

THE TUNED CIRCUIT

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

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**The Deadline for
the next TC:
Monday
September 25th**

Next Meeting - 7:00 PM
September 6th 2023 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 might be
on Wednesday, September 13th,
2023 via [Zoom](#). Click here for
details .

THE PREZ SEZ

Hope you all are having a wonderful summer! Mine is going well and has been very busy for sure.

Immediately following the June meeting, we held the annual Fox Hunt which turned out to be very fun. I pulled out my doppler set up, which hadn't been touched since last year's Fox Hunt, and attached it to my vehicle roof. It wasn't working correctly in all directions. It was, however, getting good readings from the sides. I was able to slowly make my way to the fox by doing circles in parking lots to get a better bearing on the fox. I did find the fox and then enjoyed the post-hunt gathering to discuss everyone's experience on their respective hunts. Pizza and drinks were very good.



I enjoyed our next club event which was the ARRL Field Day (June 23-25) at Addison Oaks County Park. We had an awesome time with a large showing of people. We had many new faces and many new stations being set up. That is truly what it is about, getting out and testing that you can operate effectively in a remote location. This year, I set up the satellite station, which was a first for me at Field Day. I got a lot of help from Dale/K8RO. We were successful in making satellite contacts! And it was so much fun when I was able to finally make them by myself. Thanks to Gregg/N8GEO, for doing all the work so we could have another great FD at Addison Oaks.

Our repeater antenna project finally came to fruition!! After a couple weeks of rain delays, on July 27th, the tower company was finally able to come and perform all the work we had requested. We will have a full debrief at the September club meeting of how it all went.

We had a pretty good showing of people this summer for our siren testing that we performed in July and August. Thanks to all that reported during the club's summer break. Remember, September 2nd is our next siren test. We have the list of locations you can sign up to visit, just go to this link [Siren Testing Sign-Up Sheet](#) .

Looking forward to seeing you all at the September 6th club meeting!
73, Marty / K8HVI

Report of the Secretary

Submitted by Ken Janicki / KD8RJN
and added to by John/N8FYL

Meeting Call to Order:

President, Marty/K8HVI called the June 7th, 2023, LCARC general membership meeting to order at approximately 7:11 PM at the Tucker Senior Center. A Zoom session was also available for those not able to attend in person.

Roll Call: Marty/K8HVI, Dale/K8RO, Dennis/N8MKG, Gregg/N8GEO, Ken/KD8RJN, Fritz/KE8BFW, Doug/N8PYN, Debbie/KC8WHN, Jenny, John/N8FYL, Don/WN8IZV, Ralph/W8ROI, Philip/K8ZOO, Rick/K8RWM, Russ/N8HAR, Mike/N5WCS, Lito/K8AJJ, Tyler/KE8WFY, Tim/AD8JL, Dave/KC8BQW, Tony/KD8SRQ, Clinton/WD8ORM.

On Zoom: Tom/WU8C, Dave/KE8AER, and later Vince/WA8BIJ.

Visitors: None

FCC license upgrades: Dave/KE8AER to Extra and Russ/N8HAR upgraded to retired!

May Meeting Minutes:

Motion to approve the May 2023 meeting minutes as posted in *The Tuned Circuit* by Mike/N5WCS, seconded by Tom/WU8C. Motion passed.

Treasurer's Report: by Gregg/N8GEO:

Total amount in the account is	\$9470.57
The Youth Fund has	\$0.00
The Repeater Fund has	\$4916.07
Total available (unallocated) is	\$4554.50

Motion to approve by Mike/N5WCS, seconded by Tony/KD8SRQ. Motion passed.

Where's Doug: by Doug/N8PYN:

Monroe swap on Father's Day, June 18th. \$120 radio raffle tickets were sold at the Chelsea swap on June 4. Port Huron Seaway swap on the last Sunday of August, the 27th.

Technical Committee / Repeater Antenna project: Ken/KD8RJN provided an update on the antenna project at the repeater. A Zoom meeting with Tom (the person doing the work) has been held. 500 more feet of LMR 600 and 2 connectors have been acquired. The tower company has scheduled the

(Continued on page 3)

(Continued from page 2)

work to be performed on July 6th. Gregg/N8GEO had no update on the repeater interference attributed to DTE.

QSL Report: Dale/K8RO – no report tonight.

Net Points – Clem/W8VO not present hence no report.

VE Testing: Gregg/N8GEO reported that the next test session is June 19th.

