

THE TUNED CIRCUIT

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

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**November TC
Deadline:
Monday
October 25th**

Next Meeting - 7:00 PM

October 6th 2021 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 5!](#)

The NEXT board meeting will be on Wednesday, October 13th, 2021 or as announced, perhaps via e-mail or the groups.io reflector.

THE EDITOR SEZ

The return to “normal” continues with the second meeting of our 2021-2022 club year. The October 6th 2021 general membership meeting will again be **IN PERSON** at the Tucker Senior Center, and again the meeting will be accessible via [Zoom video conferencing](#). Free Zoom meetings usually have a 45 minute limit. If the Zoom session does cut off, you should try reconnecting to the same meeting link.

Zoom Invitation Details:

Topic: L'Anse Creuse ARC October Meeting

Time: Oct 6, 2021 07:00 PM Eastern Time (US and Canada)

Join Zoom Meeting

<https://us04web.zoom.us/j/77879568149?pwd=WjZER3ZJL285dXdWUHpWM1hlZW1yZz09>

Meeting ID: 778 7956 8149

Passcode: W4fi7K

The October LCARC meeting will be **LIVE** at the Tucker Senior Center and available via [Zoom](#) video conferencing on Wednesday, October 6th, 2021 at 7:00 PM.

Report of the Secretary

Submitted by Marty / K8HVI at 01:41 AM 08/30/2021

Meeting Call to Order:

The Vice-President, Dale, K8RO, called the September 1st, 2021 LCARC general membership meeting to order at approximately 7:00PM at the Tucker Senior Center (where we also had Zoom meeting session setup for those that couldn't come in person).

Roll Call was taken and we had:

21 members and 1 guest present.

In person at Tucker Senior Center: Dale/K8RO, Marty/K8HVI, Doug/N8PYN, Clem/W8VO, Don/WN8IZV, Bob/KB8QYJ, Ralph/W8ROI, Russ/N8HAR, John/N8FYL, Dave/N6WY, Mark/N8REZ, Ken/KD8RJN, Fritz/KE8BFW, Keith/W8KD, Tom/WU8C, Gregg/N8GEO, Lito/K8AJJ, Dennis/WC8C. Late arriving: Mike/N5WCS.

Via Zoom: Bob/KA8VSI, Vince/WA8BIJ,

Visitors: Fred/WB8ITV

FCC license upgrades: None

Tom/WU8C made a motion to approve the prior month's (June 2021) meeting minutes as printed in the Tuned Circuit. Motion was seconded by Keith/W8KD. John/N8FYL noted that the treasurer's report didn't add up. Motion passed.

Treasurer's Report: by Gregg/N8GEO:

Total amount in the account is	\$5,062.01
The Youth Fund has	\$7.50
The Repeater Fund has	\$1,185.43
The Repeater Project has	\$3,190.06
Total amount available (unallocated) is	\$679.02

Note, we had these expenses since the last meeting; \$520 deposit for swap venue, \$292 for insurance. We had the \$300 deposit returned to the club from the old swap location.

Ken/KD8RJN made a motion to approve the Treasurers Report. It was seconded by Marty/K8HVI. Motion passed.

(Continued on page 3)

(Continued from page 2)

Where's Doug: by Doug/N8PYN:

Doug went to the Port Huron swap last Sunday. It was a very good swap. Next swap is the Findlay, OH swap (the Sunday a week after labor day), then the following Sunday is at Adrian, MI. John added that Sept. 11 is Grand Rapids, Sept. 18 is Cadillac.

Technical Committee Report: Dale/K8RO

The engineering company said they will not be able to work on our tower at all now. They stated they might try to hook us up with another company. We will try to talk with them to see if any money can be returned from what we have already paid. So, no 440 repeater antenna replacement at the site is possible now. Dale decided to put the 440 repeater at his house (Wires-X digital mode) for now on his antenna which is at 70ft.

ARRL Liaison report: Keith/W8KD

Looks like after the first of the year before the cost of your license changes happen.

ARRL Great Lakes Division Convention will be in Bowling Green, KY.

We will no longer have to collect the FCC fee during testing sessions.

Also, by May of 2023, you have to complete the RF Exposure safety check on your system. The ARRL website has a page to help with this.

