

THE TUNED CIRCUIT

Club Website: <http://www.n8lc.org>

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**The Deadline for
the next TC:
Monday
October 24th**

Next Meeting - 7:00 PM

October 5th 2022 at the Tucker Senior Center (see last page for map and address) with Zoom video conference access.

Meeting Program - The program for our meeting will be as reported on [page 6!](#)

The NEXT board meeting will be on Wednesday, October 12th, 2022 via Zoom. [Click here for details .](#)

THE PREZ SEZ

Wow, here we are again, another month has gone by. Well, the big news is that after waiting all this time to get our antenna work done, we 'MAY' have a chance to get it done. The problem is that we have a lot of work to do. First, we really have no detail on this, just a notice that the tower climber for the HamWan project will be on the tower on the 9th of October. The problem is we don't know what they are going to be able to do. How much (if anything) it will cost etc. By the time *The Tuned Circuit* gets published, we will have had at least one emergency tech meeting to see if we can talk to the climber, and what we can be ready for. I am in a panic trying to make sure we can be ready. So, the key word is 'MAY'. Until we know more it's just a possibility. Keep your fingers crossed!

We are still doing support for siren testing. Something else I'm behind on this month. I will have to get the priority list out and collect where people will be going. But all that will probably already have happened by the time *The Tuned Circuit* gets out.

It's not too early to think about next year's board. I think most of our current board has volunteered to accept a nomination for next year. One position that we need for sure is a President Elect. Any ideas would be great!

Again, if you have antenna work to do, this would be a good time to get it done.

Hope to see you all at the meeting.

Dale / K8RO

Reminder!

2022/2023 LCARC club dues are due *NOW*

Bring your money/check and a completed Membership Request form
(a blank one is found on page 15)

to the club meeting and give them to our Treasurer Gregg, N8GEO,
OR

mail your check as instructed on the Membership Request form.

Report of the Secretary

Submitted by Ken Janicki / KD8RJN

Meeting Call to Order:

President, Dale/K8RO, called the September 7th, 2022, LCARC general membership meeting to order at approximately 7:00 PM at the Tucker Senior Center. A Zoom session was available for those not able to attend in person.

Roll Call:

The following members were in attendance:

Dale/K8RO, Gregg/N8GEO, Russ/N8HAR, Ken/KD8RJN, Fritz/KE8BFW, Rick/K8RWM, John/KE8UWT, Don/WN8IZV, Clem/W8VO, Goeff/KD8VAX, Dennis/N8MKG, Bill/WX8Y, John/N8FYL, Ralph/W8ROI, Doug/N8PYN, Keith/W8KD, Lito/K8AJJ, Mike/N5WCS, Dennis/WC8C, Bill/K8WWH, Debbie/KC8WHN, and on Zoom were Tom/WU8C, Vince/WA8BIJ, Henry/N8AT, Joe/KE8SKF, Phil/K8ZOO

Visitors: Brian – No call, Jenny – No call, Chuck/W8GWS

FCC license upgrades: None

June Meeting Minutes:

Russ/N8HAR made a motion to approve the prior month's (June 2022) meeting minutes as posted in *The Tuned Circuit*. It was seconded by Mike/N5WCS. The motion passed.

Treasurer's Report: by Gregg/N8GEO:

Total amount in the account is	\$6984.69
The Youth Fund has	\$50.00
The Repeater Fund has	\$874.85
Antenna Project has	\$3190.96
Total available (unallocated) is	\$2868.88

A number of items were paid over the summer. The radio for the swap was \$1,300.00 and our club insurance was \$800.00.

It is time for members to renew for next year. Dues are \$20.00 and can be paid tonight or at next month's club meeting.

Clem/W8VO made a motion to approve the Treasurer's Report. It was seconded by Keith/W8KD. Motion passed.

(Continued on page 3)

(Continued from page 2)

Where's Doug: by Doug/N8PYN:

Upcoming swaps are Findlay (9/11), then the following Saturday (9/17) is the GM trunk swap at the Packard Proving Grounds. The next day on Sunday (9/18) is a swap in Adrian.

Technical Committee Report: Doug/N8PYN

Doug/N8PYN stated the 2-meter machine is losing power. There are some connections that are not complete but not sure what effect they are having. Work needs to be done like fixing the power supply and maybe putting things back as they were to see if there is an improvement.