Hamvention report: Gregg/N8GEO reported that the club had 5 tables at the Hamvention flea market spaces. Club members hawked our radio raffle tickets and around 140 tickets were sold!

Field Day: Gregg/N8GEO reported that the park has been paid the \$250.00 fee. There will be NO club organized meal activities, but there will be Saturday evening pizza. Also, the park vaguely indicated that the tower field location may not be available next year.

Membership Report: John/N8FYL. 85 members, of whom 4 are Life members and 17 are enjoying the “First Year Free” experience.

Tuned Circuit: John/N8FYL. The deadline for the September issue is Monday, August 28, 2023.

Board Meeting: The next Board Meeting will be announced via the LcRadioClub@groups.io “reflector”.

Swap Meet: Russ/N8HAR has the flyers available. Don/WN8IZV has purchased the first 3 tables!

Radio Raffle Ticket Sales: About 150 tickets have been sold.

Club Badges: The new badges have been received and delivered.

CW Practice Session: Dennis/N8MKG discussed having the CW practice sessions on Zoom. If interested, contact Dennis.

Evening Program: The Fox Hunt will take place after the June meeting with the post hunt gathering at Bentley's Roadhouse. Gregg/N8GEO and Doug/N8PYN will be hiding the “Fox Box”.

Nightout: Gregg/N8GEO has organized reservations at the Brown Iron Brewhouse in Washington Township. Let Gregg know if you are attending. As always the event starts at 6:30 PM

Siren Testing Report: Dale/K8RO reported a good turnout for the testing on June 4th. Only 2 of the 17 observed sirens activated. The county requested that the same sirens be observed on July 1st.

Meeting Close: The meeting was adjourned at about 8:03 PM and door prizes were selected by the lucky ticket holders. Then the fox hunters bolted to the parking lot and the fun commenced.

Fox Hunting
NOT this



But This



Trying to locate THAT



June 7th Fox Hunt Recap

By John / N8FYL

The volunteer fox was Gregg/N8GEO with Doug/N8PYN riding along. The Fox Box was located in the gazebo ([42.5344491630936, -82.90016383999361](https://www.google.com/maps/place/42.5344491630936,-82.90016383999361)) on Country Club Drive in the Lake Pointe Condominium complex, on Masonic between Harper and I-94. Sign reading “NO TRESSPASSING OR SOLICITING ALLOWED. All grounds, buildings, and drives are private property. This is a Neighborhood Watch Subdivision” at the entrance from Masonic. John/N8FYL, with Tyler/KE8WFL pointing the antenna, and Tim/AD8JL coaching from the back seat, decided to turn around at the maintenance building (about 350 feet past the sign) and not “trespass” further even though the signal was VERY strong as we turned around. It turns out we were about 445 feet away at that point, according to research with Google Map on June 8. As we were leaving, Dale/K8RO turned into the drive. Dale ignored the “No Trespassing” and found the fox a few minutes later. As we were turning onto westbound Masonic we observed Marty/K8HVI in the adjacent Ascension St. John Health Masonic Medical Center property so I turned in there and we had a short chat with Marty. We proceeded to Bentley’s, and Marty continued his quest to locate the fox.

Per Gregg/N8GEO at the after-glow

- ◆ 1st Overall, the Doppler equipped team of Dale/K8RO, Lito/K8AJJ, and Dave/KC8BQW. 45 minutes.
- ◆ 2nd Overall, the Doppler equipped Marty/K8HVI. 60 minutes.
- ◆ 1st “Almost” found it – John/N8FYL, Tyler/KE8WFL, Tim/AD8JL. If we had “pressed on regardless” of the No Trespassing sign I think we would have been there in less than 45 minutes.
- ◆ Did not Find the fox: the team of Dennis/N8MKG and Mike/N5WCS.
- ◆ DNS (Did Not Start) – Tony/KD8SRQ who apparently had some issues with connecting up his gear at the start.

At the post hunt gathering at Bentley’s Road House on S. River Road, Phil/K8ZOO, Ken/KD8RJN, and Fritz/KE8BFW, Phil/K8ZOO, Debbie/KC8WHN, Jenny, Rick/K8LRM, Larry/K8LEB, and others(?) were present to greet the hunters as they arrived.



Hunters who “Ignored This Sign”

Were rewarded by observing the fox box enjoying a lakeside sunset view.



The Repeater Antenna Work is Done!