Net Points: Clem/W8VO

Name	Points	Name	Points	Name	Points
Fred/WB8ITB	50 Point Certificate	Chris/K8NVH	100	Lito/K8AJJ	150
Lito/K8AJJ	150	Don/WN8IZV	200	Carl/N8AE	350
Mike/N5WCS	400	Keith/W8KD	400	Mark/N8REZ	500
Dale/K8RO	500	Dave/K8GTV	600	Ralph/W8ROI	1,200
Mike/AC8ER	1,250	Gregg/N8GEO	2,000	Clem/W8VO	3,950
Tom/WU8C	5,250				

QSL Report: Dale/K8RO

180 eQSLs came in. 132 for Field Day. 9 for 2020, 3 for 2019, 1 for 2019 Winter Field Day, 2 for 2018 Michigan QSO Party, 1 for 2017 Field Day, and 33 older ones.

(Continued on page 4)

(Continued from page 3)

Membership and Tuned Circuit Report: by John/N8FYL:

72 members, (includes 3 first year free and 8 life members)

The October *Tuned Circuit* deadline is Sept. 27, 2021.

Reminder, yearly club dues are due.

Old Business:

Ken brought up the question that should we be looking for a new repeater site. Generally, agreed that it is never a bad idea to prospect out possible sites that might offer better options for hosting our repeater.

Russ talked about our swap is still on track for December. All the tickets are made up. Will call the hall coordinator in August to touch base.

Gregg stated the next VE testing session is September 13, 2021 at the Tucker Senior Center. Doors will open at 6pm, start testing at 6:30pm. We have 6 persons signed up now for taking the test at this time.

Gregg stated that they started selling the HF Radio raffle tickets at the Port Huron swap. Sold 9 tickets there.

Swap Report: Russ/N8HAR

(Dale stated that Russ has done a yeoman's job finding a new location) Since we lost our old swap location. We will be looking for a new location that will accommodate 200 parking spots and 100 rectangular tables. Basically came down to the Balkin American Community Center (BACC) and Carpathia Club. Of these, the BACC looks to be the best fit. They will be charging 1,200 more to rent the place over our past location. So, we will need to increase our prices, tickets \$10 and tables \$20. Current set up will be Saturday assuming no one rents it that day. We will have to bring in coolers as they don't have refrigerators. We will have a classroom for VE testing. John/N8FYL will update the club website with the new swap flyer.

New Business:

We had door prizes and 50/50 drawing today.

Marty asked if we are having a Christmas Party this year. No one has stepped up to say that they will lead it. So, will push it to discuss next month.

Close Meeting:

Tom made a motion to close the meeting. It was seconded by Bob. Motion passed

Meeting closed at 8:37pm.

Club Presentation: None tonight.

OCTOBER 6TH MEETING IN PERSON!!!

The October membership meeting will be in person with Zoom video conferencing access. See the Zoom details in [The Editor Sez on page 1](#).

The program will be a presentation of ARRL's Learning Network webinar "RF Exposure Rules".



Meeting time is 7:00 PM



Membership Report

Our member count increased by 1 in September to 73 as we begin our club year. 62 regular members, three "first year free" members, and eight Life members. Welcome to Charles/KC8PLS a family member of Charles/K8CJ.

October 1st is the beginning of our next dues year, therefore your dues are due now. As of this report our treasurer has already received renewal information for five members who are right on top of things.

John / N8FYL – 09/28/2021



Reminder!

2021/2022 LCARC club dues are due *NOW*

Bring your money and either the pre-filled form I hope to send out before the October meeting
OR the Membership Request form on page 15
to the club meeting and give them to our Treasurer Gregg, N8GEO,
OR
remit your payment as instructed on either form.

L'Anse Creuse Amateur Radio Club

48th Annual Swap & Shop

SUNDAY, SUNDAY, SUNDAY!

DECEMBER 5, 2021

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 make the meeting.

Laser Printer For Sale

By Ralph/W8ROI

586-913-5811

LASER PRINTER: Brother Model HL-2270DW

The "D" indicates a duplex capability (see below) and the "W" indicates wireless operation capability. Otherwise runs on a user supplied USB cable. This is because there are a number of slightly different USB combinations and Brother didn't want to supply a handful of connection cables. [The internet also indicates Ethernet connectivity too. Editor]

It has never been out of the box! The box has been opened strictly for access to the plastic envelope with instructions and a standard size CD-ROM disk with drivers and other software for the printer. The AC power cord is still all "hanked" up with twisty tie from the factory. These items are in a small compartment in the packing, which is accessible once the four cardboard covers are opened.



