: ECHO Repeater: 147.08+ 100hz**

ADVANCE REGISTRATION FORM

(Reservations received after Nov. 21, 2009 will be held at the main Swap entrance)

ITEM	COST	QTY	TOTAL	
8' Table & 1 Ticket	14+ 5 = \$19			Open to Vendors for 6:00am set-up.
Each additional Table	\$14			Please pre-arrange electric and bring 50-100 ft. extension cord
Each additional Ticket	\$5			
	TOTAL			Please send SASE for your confirmation and ticket(s).
NAME				
COMPANY				
ADDRESS				
CITY				
STATE	ZIP	PHONE	-	-
e-mail:				

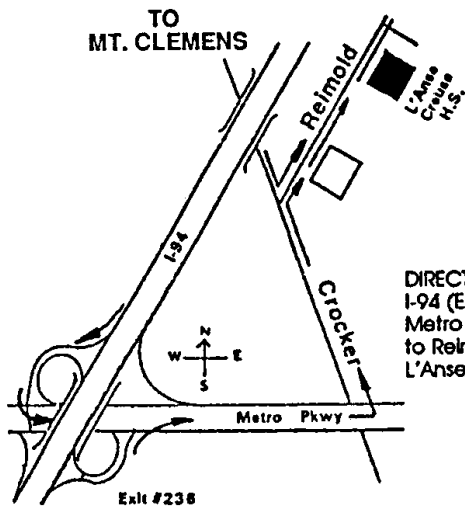
Make checks payable to **LCARC**, include a **SASE** (self-addressed stamped envelope), and mail to:
LCARC SWAP, 40360 Ryan Rd. Sterling Heights, Michigan 48310.

Your swap participation is appreciated!

For more information please contact: *Marty Folz / K8HVI, Swap Chairman,* k8hvi@arrl.net

**LCARC SWAP
Marty Folz / K8HVI
40360 Ryan Road
Sterling Heights, MI 48310**

LCARC 37th ANNUAL SWAP & SHOP - Sunday, December 6, 2009
Club Web Site: www.n8lc.org



GPS N42 34.922 W82 51.234

DIRECTIONS...
I-94 (Exit #236) Exit Metro Beach.
Metro Pkwy to Crocker. Left on Crocker
to Reimold. Right on Reimold to last school.
L'Anse Creuse High School.

L.C.A.R.A. MEMBERSHIP APPLICATION

PLEASE PRINT:

CALL SIGN: _____ NAME: _____

ADDRESS: _____

CITY ,STATE, AND ZIP: _____

PHONE : _____ LICENSE CLASS: _____

SKYWARN NO.: _____ RACES NO: _____

ARES MEMBER YES__ NO__ E-MAIL ADD.: _____

ARE YOU AN A.R.R.L. MEMBER: YES__ NO__

L.C.A.R.A. MEMBERSHIP IS \$12.00 PER YEAR, RENEWABLE EACH YEAR ON **OCTOBER. 1ST.** FAMILY MEMBERSHIP \$20.00. ASSOCIATE MEMBERSHIP \$4.00. IF YOU WISH AN AUTODIAL NUMBER FOR THE REPEATER THERE IS AN ADDITIONAL \$3.00 CHARGE. Financing available.

Lapeer County Amateur Radio Association

P.O. Box 12

Hadley, MI 48440-0012