Composed by John / N8FYL

It was a long time coming, but finally on Thursday, July 27, 2023, the L'Anse Creuse Echo repeater antenna project work was completed by the professional tower workers. The new 2 meter antenna is in place. Various feed lines have been replaced. The 2 meter and 440 repeaters are now working well at the Sterling Heights location. Dale/K8RO et al will have a complete report at the September meeting. Here are a few photos from installation day. I believe the photographer is Mark/N8REZ.



This is the new 2M antenna on its way to the top of the tower.



Every project needs some sidewalk superintendents! Mike/N5WCS and Doug/N8PYN accepted the job and were compensated commensurate with their applicable industry certifications.

On the right is the installed 2M antenna.

Gregg/N8GEO and Dale/K8RO wrangling some coax feedline.



SEPTEMBER 6TH MEETING!!!

Submitted by Dennis / WC8C—Activities Manager

The September program will be a [video presentation](#) on End Fed Antennas, by Bob Brehm/AK6R. This was originally presented to W6SD, the San Fernando Valley (CA) Amateur Radio Club on August 20, 2021. Bob Brehm, AK6R, is the Chief Engineer at Palomar Engineers, Inc., which makes antennas and RFI control devices for the ham, commercial and military markets. Bob discusses the many advantages of non-resonant end-fed antennas.

If you can't be there, consider joining the meeting via Zoom video conferencing using the details on [page 11](#).



Membership Report

During June we added John/KL3JC, and Clinton/WB8ORM to our club. And just before publication Larry/N4LAK (formerly KC8JCB) rejoined the club upon returning to Michigan after 10 years of living in Florida.

We have 88 members on our roster. Our membership comprises 84 regular members of whom 18 are “first year free” members, and four Life members.

November 1st is the start of our dues year, so soon it will be time to renew your membership for 2024! Keep a look out in your email inbox during September when I will send out the pre-filled L'Anse Creuse ARC membership renewal forms. KB8WCA, KL3JC, N8KC, N8KKG, N4LAK, W8OWL, W8ROI, WB8ORM, and W18W won't receive a form, because you are already paid up through October 31, 2024.



ARRL Affiliated Club Competition Changes Approved.

Effective August 15, 2023, The Eligibility Circle radius for medium and unlimited clubs has been increased to 250 miles. On August 16 I submitted a current eligibility list, but the radius change did not add any additional members.

John / N8FYL – 08/31/2023



The next LCARC administered
VE test session
is scheduled for
Monday, September 18, 2023.



ARRL Field Day—2023

The club operated N8LC for ARRL Field Day at the traditional Addison Oaks County Park location. Many of the long time FD veterans made an appearance as well as a number of new FD participants. I haven't seen (or at least can't remember or find) details on what the submitted claimed score was for the 5A operation. I'm sure we will get a more comprehensive report at the September meeting. Here are a few pictures of the event.



Tom/WU8C @ 6M/VHF/UHF



Marty/K8HVI at the operation position of his satellite station.



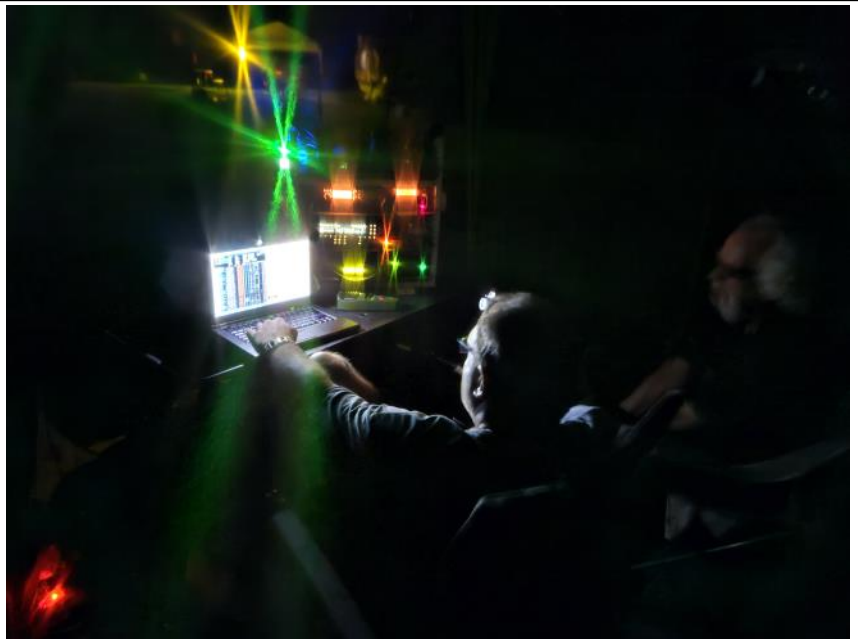
Dennis/N8MKG working some digital(?) activity.