ARRL Liaison report: Keith/W8KD

The ARRL has lost two members. [Harry Dannals/W2HD](#) who was a past president of ARRL and [Caroline Kenney](#) who was Assistant Editor for QST.

- The under the affiliated club program they have started a [commission program](#) which will kickback \$15.00 to anyone joining ARRL for the first time and listing our club. If you renew your ARRL membership and list our club, we get \$5.00.
- Emergency Communication Program has an updated plan for ARES and a column for club activities. The SET [Simulated Emergency Test] is planned for October 1st and 2nd. We will hear more about these in coming months.
- The Masonic Lodges on the Air special event is September 24th.
- The International Space Station has upgraded their radios to Kenwoods. Call signs are the same.
- Steve Ford, WB8IMY, has a new version of his book – [Get on the Air with HF Digital](#). A good read if you need info on HF digital operating.
- SET has recommended they do something with ICS Operation. Nothing has been found for ICS in Macomb County.

Net Points Report—Clem/W8VO:

Name	Points	Name	Points	Name	Points
Lito/K8AJJ	250				

QSL Report: Dale/K8RO

With completion of Field Day, we handled 82 cards, of which 17 were SSB, 52 were CW, and 13 were Digital.

Membership and Tuned Circuit Report: John/N8FYL

We have 76 members of which 4 are life members and 7 are first year free. The September *Tuned Circuit* deadline is Monday September 26th, 2022.

(Continued on page 4)

John/N8FYL provided an update on the items donated from the estate of Bill/N8BRG. He took the items to the GM Trunk Swap in May and June to be given away. The items were free but we received a total of \$62.00 in donations to be contributed to the Youth Forum.

Old Business:

Dale/K8RO provided an update on the siren test reporting. Test reporting has been going well and of the 51 sirens the county would like us to focus on we have completed 18.

Tower/Repeater Project:

Ken/KD8RJN provided an update on his attempt to find a tower climber and his discussion with the county. He was unable to get anyone from any other companies to contact him and is continuing to interact with Paul from the county. The funding for the county project is starting to be approved and we could have an approval soon.

Swap Meet:

Russ/N8HAR provided an update on the swap in December. Fliers have been printed and have been handed out at various swaps. Tickets have been paid for and will be picked up when printing is complete. Cost of the printing has increased over last year. Emails about the swap will be sent out over the next month to about 1500 addresses.

Cards to Members:

No cards are needed to be sent this month. Donations were made to a charity and the youth forum for members or members spouses that have passed.

Donations to the Club:

Gregg/N8GEO received some equipment, and it is listed in *The Tuned Circuit* for sale. Some items have been sold and the money has been put into the club funds.

VE Testing:

Gregg/N8GEO reports a session is scheduled for September 19th. Prior session went well, and he is hoping the same guys can come a little early and continue the success of error free testing sessions.

Board Meeting:

The next board meeting will be Wednesday, September 14th in person at Rose Ann's Kitchen.

New Business:

In Port Huron the light ship Huron has the radio room on board. It is open to licensed amateurs who may operate the radio as they would like.

Club Evening Out:

Gregg/N8GEO will try to send out an invitation for a September dinner. Watch your email.

Coffee Break:

A break was taken from 7:30 to 7:45 PM by the members to purchase door prize and 50/50 tickets.

(Continued on page 5)

(Continued from page 4)

Close Meeting:

A motion by Mike/N5WCS and was seconded by Dennis/N8MKG to close the meeting and the meeting was closed at 8:05 PM.

Evening Program:

The program was presented by Geoff Gariepy/KD8VAX on the [CERT](#) [Community Emergency Response Team] program for Macomb County.

Board Meeting Minutes

Submitted by Ken, KD8RJN

Meeting Call to Order:

The LCARC President, Dale/K8RO called the September 14th, 2022 LCARC board meeting to order at 7:30 PM. The meeting was held in person at Rose Ann's Kitchen.

Present were:

Dale/K8RO, Doug/N8PYN, Kathy/KC8WNL, Gregg/N8GEO, Ken/KD8RJN, Russ/N8HAR and Dennis/WC8C.

Swap Donation:

Gregg/N8GEO provided an update on a \$100 gift card donated by Ralph/W8ROI to be used at the swap as a door prize. It was discussed how to use it, as a replacement for, or in addition to, the current \$100 door prize. Gregg/N8GEO is going to contact Ralph/W8ROI to see how he would like to see it used.