This printer will connect to both the PC world and to Macintosh computers.

Asking \$150 for it.

Brother HL-2270DW pricing [from internet]

<https://www.google.com/search?q=Brother+HL2270DW+MSRP%3F&oq=Brother+HL2270DW++MSRP%3F&aqs=chrome..69i57j0l2.22525j0j7&sourceid=chrome&ie=UTF-8>

	Price	Date
Current	\$349	Sep 23, 2021
Highest*	\$349	Sep 23, 2021
Lowest*	\$349	Sep 23, 2021
Average	\$349	

NOTE: This is a black & white printer only. No possible option for multi-color printing.

This is a situation where I can't give you a demonstration since that would sort of end the "New in Box" status. Warranty papers are part of the items in the plastic envelope.

The "DW" model has a duplexer which allows dual side printing without running paper through two times manually. I have never done this so I can't say much else.

One online review indicates a printing speed of over 25 pages per minute. If my math is correct that equals one copy every 2.4 seconds.

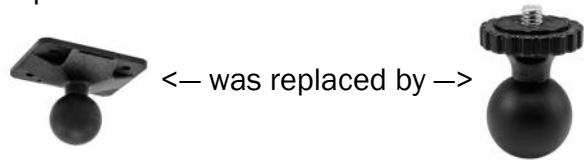
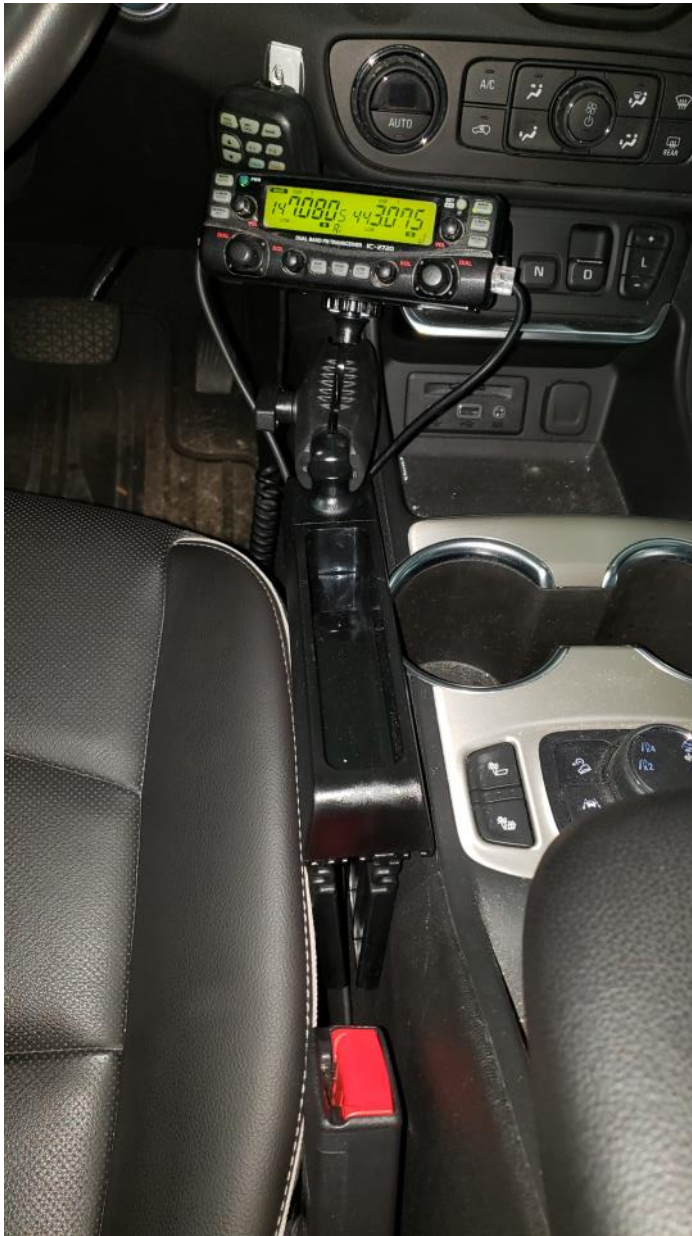
I hope I've covered all important things. Since I've never used it, I have no history to relate.