Here's the front end view of the N8MKG station setup.



Above is the Tim/AD8JL & Tyler/KE8WFY digital station in the daylight and to the right is a night time view of Tim making some contacts after the sun is down, while Ted/W8UE observes.



The Dale/K8RO CW operating position.



Scott/K8VXM set up his HF station operated from battery power.



Ken/N8KC, Dennis/AC8JH, and Doug/N8PYN working on solving major problems of the world. HiHi

For as long as I can remember, this sign has appeared at the L'Anse Creuse Field Day, and I attended my first event in 1985. For many years it was provided by Ralph/W8ROI, and now it is in the care of Ted/K8EO.



WU8C says “Really Cool Site”

By John/N8FYL

A couple of weeks ago I received an email from Tom/WU8C with a link to what he described as a “really cool site”. <https://haminfo.tetranz.com/map> is site that can provide a map showing all the FCC licensed amateurs in a grid square. This is similar to the QRZ.COM “Explore on HamGrid Maps” feature found below the map on a “Detail” tab of a QRZ page except you can use call sign, gridsquare, Zip code or street address as the center of the map. Check it out.

This topic brings to mind something I’ve wanted to call to the attention of anyone who has moved and updated their address with the FCC. I have observed many instances where the geographic data (latitude, longitude, grid square, US State and county) on qrz.com no longer matches the station address. I have concluded that the QRZ system updates the station address when it receives the address update from the FCC, but QRZ never recalculates the geographic information! I can’t fault them for that. In many cases users have updated the geographic data elements to be more accurate than the QRZ calculated values. Some hams deliberately put in inaccurate data for privacy and/or security reasons. What this all amounts to is that the individual is responsible for the accuracy of their geographic data elements on qrz.com. It is my opinion that if qrz “Geo Source” value is “User Supplied”, then the qrz system never alters the Latitude, Longitude, Grid Square, US State and US County data elements.

If you need an example check the www.qrz.com/db/n8sa map and compare it to the map generated by the <https://haminfo.tetranz.com/map> site. [Note this is as of 8/31/23].

I also encourage everyone who is so inclined to provide their email address on qrz.com. This facilitates other hams ability to contact you should they find the need. Qrz.com does NOT store the email address on the web page in a form that can be read by web crawling bots. Maybe they did a long time ago, but not now. It takes the interaction of a mouse click to actually display the address text and I don’t believe the web crawlers can do that.

Excerpted from the ARRL Dale’s Tales for August 2023

Dale/WA8EFK announces Retirement

We in the ARRL Great Lakes Division have just entered a new election cycle for the offices of Director and Vice Director. It has been my honor and privilege to serve our Division as Vice Director for 4 years and Director for these past 9 ½ years. These years have been educational, very interesting and rewarding. It is however, time to pass the baton. I have chosen to make this my final term on the ARRL Board and in January, step back, relax and do some things for Judy and Dale.

Nominating petitions are now being accepted by ARRL HQ for the positions of Director and Vice Director in the Great Lakes Division.

Who will become the new Great Lakes Division Director?

In the Great Lakes Division, Vice Director Scott Yonally, N8SY, will run against Michael Kalter, W8CI, for the position of Division Director.

Balloting for contested seats will take place this fall. Votes will be counted, and successful candidates announced, in November. Candidates declared elected will assume their roles for terms beginning January 1, 2024.

Editor Notes: I have already received a campaign email from NS8Y, so the race is on!

For Sale

Yaesu VX-3R 2m/70cm FM Dual-Band Ultra-Compact HT

Offered by Ralph/W8ROI 586-913-5811

The HT measures (W x H x D) 1.9" x 3.2" x 0.9", and weighs 4.6 oz

It has an amazing list of features.

It can be programmed to transmit on the US ham frequencies of 144-148 MHz and 430-450 MHz.