VE Testing:

Gregg/N8GEO stated we have 2 to 3 people signed up for the next testing session. He is hoping the normal team will show up to help run the testing session.

Membership Renewal:

As of the time of the board meeting 9 people have paid their dues for next year.

October Meeting Program:

Dennis/WC8C stated he is going to provide an overview on baluns at the next meeting. It is one of those items we use but have very little understanding of why they are needed and how they work.

Repeater Update:

Doug/N8PYN and Dale/K8RO stated the repeater is still losing power and will need to be addressed. We may have to wait until the tower work is complete before making any changes or investment.

Tower Work:

Ken/KD8RJN contacted Paul at Macomb County to see if he has any updates on his program moving forward. Ken/KD8RJN requested the contact information for the county's tower climber. Paul was going to see if that contact can be given out. No response yet.

Swap:

Russ/N8HAR provided an update on the swap. Everything is on track. The radio, an ICOM 7300, has been purchased. Gregg updated us on a change the K of C will need to make in printing the tickets for us. It will cost them more and the club will adjust the amount we donate to them to cover the increased cost.

Monthly Evening Out:

Gregg/N8GEO has reserved a table at El Charro's in Fraser for September 20.

December Meeting and Christmas Party:

Gregg/N8GEO stated Mark/N8REZ will be planning the Christmas Party at [Penne Lane](#) on M-59. The current plans for December are the club swap on December 4 and the Christmas Party on December 14. There will not be a club meeting in December.

Meeting adjourned at 8:30 PM.

OCTOBER 5TH MEETING!!!

Submitted by Dennis / WC8C—Activities Manager

The October program will be two videos on using a Nano VNA:

Nano VNA Made Simple: <https://www.youtube.com/watch?v=xa6dqx9udcg>

NANOVNA LP Low Pass Filter: <https://www.youtube.com/watch?v=f-qJlJaFlrs>

This is a prelude to the November program on how to use a Nano VNA to test baluns, by WC8C.



Meeting time is 7:00 PM



Membership Report

At the June meeting Debbie/KC8WHN rejoined our club and four others paid their dues for the coming year.

We now have 77 members: 73 regular members of whom 6 are “first year free” members, and four Life members. John / N8FYL — 09/27/2022



Zoom Meeting Details



Dale McGorman is inviting you to a scheduled Zoom meeting.

Topic: LCARC Club Meeting

Time: Feb 2, 2022 07:00 PM Eastern Time (US and Canada)

Every month on the First Wed, until Dec 7, 2022, 11 occurrence(s)

~~Feb 2, 2022 07:00 PM~~

~~Mar 2, 2022 07:00 PM~~

~~Apr 6, 2022 07:00 PM~~

~~May 4, 2022 07:00 PM~~

Jun 1, 2022 07:00 PM

~~Jul 6, 2022 07:00 PM~~ NO club meeting

~~Aug 3, 2022 07:00 PM~~ NO club meeting

~~Sep 7, 2022 07:00 PM~~

Oct 5, 2022 07:00 PM

Nov 2, 2022 07:00 PM

Dec 7, 2022 07:00 PM

Please download and import the following iCalendar (.ics) files to your calendar system.

Monthly: https://us04web.zoom.us/meeting/upYufuCvqz0oG9d00ltr7tsbFOeoNqovelOh/ics?icsToken=98tyKu6qrTljHdGTshiER7YQA4r4Xe3wmCFBjfpZzE_pFzIEdhDOEM1HPZxuH87V

Join Zoom Meeting

<https://us04web.zoom.us/j/72399756213?pwd=f-U40lfrRV1S4NYAv3zI5mQthbj8N3.1>

Meeting ID: 723 9975 6213

Passcode: RJP4Zx

The first link is to enable you to import them into your calendar if you are so inclined. The second one is the link for the actual meetings. With this link, you should be able to create a bookmark in your browser, and then you can use that each month, as this link will not change for the rest of the year.

L'Anse Creuse Amateur Radio Club

49th Annual Swap & Shop

SUNDAY, SUNDAY, SUNDAY!

DECEMBER 4, 2022

See the flyer HERE

N8HAR should have flyers available at the October meeting, or contact him directly to get some flyers if you can't attend the meeting.

