

THE TUNED CIRCUIT

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

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**The Deadline for
the next TC:
Monday
May 29th**

Next Meeting - **7:00 PM May
3rd 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, May 10th, 2023
via [Zoom](#). Click here for details .

THE PREZ SEZ

We had a good number of people out performing siren testing for Macomb County on Saturday April 1st. Probably helped that we have opened the large list of places to visit since we pretty much completed the priority locations for the county. Our next test is Saturday April 6th at 1pm. We will send out an email for signups to which location you would like to visit. We will be on the club repeater during this event. FYI, to check a siren, you don't need to have a radio. You can just email in your results when you get home. If you can't make it to a location, you can still listen on our repeater for the event.



Our Michigan QSO Party event at the Metamora-Hadley Recreation Area campground went well on April 15, 2023. We had two stations. Dale/K8RO's camper was used for CW operation. He put up a G5RV. The Camper Cabin was for voice. We had two antennas: a large G5RV (about 225') and a regular G5RV (102'), which were perpendicular to each other. One was shooting north and south and the other shooting east and west. It was really cool to flip between the two to see which would work best for the person you were contacting. We operated from 12 noon to 12 midnight. We had about 8 people visit for the day. A few of them operated SSB and CW. The weather was absolutely perfect. We had never seen this campground that full for a Michigan QSO Party. We for sure had a great time.

On our repeater antenna project, we completed getting the city's approval to perform the work on the tower. We will set up a zoom meeting with the tower company to go over all our plans to make sure we have everything ready for when the final day is selected.

Thanks again to Dennis/WC8C for the excellent presentation on Surface Mount Soldering (SMD) at our April club meeting. He brought in SMD examples which really brought home the information presented in the slides and video. A lot of good discussion was had. I certainly learned a bunch.

Dayton Hamvention is coming soon on May 20th weekend. If you are going, please try to stop by the Youth Forum and support Ralph/W8ROI who is

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representing our club by helping man multiple tasks at the forum. This forum starts Saturday at 9:15 AM and goes until noon. It is free to attend. Just coming out and watching the youth presentations and awards are very enjoyable. Also, every person that comes in gets a door price ticket. They give out many door prizes to attendees. The big prize this year is an HF rig from ICOM. There is a pretty good chance of winning a prize. So, stop in and show your support!

Looking forward to seeing you all at the May 3rd club meeting!

73, Marty/K8HVI

Report of the Secretary

Meeting Call to Order:

President, Marty/K8HVI called the April 5th, 2023, 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:

Marty/K8HVI, Gregg/N8GEO, Dennis/N8MKG, Ken/KD8RJN, Fritz/KE8BFW, Mike/N5WCS, Doug/N8PYN, Dennis/WC8C, Ken/N8KC, Dennis/AC8JH, Rick/K8RWM, Russ/N8HAR, Ralph/W8ROI, Tim/AD8JL, John/N8JFJ, Tyler/KE8WFY, Scott/K8VXM, Tony/KD8SRQ, Lito/K8AJJ, Keith/W8KD Bill/K8WWH, Jenny (No Call), Debbie/KC8WHN, Dale/K8RO, Dave/K8GTV

On Zoom:

Tom/WU8C, Joe/KE8SKF, Henry/N8AT

Visitors: None

FCC license upgrades: None

December Meeting Minutes:

Marty/K8HVI made the motion to approve the prior month's (March 2023) meeting minutes as posted in the Tuned Circuit. There was no second to the motion. The motion was approved by all.

Treasurer's Report: by Gregg/N8GEO:

Total amount in the account is	\$8983.00
The Youth Fund has	\$364.00
The Repeater Fund has	\$874.00
Antenna Project has	\$1,916.00
Total available (unallocated) is	\$5828.00

Editor Note: Applying arithmetic to the reported amounts yields an unallocated amount of 5829.00. The reported numbers seem to be supported by the recorded Zoom meeting video.

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The Treasurer's Report was approved by the membership.

Where's Doug: by Doug/N8PYN:

St. Joseph Michigan swap is April 22 and is the only one in Michigan for April, and Dayton will be in May.

Technical Committee Report: Doug/N8PYN

Ken/KD8RJN provided an update on the antenna project at the repeater. We have been moving forward with Thumb Radio and pending some paperwork the project will be getting scheduled for this summer. The formal quote has been received and Marty will follow up on the written permission from the city to allow the work on the tower.

Marty/K8HVI gave an overview of the vote to be taken to increase the funding for the antenna project by \$3,000. The vote was taken and approved by the membership.

Siren Update:

Dale/K8RO provided an update on the Macomb Count Siren Testing. Testing has been going well and we had 15 sirens checked in April. Four sirens were reported as failed to the county and have been addressed. One has been reported to get fixed, a new location for one was provided, and the two were human error on start time.