E-mail or phone: w8roi@wowway.com 586-913-5811 (cell)

The LM-Wedge Report

By John / N8FYL

Last month I reported that I was checking out the Lido mounts [LM-WEDGE](#) mount for HT's and remote heads for my ancient Icom IC-2720 remote head. After exploring several ideas, I discovered that the Icom MB-74 bracket I already had contained a mounting hole for a 1/4-20 UNC bolt. (To learn more about what UNC means see https://en.wikipedia.org/wiki/Unified_Thread_Standard., The short definition is "coarse thread pitch"). I think the bracket came with the radio when I purchased it at the 2003 LC Swap and I still had it laying around! The 1/4-20 thread pitch is the same as a standard 1/4-20 thread on a camera tripod AND the [Lido 25mm to 1/4 X 20 Adapter Plate](#) (w 1/4x20 stud). I ordered an [LM-Wedge-AMPS Wedge Mount With Ram 1" style ball connection and 4 hole AMPS Face Plate](#) and the ball adapter plate and three days later it was in my mailbox. First I replaced the AMPS plate with the ball adapter. I attached my control head to the mounting bracket and joined it to the ball adapter. A bit of try this and try that and I had it installed in my GMC Terrain as you can see in the photos. Mission accomplished, no more control head blocking one of the cup holders!



REVERSE BEACON NETWORK

How Skimmer Server Decides What to Spot - Beacons and More

By Pete Smith/N4ZR

[I saw a reference to this article in the CQ-Contest reflector on 09/28/2021. I have excerpted the part of interest to non RBN node operators. Editor]

3. Now we get to the user part, which is pretty simple. For users or beacon operators who want to make sure their transmissions result in spots, there are several cautions:

- For non-beacons, be sure you send one of the keywords – TEST or CQ (FD, SS, NA and UP also work in appropriate settings) – at least once in each transmission. Send your callsign at least twice. When in doubt, send it 4 times. It doesn't necessarily have to be all in the same transmission, because of the length of the decoding buffer.
- Make sure the CW is good – letter formation and spacing, and 3:1 dot/dash ratio. Any errors here may manifest themselves as copying errors. Use a memory keyer or software, if feasible, to be sure of this. Skimsrv is pretty forgiving, but there are limits. Above all, avoid using half-spaces right before or right after your callsign.
- If you want to repeat a transmission right away and have the same station spot you again – in antenna comparisons, for example – **you must QSY a half-KHz or so before making the next transmission. Skimsrv will not spot you on or close to the same frequency more than once every 10 minutes.**
- When operating remotely, check to be sure your CW is clean as transmitted – Internet latency can garble your CW.

For beacons, and particularly ones that are in the normal CW parts of the bands, make sure that your call and frequency are on one of the five most commonly-used beacon lists:

<https://www.keele.ac.uk/depts/por/50.htm>

<https://www.keele.ac.uk/depts/por/28.htm>

<http://www.newsvhf.com/beacons2.html>

<https://mmonvhf.de/beacon/beacon.csv>

<http://www.qsl.net/wj5o/bcn.htm>

The Aggregator downloads these files from the server every night and automatically updates its beacons.csv file. It checks every spot it receives against the file and uploads those that it receives from Skimsrv or RTTY Skimsrv, as well as any spots with /B on the end of the callsign, regardless of the presence or absence of keywords.

Tidbits from the ARRL Contest Update

September 29, 2021

WSJT-X 2.5.0 has just been released and is available on the [WSJT-X website](#). "New features are described in the WSJT-X User Guide [here](#) and in the [Release Notes](#). If you will use the new Q65 mode, please read the [Quick-Start Guide to Q65](#)."

K3RRR [noted in a tweet](#) that an outdated Android phone can be repurposed as an antenna rotator controller using the [Visual Rotor \(by EA7HG\) Android application](#), and some easy-to-build Arduino hardware based on an ATmega2560. [EA7HG's YouTube video](#) also illustrates how this works.

Alan, AD6E, posted a link to the YouTube video "[Bottom Cycle Blues](#)" by Raul, AE3RM, to the [Northern California Contest Club](#) reflector with the comment, "Wow, ham radio music." It originated from WA8Y's post to the [CWops reflector](#). Check page 66 of the October 2021 issue of QST for a feature article on Raul and his music.