2022 LCARC Swap update

We are getting closer to our Sunday December 4th Swap/hamfest and that means I will be asking all our members/volunteers for help as in previous years. It is truly a team effort that makes our swap so successful, and I thank everyone in advance.

In past swaps the following people have volunteered, and I am hoping that I can assign you all to this year's swap as well.

Sunday morning(early):

Russ/N8HAR, Dale/K8RO, and Marty/K8HVI for vendor intake/check-in

Ken/KD8RJN and Fritz/KE8BFW for front door ticket sales for swap and radio raffle

Robin, Mark/N8REZ, and Cheryl – kitchen setup/food preparation. Coffee and donuts

Dominic/KE8HHA, Ted, and Rick – Outside vendor parking/traffic flow/vendor help

Sunday (during swap hours)

Gregg/N8GEO and VE's for license testing (conducted in the training room)

Cathy/KC8WNL and Doug/N8PYN for radio raffle ticket sales and club table sales

Cathy/KC8WNL for Door prize announcements

John/N8FYL for food concession cashier

I don't think I missed anyone's assignment but if I have and you would like to volunteer, please contact me.

I will also need help for swap setup on Saturday December 3rd but I do not have all the details yet...more to come regarding Saturday setup.

Thank you for your continued support.

73,

Russ N8HAR

Swap Chairman

Regulating Ham Towers in Macomb Township

Submitted by Dave/W8WWP

Some good info for residents of Macomb Township. I've been inquiring for several months as to the legality and rules regarding towers. Got my answer. Dave

In regard to the matter of regulating ham radio towers, [Section 10.0311](#) – Yard and Lot Area Requirements Subsection (B)(1) of the zoning ordinance exempts these structures. The section is copied below.

B. Dimension Criteria (See appendix).

1. Height Limitations. The limitations affecting the height of structures shall not apply to the appurtenant appendages and structures such as parapet walls not exceeding three (3) feet in height, chimneys, smokestacks, church spires, flagpoles, radio or TV towers, masts and aerials, penthouse for mechanical equipment, and water tanks; provided, however, such appendages and structures shall comply with all other provisions of this or any other applicable Ordinance.

As for location of said radio tower, this would be considered a structure accessory to the principal structure; therefore it should be located in the rear yard, outside of any easements and a minimum 7.5' setback from any side or rear property lines.

If you have any further questions regarding this matter, please contact me.

Sincerely,

Michael Badamo

Assistant Building Official

Macomb Township

54111 Broughton Road

Macomb Twp., MI 48042

(586) 992-0710 (P) Ext. 2241



**WE NEED
A 2M Net
Control!**

4th Thursday of the
month at 8:30 PM.

The LCARC 2M net is in need of a net control operator for the 4th Thursday of the month at 8:30 PM. It is not a hard job, except remembering to do it. LOL We have a preamble that you will read, check everyone in, and then end the net, and email a check in report to Tom/WU8C for the net points. It usually takes about 30 minutes to run the net. After you have decided you want to fill this vacancy, please contact Clem/W8VO or Gregg/N8GEO. We will help you through the process.

Michigan “Scanner” Law—Revisited

By John / N8FYL

Many (30ish) years ago, a member of our club (my memory says Vince/WA8BIJ) provided us with copies of the latest State of Michigan statute regarding the legality of FCC licensed amateur radio operators having certain radio receiving equipment in their vehicles. I thought maybe it was time for an update.

The relevant statute is Act 328 of 1931, Section 750.508 (<http://legislature.mi.gov/doc.aspx?mcl-750-508>). Since 1990, section 508 has been amended twice: 2002 Act 672, and [2006 Act 39, effective May 31 2006](#). The most recent amendment removed the listing of specific license classes in part (1), and spelled out the parameters for applying penalties in parts (2) and (3), while moving the “does not apply to radar detectors” exception to part (4).

It is a very good idea to carry a copy of this information in every vehicle equipped with a VHF/UHF receiver (which may be part of a transceiver or scanner), especially if the receiver provides coverage outside of the authorized amateur frequencies. To create a PDF or HTML that you can print, click this [friendly link](#), but I preferred the version I got by printing the HTML version from my Firefox browser.

In the past, amateurs have been stopped for having such equipment in their vehicles, even though they had call sign plates on the vehicle. All law enforcement officers may not be aware of this law which allows amateurs to have the equipment.