It transmits 1 1/2 W on 2M; 1 W on UHF

Here is a detailed list of RECEIVE frequencies:

- AM Broadcast Band: 0.5 - 1.8 MHz
- SW Band: 1.8 - 30 MHz
- 50 MHz Band: 30 - 76 MHz
- FM Broadcast Band: 76 - 108 MHz
- Air Band: 108 - 137 MHz
- 2m Ham Band: 137 - 174 MHz
- VHF TV Band: 174 - 222 MHz
- Information Band 1: 222 MHz - 420 MHz
- 430 MHz Ham Band: 420 - 470 MHz
- UHF TV Band: 470 - 774 MHz
- Information Band 2: 803 - 989 MHz

This HT comes with

- 120 VAC 'Wall Wart' Charger
- A new, spare battery (3.7V, 1000 mAh Rechargeable Lithium-Ion Battery Pack)
- SMA to BNC antenna adaptor
- It has a 'rubber duck' antenna, 7 1/2" long, including mounting threads.
- Two laminated 'Quick Start' users guides; one basic, and one advanced.
- A full manual, 128 pages; measures 8 1/4" x 6".

Not sure of the vintage of the radio design, but the 128 page manual shows a copyright date of 2009.

Asking \$125.00.

I will bring the radio to the September 6th general membership meeting.

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



Additional Options that were offered (but not being sold here) when this radio was released:

Soft Case	Microphone Adaptor
VOX Headset	Cloning Cable
Speaker/Microphone	Dry Cell Battery Case for 3 x "AA" Alkaline cells
Earpiece Microphone	DC Cable w/Mobile Power Point Adapter

A Public Service Announcement

From Dave / W8WWP

I ran across this on YouTube.

I thought it would be of interest to others:

[Bad Fuses](#)

I, your Editor, found this information to be interesting and educational, so “Thanks Dave”.



Zoom Meeting Details for 2023



Join Zoom Meeting (Membership & Board Meetings)

<https://us06web.zoom.us/j/83614331186?pwd=YzVIMTZVNORaeUdGMkxVWVFIVVdpQT09>

Meeting ID: 836 1433 1186

Passcode: 379870

[Join Zoom Meeting](#) 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.

Future Programs & Activities

Dennis/WC8C — Activities Manager

September 2, 2023	Macomb County Siren Testing
September 6, 2023	Regular membership meeting — End Fed Antennas video by Bob/AK6R
September 18, 2023	VE Testing session at Tucker Senior
October 4, 2023	Regular membership meeting—Next year’s dues are payable now!
November 1, 2023	Regular membership meeting
November 4-5, 2023	ARRL Sweepstakes Contest, CW
November 18-19, 2023	ARRL Sweepstakes Contest, SSB
December 3, 2023	L’Anse Creuse Swap!
December 6, 2023	Regular membership meeting

L'Anse Creuse ARC Board Members – 2023

President

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

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29729 South River Rd
Harrison Twp, MI 48045-3030
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Technical Officer

Doug Chauvin, N8PYN
29112 Elmwood St.
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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 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	N8HAR
ARRL VHF/UHF Awards Manager				John Slobodnik	N8NXW
Call Sign ID Tags	Gregg Crump	N8GEO	Membership Chairman	John Huber	N8FYL
Christmas Party	Mark Castiglione	N8REZ	TC email distribution		
Club Apparel & Patches	Scott Hernalsteen	W8CQD	Net Points Manager	Tom Mathison	WU8C
Club Call Trustee - N8LC	Marty Folz	K8HVI	Net Points Upgrade Awards	Clem Duval	W8VO
Code Proficiency Awards	Vince Cuker	WA8BIJ	TC Postal Distribution	John Huber	N8FYL
Dayton Trip	Gregg Crump	N8GEO	Outgoing QSL Manager	Dale McGorman	K8RO
Door Prizes—Buyer	Doug Chauvin	N8PYN	QSL Cards	Dale McGorman	K8RO
Door Prizes—Tickets	TBD		Swap Chairman	Russ Price	N8HAR
Echo Repeater Trustee	Marty Folz	K8HVI	<i>Tuned Circuit</i> Editor	John Huber	N8FYL
Field Day	Gregg Crump	N8GEO	Volunteer Exams	Gregg Crump	N8GEO
Health & Welfare			Webpage (www.n8lc.org)	Doug Chauvin	N8PYN
Licensing Classes	TBD		Webpage Assistant	Marty Folz	K8HVI
			Youth Forum (50/50) [Alternate]	Ralph Irish	W8ROI
				John Slobodnik	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

The LCARC scheduled testing dates for 2023 are September 18 which is a Monday, and December 3rd at our swap.

Contact Gregg Crump
n8geo.ham@gmail.com

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.