ARRL Liaison report: Keith/W8KD

- The Michigan section manager, Mr. Les Butler/W8MSP has passed away and is being replaced by Larry Camp/WB8R.
- ARRL will be doing a survey of members in May to look for ways to reduce cost and provide improved services. One major cost is the printed publications.
- The Great Lakes Division Convention will be at Hamvention. They will have a brag board and would like hams from the Great Lakes area to bring in QSL card to post.
- April 18 is World Amateur Radio Day.
- If you are not able to attend our club's Field Day on June 24th and 25th and would like to visit a Field Day taking place elsewhere, there is a Field Day locator online at arrl.org. To find one near you to visit or attend.
- VOTA has been going fine.
- A comment by ARRL was to provide a Zoom session for club meetings to get more members involved. We have been using Zoom for our meetings for about 3 years.
- Orlando HamCation stated they had 21,830 attendees. Dayton Hamvention has had 31,000 in the past. HamCation will be February 9th to the 11th in 2024.
- Hamtest Online is going out of business unless someone is willing to purchase it. It will end on June 30, 2023.

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- In March of 2023 FEMA provided an update in their communication section that includes amateur radio. It will provide training for using amateur radio during disasters.
- MARS has a new leader due to the prior leader stepping down.
- There are 51 contests in April. 11 are QSO parties and 13 are special events.

QSL Report: Dale/K8RO – No report was provided.

Membership Report: John/N8FYL Not present so no report was provided.

Tuned Circuit: John/N8FYL not present but the April Tuned Circuit deadline is Monday April 24th, 2023.

Net Points – Clem/W8VO – Not present and no report was provided.

VE Testing: Gregg/N8GEO stated testing went well but we only had one person testing. He passed and is interested in joining the club.

Dayton Rooms – Gregg/N8GEO stated the rooms for the Dayton Hamvention in May have all been booked.

Dayton/Youth Forum: Ralph/W8ROI stated everything is set.

Michigan QSO Party: Location will be Metamora Hadley Recreation Area on April 15.

Board Meeting: The Board meeting will be on April 12th on Zoom at 7:30 PM.

Radio Raffle Ticket Sales: Gregg/N8GEO stated we have sold \$500.00 tickets to date for the radio.

Club Badges: Gregg/N8GEO stated he will be taking orders for anyone wishing to get a badge. By making a bulk order we save on shipping cost.

Evening Program: Dennis/WC8C will provide an overview of soldering surface mounted components.

Meeting Close: A motion was made by Dale/K8RO and seconded by Russ/N8HAR. Motion passed and meeting was adjourned at 7:45 PM.

Did you get a taste for operating “in the field” with the club at Michigan QSO Party? You won’t have to wait long to experience it again because soon it will be ARRL [Field Day](#), which is on June 24th and 25th this year. L’Anse Creuse ARC is again heading for [Addison Oaks County Park](#) to set up in our traditional spot in the “Water Tower Field”. Our site will be entered on the [ARRL Field Day Station Locator](#) to help all amateurs find us.

Save the dates (June 24th and 25th, in case you forgot already) and plan to participate in this big N8LC summer operating event. You don’t have to stay there for the whole event. Come for a few hours, check out the stations, get in some operating, do some socializing, enjoy some food and have FUN!

We have already made the switch to Daylight Saving Time, the snow is almost all gone, and in three months (which will seem to pass quickly) it will be **FIELD DAY!**



Board Meeting Minutes

Submitted by Ken, KD8RJN

Meeting Call to Order:

The LCARC President, Marty/K8HVI called the April 12th, 2023, LCARC board meeting to order at 7:33 PM. The meeting was held via Zoom.

Present were:

Marty/K8HVI, Keith/W8KD, Gregg/N8GEO, Dale/K8RO, Dennis/N8MKG, Vince/WA8BIJ, Doug/N8PYN, Dennis/WC8C, Mike/ N5WCS, Lito/K8AJJ

Repeater Antenna Installation: Marty/K8HVI Provided an overview of the request to the club to increase the amount for the repeat work. \$3,000 was approved. Thumb Radio provided a formal quote, and we will be moving forward to schedule the work.

Siren Testing: Dale/K8RO and Marty/K8HVI discussed the progress we are making on the siren testing. Our contact at the county has been very good at getting back with us on the status of repairs. She informed us the Detroit Arsenal is not part of the county's siren program.

Testing and VE Support: Gregg/N8GEO stated the next testing session is June 19th at 6:30 P.M.

Michigan QSO Party: It will take place on April 15th. The Board decided to go to Metamora-Hadley Recreation Area for the weekend.

Club Donations: Gregg/N8GEO provided an update on two donations made to the club for our general funds and the youth forum. He will provide more details to the members at the next meeting.

New Member: Gregg/N8GEO received a membership application from WD8ITP, and he has provided the information to John/N8FYL.

Storage Containers: Gregg/N8GEO stated he received some free containers, and they will be put in the repeater shack for additional storage.

Field Day: Gregg/N8GEO contacted the Addison Oaks site, and he was told everything is all set for the club.

Repeater Interference: Gregg/N8GEO stated he heard the noise was back on the repeater. Lito provided dates and times he has heard the noise on the 2 Meter.