THE MICHIGAN PENAL CODE (EXCERPT) Act 328 of 1931

750.508 Equipping vehicle with radio able to receive signals on frequencies assigned for police or certain other purposes; violation; penalties; radar detectors not applicable.

Sec. 508.

(1) A person who has been convicted of 1 or more felonies during the preceding 5 years shall not carry or have in his or her possession a radio receiving set that will receive signals sent on a frequency assigned by the federal communications commission of the United States for police or other law enforcement, fire fighting, emergency medical, federal, state, or local corrections, or homeland security purposes. This subsection does not apply to a person who is licensed as an amateur radio operator by the federal communications commission. A person who violates this subsection is guilty of a misdemeanor punishable by imprisonment for not more than 1 year or a fine of not more than \$1,000.00, or both.

(2) A person shall not carry or have in his or her possession in the commission or attempted commission of a crime a radio receiving set that will receive signals sent on a frequency assigned by the federal communications commission of the United States for police or other law enforcement, fire

fighting, emergency medical, federal, state, or local corrections, or homeland security purposes. A person who violates this subsection is guilty of a crime as follows:

(a) If this subsection is violated in the commission or attempted commission of a misdemeanor punishable by a maximum term of imprisonment of at least 93 days but less than 1 year, the person is guilty of a misdemeanor punishable by imprisonment for not more than 1 year or a fine of not more than \$1,000.00, or both.

(b) If this subsection is violated in the commission or attempted commission of a misdemeanor or felony punishable by a maximum term of imprisonment of 1 year or more, the person is guilty of a felony punishable by imprisonment for not more than 2 years or a fine of not more than \$2,000.00, or both.

(3) Subsection (2) does not apply to a person who carries or has in his or her possession a radio receiving set described in subsection (2) in the commission or attempted commission of a misdemeanor punishable by a maximum term of imprisonment of less than 93 days.

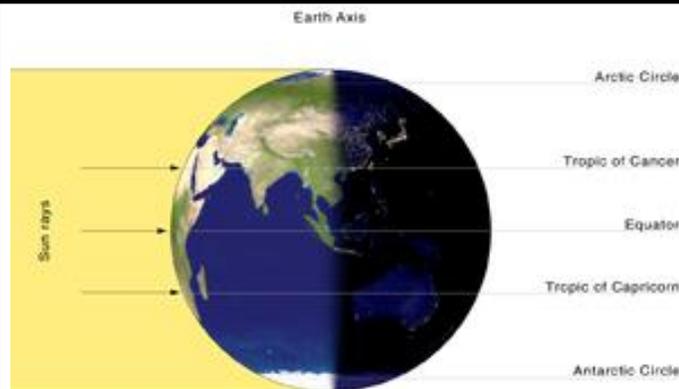
(4) This section does not apply to the use of radar detectors.

600 Watts For Sale at \$3.33/Watt

Offered by Lito/K8AJJ

[Ameritron ALS 606](#) Solid State FET amplifier. Features No Tune 600 watts, 160-6M coverage and Automatic Band Switching . 10 months old. I bought it brand new for \$2,450 from [R&L](#), where it is currently out of stock. No issues and no scratches. It comes with the Linear Power Supply wired for 110 volt AC input. I posted it for \$2,200 on line at Facebook Marketplace and other internet sites. I am offering it to L'Anse Creuse members for only \$2,000.

73, Lito/K8AJJ litojuliano@gmail.com



Illumination of [Earth](#) by the [Sun](#) at the equinox

Equinox versus Equilux

The [equinoxes](#) are the only times when the [solar terminator](#) (the "edge" between night and day) is perpendicular to the equator. As a result, the northern and southern [hemispheres](#) are equally illuminated.

An [equilux](#) is a day in which the durations of light and darkness are equal, contrasted with an equinox, where they may differ slightly due to the angular diameter of the sun and atmospheric refraction.

Now you know!

Flex 3000 SDR Transceiver – Now with 32A Power Supply

90% of the sale price of this radio goes to LCARC Treasury sub account for Youth Activities.

FLEX Radio Model 3000 SDR Transceiver (covers 160M - 6M, most any mode). 100 watts output.