///What3Words — Revisited

By John / N8FYL

In the [September 2019 issue of The Tuned Circuit, on page 11](#) is an article about an app for smartphones and web browsers called [What3Words](#). Time passes and it is now two years later and I am now seeing advertisements for this app on commercial television networks.

As a refresher this is what the app does:

We have divided the world into 3m squares and given each square
a unique combination of three words.
what3words addresses are easy to say and share, and as accurate as GPS coordinates.
51.520847, -0.19552100 \longleftrightarrow /// filled.count.soap

Check out [///examination.vivid.escaping](#)

Future Programs & Activities

“The Phantom” — Activities Manager

October 6, 2021	Regular meeting night. Program is a presentation of ARRL's Learning Network webinar " RF Exposure Rules ".
November 3, 2021	Regular meeting night.
December 1, 2021	Regular meeting night!
December 5, 2021	The long awaited return of the LCARC Swap!
December 8, 2021	Perhaps on this date we might again have a club Christmas dinner/party
January 5, 2022	Regular meeting night
January 29&20, 2022	Winter Field Day

L'Anse Creuse ARC Board Members – 2021

President

John Slobodnik, N8NXW
79165 Omo Rd / PO Box 383
Armada, MI 48005
586 337-0045
jrslobodnik@hotmail.com

Treasurer

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29729 South River Rd
Harrison Twp, MI 48045-3030
586 738-2487
n8geo@arrl.net

Past President

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40202 Vincenzia Dr
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586 201-5713
w8cqd@arrl.net

VP and President-Elect

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2855 Norton Lawn
Rochester Hills, MI 48307-4431
248-852-9130
k8ro@arrl.net

ARRL Liaison

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38024 N. Bonkay Dr
Clinton Twp, MI 48036-2103
586-465-4129
w8kd@arrl.net

Technical Officer

Doug Chauvin, N8PYN
29112 Elmwood St.
St Clair Shores, MI 48082
586 775-1891
n8pyn@yahoo.com

Secretary

Marty Folz, K8HVI
40360 Ryan Rd
Sterling Heights, MI 48310-1756
586-268-0544
k8hvi@arrl.net

Activities Manager

This position is available!

Analog FM **N8LC** Fusion Digital Only



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

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

Board Meeting Time and Location

Board Meetings are held at 7 pm on the Wednesday after the regular membership meeting in September, November, January, March, and May. The location for October 2021 is to be determined. is [Roseann's Kitchen, 21400 15 Mile Road](#), Clinton Charter Township, MI. All club members are welcome to attend ~~and have dinner~~. Talk-in through the LCARC ECHO 2 Meter repeater (147.080 MHZ, +600 KHZ, 100 Hz PL tone). Should a board meeting have a planned cancellation, this cancellation will be announced in the newsletter.

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 John	N8HAR N8NXW
ARRL VHF/UHF Awards Manager			Membership Chairman	John Huber	N8FYL
Call Sign ID Tags	Gregg Crump	N8GEO	TC email distribution		
Christmas Party	Cathy Chauvin	KC8WNK	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 (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. *The Tuned Circuit* has been formatted to be read easily with any reader programs for our visually impaired readers; however, an audio or a larger print version of its contents will be made available, upon request to the editor. 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 a VE session at our Swap on 12/5/21 and at the Tucker Senior Center for March 21, 2022. Doors open at 6 PM, and testing begins at 6:30 PM. Contact Gregg Crump n8geo.ham@gmail.com

=====

The current COVID-19 pandemic situation has disrupted many of the regular VE testing sessions. There ARE some 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 reported a number of sessions spanning the time until a year from now.