Study Resources:

<https://study.affirmatech.com/>

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.ac6v.com/morseaids.htm>



Upcoming Swaps

09/10/2023 - [Findlay Hamfest](#)

Location: Findlay, OH

Type: ARRL Hamfest

Sponsor: Findlay Radio Club

Website: <http://findlayradioclub.org>

[Learn More](#)

09/16/2023 - [GMARC Trunk Swap](#)

Location: Packard Proving Grounds, 49965 Van Dyke Ave Shelby Twp, MI

Time: -8:00 AM–11:45 AM

Sponsor: GM Amateur Radio Club

[Learn More](#)

09/17/2023 - [Adrian Hamfest](#)

Location: Adrian, MI

Type: ARRL Hamfest

Sponsor: Adrian Amateur Radio Club

Website: <http://w8tqe.com>

[Learn More](#)

09/23/2023 - [CMARC HAM FEST](#)

Location: Lansing , MI

Type: ARRL Hamfest

Sponsor: Central Michigan Amateur Radio Club

[Learn More](#)

09/23/2023 - [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](#)

10/07/2023 - [Kalamazoo Hamfest](#)

Location: Kalamazoo, MI

Type: ARRL Hamfest

Sponsor: Kalamazoo SMART Club and Kalamazoo Amateur Radio Club

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

[Learn More](#)

10/14/2023 - [Muskegon Color Tour Hamfest](#)

Location: Muskegon, MI

Type: ARRL Hamfest

Sponsor: Muskegon County Emergency Communication Services, Inc

Website: www.mcecs.net/Hamfest.htm

[Learn More](#)

11/18/2023 - 11/19/2023

[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](#)

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
					NCS Needed !!!	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

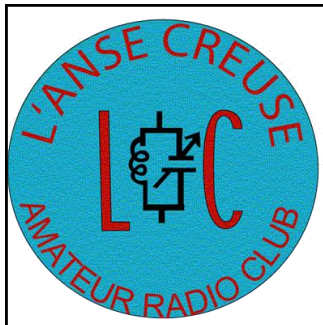
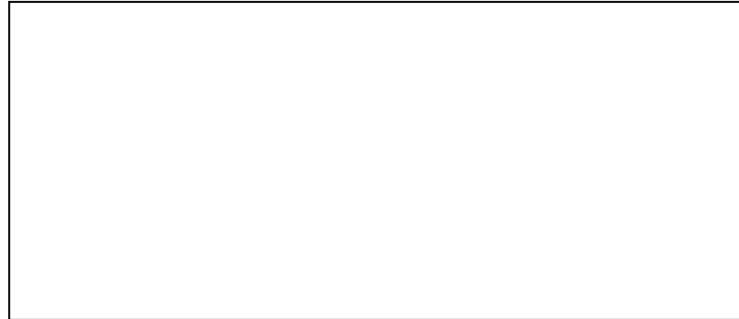
Only membership applications to go this address.. Make sure you use the full 9 digit zip code when mailing in your application.

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

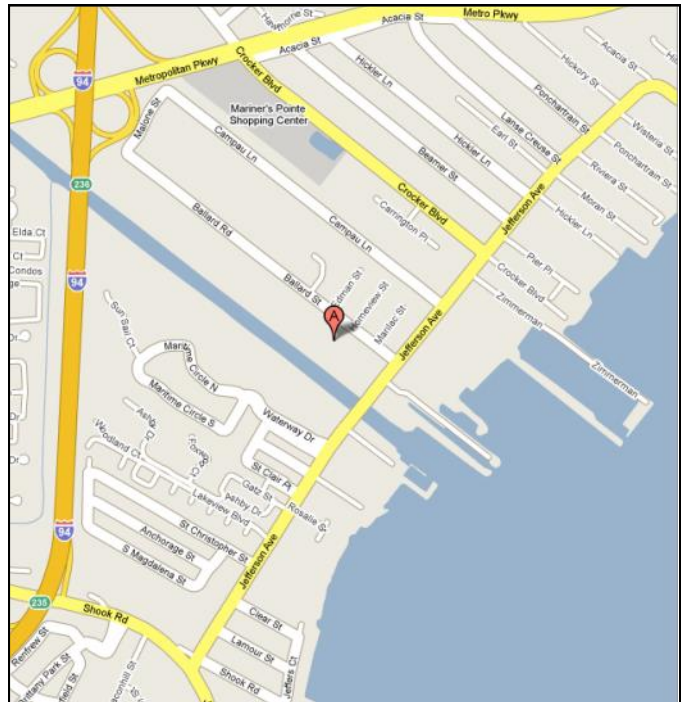
The Tuned Circuit
Monthly Bulletin of the
L'Anse Creuse Amateur Radio Club
29729 South River Rd
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<http://www.n8lc.org>

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](#) 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.