FLEX hand microphone and several interconnect cables (some are Firewire) for one's computer and a multiport Firewire PCI plug-in card

FLEX power cable

Manual on CD-ROM (and available at

https://www.flexradio.com/documentation/?_categories_dropdown=flex-3000)



Now offered with an Alinco [DM-330MVT](#) switching power supply. This unit features adjustable voltage from 5-15 volts, and an adjustment to change the switching frequency. It has binding posts on the back (30A continuous/32A max), and some lower amperage connections on the front.



Still Asking ONLY \$400 but offers are not out of the question. The buyer can make out two checks or deal direct with the L'Anse Creuse treasurer, etc.

Very 'FLEXible' on this.

73, Ralph / W8ROI 586-913-5811 and w8roi@wowway.com

Future Programs & Activities

Dennis/WC8C — Activities Manager

- October 5, 2022 Regular Meeting — Using Nano VNA videos — Next year's dues are payable now!
- November 2, 2022 Regular Meeting
- Nov 5-6, 2022 ARRL Sweepstakes Contest, CW
- Nov 19-20, 2022 ARRL Sweepstakes Contest, SSB
- December 4, 2022 L'Anse Creuse Swap! Includes a VE test session.
- December 7, 2022 Regular Meeting—maybe...
- December 14, 2022 Traditional day for the L'Anse Creuse Christmas "Party"/dinner

L'Anse Creuse ARC Board Members – 2022

President

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Analog FM



LC Echo 2 Meter Repeater
 Yaesu DR-1X 147.080 MHz
 100 HZ PL

N8LC

Fusion Digital Only



LC Echo 70 cm Repeater
 Yaesu DR-1X 442.925 MHz
 100 HZ PL

Board Meeting Time and Location

Board Meetings are held on the Wednesday after the regular membership meeting at a time determined by the President. Board meetings will be held via Zoom video conferencing. [Click here for the Zoom details](#). All club members are welcome to participate. Should a board meeting have a planned cancellation, this cancellation will be announced in the newsletter. Other updates may be posted on LcRadioClub@groups.io

Club Founder - Art Ellis W8PBO SK

Club Committee Chairmen

ARRL HF Awards Manager			Little Bay Awards	Dale McGorman	K8RO
ARRL HF Awards Assistant			Meeting Refreshments	Russ Price John Slobodnik	N8HAR N8NXW
ARRL VHF/UHF Awards Manager			Membership Chairman	John Huber	N8FYL
Call Sign ID Tags	Gregg Crump	N8GEO	TC email distribution		
Christmas Party	Mark Castiglione	N8REZ	Net Points Manager	Tom Mathison	WU8C
Club Apparel & Patches	Scott Hernalsteen	W8CQD	Net Points Upgrade Awards	Clem Duval	W8VO
Club Call Trustee - N8LC	Marty Folz	K8HVI	TC Postal Distribution	John Huber	N8FYL
Code Proficiency Awards	Vince Cuker	WA8BIJ	Outgoing QSL Manager	Dale McGorman	K8RO
Dayton Trip	Gregg Crump	N8GEO	QSL Cards	Dale McGorman	K8RO
Door Prizes—Buyer	Doug Chauvin	N8PYN	Swap Chairman	Russ Price	N8HAR
Door Prizes—Tickets	TBD		<i>Tuned Circuit</i> Editor	John Huber	N8FYL
Echo Repeater Trustee	Marty Folz	K8HVI	Volunteer Exams	Gregg Crump	N8GEO
Field Day	Gregg Crump	N8GEO	Webpage (www.n8lc.org)	Doug Chauvin	N8PYN
Health & Welfare			Webpage Assistant	Marty Folz	K8HVI
Licensing Classes	TBD		Youth Forum (50/50) [Alternate]	Ralph Irish John Slobodnik	W8ROI N8NXW

The Tuned Circuit

This publication of the L'Anse Creuse Amateur Radio Club is issued for the months of September through June of each year. We welcome any comments, concerns, corrections, congratulations, or complaints. Please submit such communications to the [Editor](#):

John H. Huber N8FYL
 Email: n8fyl@arrl.net or editor@n8lc.org
 Phone: (248) 740-2693

Submissions will be accepted in any of the standard PC formats. Microsoft Office, Open Office, plain text, rich text, PDFs, and any type of image format. Unfortunately audio files and movies cannot be accepted, as they cannot be reproduced on paper, but links can be reproduced to these types of media if you'd like to provide a link.