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.pdarrrl.org/k6rau/>

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

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



Upcoming Swaps

10/09/2021 - Pop-Up Trunk Sale

Location: Midland, MI

Type: ARRL Hamfest

Sponsor: Midland Amateur Radio Club

Website: <http://www.w8kea.org>

[Learn More](#)

10/16/2021 - 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](#)

10/17/2021 - Kalamazoo Hamfest & Amateur Radio Swap and Shop

Location: Kalamazoo, MI

Type: ARRL Hamfest

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

Website: <http://KalamazooHamFest.com>

[Learn More](#)

11/13/2021 - 11/14/2021

Fort Wayne Hamfest & Computer Expo, ARRL Central Division Convention

Location: Fort Wayne, IN

Type: ARRL Convention

Sponsor: Allen County Amateur Radio Technical Society

Website: <http://www.fortwaynehamfest.com>

[Learn More](#)

12/05/2021 - 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](#)

05/20-22/2022 - Hamvention

Location: Xenia, OH

Type: ARRL Hamfest

Sponsor: Dayton Amateur Radio Association

Website: <http://www.w8bi.org/>

And for those NOT going to Dayton ...

05/21/2022 - GMARC Trunk Swap

Location: Shelby Township, MI

Type: ARRL Hamfest

Sponsor: GM Amateur Radio Club

Website: <http://www.gmarc.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	Clem, W8VO	Every Monday
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
					Mike, AC8ER	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

___ \$10.00 Print and Mail me *The Tuned Circuit* via US Mail

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

___ \$10.00 Club Badge created with my Name and Call sign

___ Please update my membership information because it has changed.

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

Name: _____ City: _____ State: _____

Spouse: _____ Zip: _____ - _____ 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**

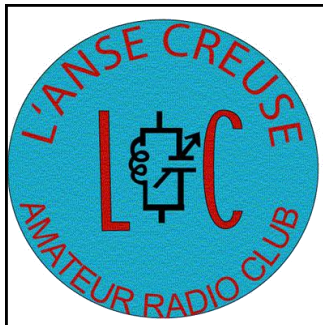
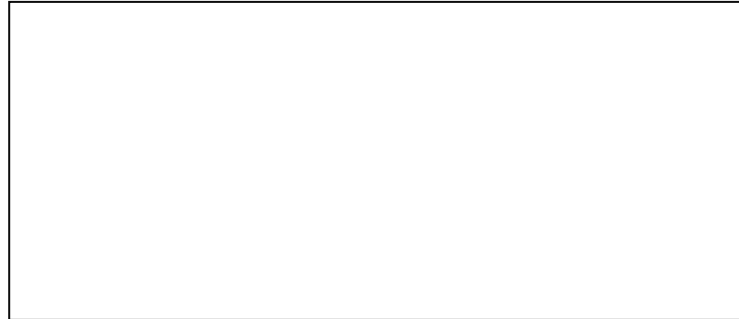
Class License (Circle One)

Novice Technician Tech+
General Advanced Extra

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

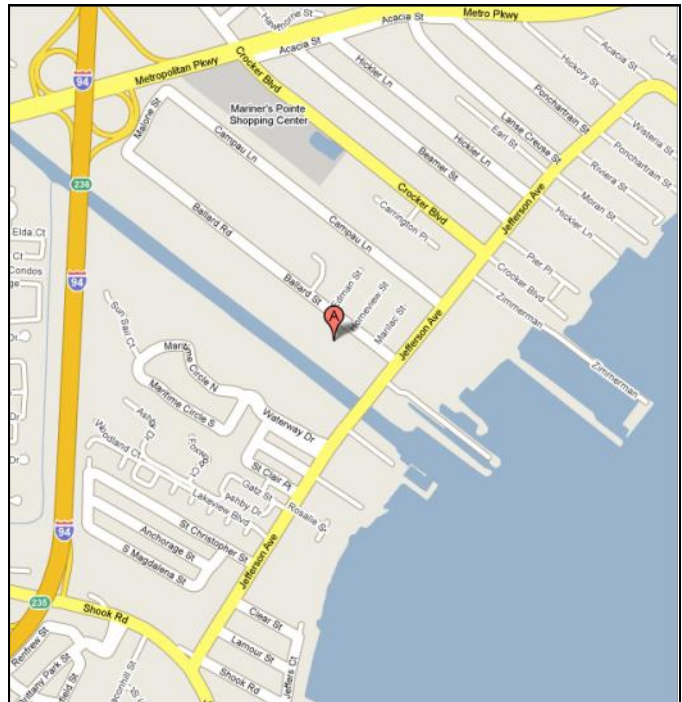
The Tuned Circuit
Monthly Bulletin of the
L'Anse Creuse Amateur Radio Club
29729 South River Rd
Harrison Twp, MI 48045-3030

First Class
Postage
+ Extra
Ounce



<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.