VE Testing Locations

LCARC has scheduled its final 2022 VE session at our swap on December 4, 2022. Swap opens at 8 AM, doors open for testing at 9 AM and testing begins at 9:30 AM. Contact Gregg Crump n8geo.ham@gmail.com

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There are other testing opportunities available in our area according to the ARRL web site.

Go to <http://www.arrl.org/find-an-amateur-radio-license-exam-session>. Enter your Zip Code and the “within” distance, and click SEARCH. When I did it with Zip 48045 (the zip code for the Tucker Senior Center), and a “within 50 miles”, it reports 13 sessions between now and the end of 2022.

Online Practice Exams:

<https://www.eham.net/exams>

<https://www.qrz.com/hamtest/>

<http://www.hameducation.org/>

Morse Code Resources:

Learn CW Online <https://lcwo.net/>

<http://www.g4fon.net>

<http://www.pdarri.org/k6rau/>

<http://www.ac6v.com/morseaids.htm>

<http://morsecodemasters.com/trainer/Examples/hct.html>



Upcoming Swaps

10/01/2022 - [Top of Michigan Amateur Radio Club & Thunder Bay Amateur Radio Club Hamfest](#)

Location: Gaylord, MI

Type: ARRL Hamfest

Sponsor: Top of Michigan ARC Gaylord and Thunder Bay ARC Alpena

Website: <http://www.nm8rc.org>

[Learn More](#)

10/15/2022 - [Muskegon Color Tour Hamfest](#)

Location: Muskegon, MI

Type: ARRL Hamfest

Sponsor: Muskegon County Emergency Communication Services, Inc.

Website: <http://mcecs.net/Hamfest.htm>

[Learn More](#)

10/16/2022 - [Kalamazoo Hamfest](#)

Location: Kalamazoo, MI

Type: ARRL Hamfest

Sponsor: Kalamazoo Amateur Radio Club / Southwest Michigan Amateur Radio Team

Website: <http://www.kalamazoohamfest.org/>

[Learn More](#)

11/19/2022 - 11/20/2022

[Fort Wayne Hamfest & Computer Expo](#)

Location: Fort Wayne, IN

Type: ARRL Hamfest

Sponsor: Allen County Amature Radio Technical Society

Website: <http://www.fortwaynehamfest>

[Learn More](#)

12/04/2022 - [LCARC Amateur Radio Swap-Hamfest](#)

Location: Troy, MI

Type: ARRL Hamfest

Sponsor: L'Anse Creuse Amateur Radio Club

Website: <http://www.n8lc.org>

[Learn More](#)

03/26/2023 - [U.S.E.C.A. Hamfest Swap & Shop 2023](#)

Location: Troy, MI

Type: ARRL Hamfest

Sponsor: Utica Shelby Emergency Communications Association

Website: <http://usecaarc.org>

[Learn More](#)

05/19-21/2023 - [Dayton Hamvention](#)

Location: Xenia, OH

Type: ARRL Hamfest

Sponsor: Dayton Amateur Radio Association

Website: <http://hamvention.org>

[Learn](#)

[More](#)

L'Anse Creuse Amateur Radio Club Nets

Day	Local Time	Band	Mode	Frequency	Net Control	Calendar
Monday	2000	15 M	CW	21.165 MHz	QRT due to lack of participation	
Monday	2030	15 M	USB	21.395 MHz	Clem, W8VO	Every Monday
Monday	2100	6 M	USB	50.160 MHz	Gregg, N8GEO	Every Monday
Tuesday	2000	2 M Internet	Packet telnet	144.93 MHz ve2har.dyndns.org	RF Net is QRT Ralph, W8ROI	Every Tuesday (Connect to detqso)
Tuesday	2100	2 M	FM	147.08+ MHz	Sterling Heights CERT	2nd Tuesday of the month A LCARC sanctioned net run by the Sterling Heights CERT
Thursday	1930	10 M	USB	28.435 MHz	Clem, W8VO	Every Thursday
Thursday	2030	2 M	FM	147.08+ MHz	Clem, W8VO	1st Thursday
					Russ, N8HAR	2nd Thursday
					Gregg, N8GEO	3rd Thursday
					TBD, perhaps you?	4th Thursday
					Fritz, KE8BFW	5th Thursday

Membership Request

Date: ___/___/_____

Request For:

___ \$20.00 LCARC Individual Membership
Are you a New Member? (Y / N)

___ \$30.00 LCARC Family Membership

___ \$2.00 LCARC Student Membership (Under 18 years of age)

___ Please update my membership information because it has changed.

I am an ARRL Member: (Y / N / Life)

Call sign: _____ Old Call Sign: _____ Street: _____

Name: _____ City: _____ State: _____

Nickname: _____ Zip: _____ - _____

Spouse: _____ 6 Character Grid Square (optional): _____

Phone: (_____) _____ - _____ Email Address: _____

(Please indicate your name above even if it hasn't changed, so we know who's giving us money and can mark that you've paid in our records.)

L'Anse Creuse Amateur Radio Club
Gregg Crump, N8GEO
29729 South River Rd
Harrison Twp MI 48045-3030

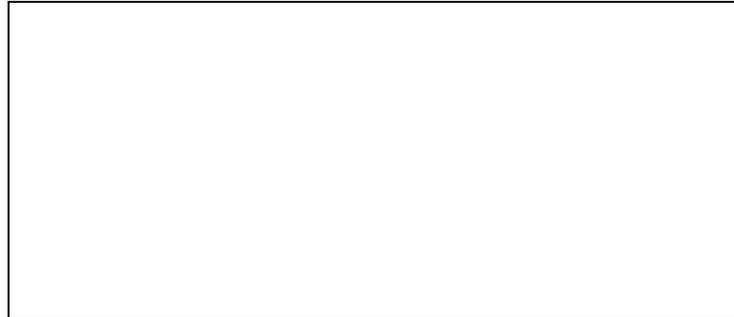
Only membership applications to go this address.. Make sure you use the full 9 digit zip code when mailing in your application.

Treasurers Box
Date Paid: _____
Amount: _____
Initials: _____

Note: LCARC dues are from **Nov 1st to Oct 31st**
Class License (Circle One)
Novice Technician Tech+
General Advanced Extra

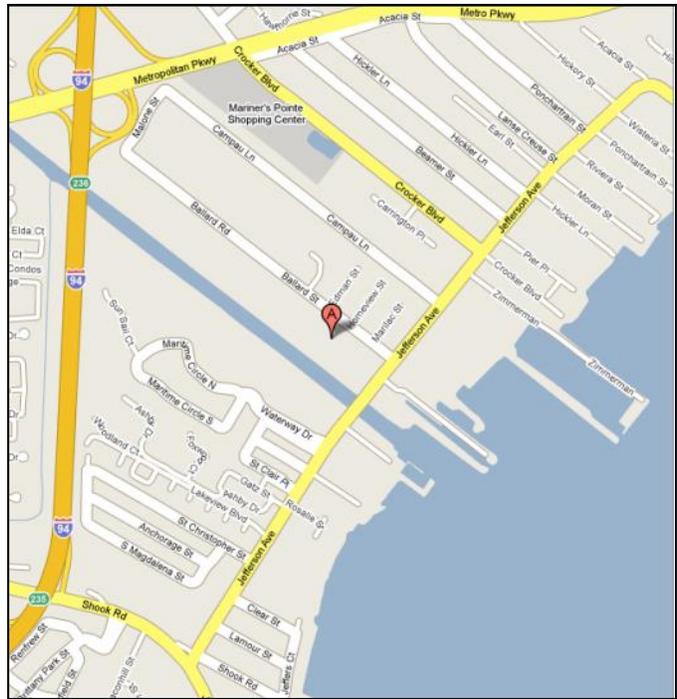
The Tuned Circuit
Monthly Bulletin of the
L'Anse Creuse Amateur Radio Club
29729 South River Rd
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<http://www.n8lc.org>

E-mail: info@n8lc.org



The L'Anse Creuse Amateur Radio Club meets at 7:00 pm the first Wednesday of each month, except during July and August. Meetings are held at Tucker Senior Center located at [26980 Ballard St, Harrison Township, MI 48045](https://www.google.com/maps/place/26980+Ballard+St,+Harrison+Twp,+MI+48045) unless indicated otherwise in the most current issue of the Tuned Circuit. Call-in on the Echo Repeater (N8LC) on 147.08 MHz (+ 600 KHz, 100 Hz PL tone) for any meeting information, or to ask a member for the location of the meeting.