Club Records on File: Dennis/N8MKG stated the GM club treasurer passed away and the GM club was working on finding all the financial records for the club. Our club has a repository of all the records for all board positions in our Sync Account. Marty/K8HVI provided an overview of the content. It was discussed that we need each board member and committee chair to define their roles and key contacts.

Morse Code Class: Dennis/N8MKG presented an idea for a morse code training session on Zoom to help members learn code. He will present the idea at the next club meeting.

The meeting adjourned at 8:17 PM.

MAY 5TH MEETING!!!

Submitted by Dennis / WC8C—Activities Manager

For May, Dale (K8RO) will do a remote operation demo as a follow up to the March presentation.

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



Membership Report

It is with sadness that I report our member Don Ledwith/K7SDF died on April 7th apparently as the result of a fall at home. There is no information about any services.

However, we remain at 83 members because we welcome new member Mitch Price /WD8ITP. Yes that's 3 Price brothers who are now members of the club: Russ/N8HAR, Hal/W8HJP, and Mitch/WD8ITP, and until his passing in 2008 their father Jim/K8NER was also a club member.

Our membership comprises 79 regular members of whom 15 are "first year free" members, and four Life members.

John / N8FYL — 04/25/2023



Donations to the Club

Submitted by Gregg/N8GEO

To make everyone aware and to publicly thank donors, the board has agreed to publish donations that are made to the club in the Tuned Circuit.

Ted/K8EO and the family of a SK have donated \$160.00 to the club. Ted helped the family identify and sell the SK equipment. THANKS to Ted for facilitating this donation and for helping that family in their time of need.

Gregg/N8GEO and the family of a SK have donated \$50.00 to the club. Gregg helped the family identify and sell the SK equipment. THANKS to Gregg for facilitating this donation and for helping that family in their time of need.

Anonymous - There was a \$100.00 anonymous donation made to the club that was related to a SK equipment sale. THANKS for facilitating this donation and for helping that family when in need.

Editor: For those (like newer members of our great hobby) who don't know, a Silent Key (or SK) refers to a ham who has passed away.

Dayton Hamvention 2023 Flea Market spots

The L'Anse Creuse club spots are

7935, 7936, 7937 and 7938.

When you stop by, thank AI/W8TRW for his contribution to the club by securing the flea market spots.



The next VE test session is scheduled for **Monday, June 19, 2023.**



There once was a ham from Belize
Or V-Thirty One if you please
Who would rant night and day
About M F J
'Til at last he joined Silent Keys

There once was a ham with a great fist
Who sent on a key with his wrist
When paddles came out
He expressed some doubt
And said those would just give him a lisp.

2023 ARRL Field Day Gear is Now Shipping!

ARRL Field Day is June 24 - 25. Get ready for amateur radio's largest on-air operating event with official 2023 ARRL Field Day merchandise available for order now. T-shirts, hats, pins, patches, and stickers are great ways to show off your involvement in this annual event. This year's colorful design features a globe centered on North America and the words, "Tune In The World." The back of the t-shirt includes a check-off list of ARRL and RAC Sections - a fun way to keep track of your Field Day contacts.

Encourage club members, family, friends, and prospective hams to take part with ARRL Field Day recruitment posters and attractive "Get on the Air" (GOTA) pins for newcomers.

Get your 2023 ARRL Field Day supplies from the ARRL online store or by calling the toll-free number 1-888-277-5289, from Monday through Thursday, 8 AM to 7 PM and on Friday from 8 AM to 5 PM Eastern Time. If you are outside of the US, call 1-860-594-0355.

The complete 2023 ARRL Field Day packet is online. ARRL encourages participants to register their Field Day operations with the Field Day Site Locator.



Dayton Youth Forum Support — How did it start?

Submitted by Ralph/W8ROI

I am guessing that there are many LC club members who know that the club has been involved at the Dayton Hamvention with respect to the Youth Forum. I don't know how many members know just how it got started.

It might have been the 2nd or 3rd Youth Forum. Back then, Carole Perry, [WB2MGP](#), was a schoolteacher in Staten Island, New York. She was VERY involved in Ham Radio at that time and was most anxious to see the hobby flourish and grow.

She approached the School Board and proposed that a Ham Radio Class be a part of the curriculum and that EVERY student passing through that particular middle school be required to take the class! However, getting a ham license was NOT a requirement of passing the class. Just paying attention in class and getting reasonable grades on tests was all that was required.

Carole designed an interesting Code Practice Oscillator. It fit into a jewelry gift box and ran on a standard 9V battery. It had a simple oscillator circuit and drove a small speaker inside the case. There was also a volume and a tone control to set the device to one's liking.

She had a few dozen of them available and just before the start of class, some kids would come into the room and head right for the table up front where the box of CPOs was sitting. They would take one to their seat and set the controls and start sending to themselves or to someone nearby. Shortly after the class started, Carole would assign someone to take the box and go around and collect all the CPOs.

If one wanted to 'play with' one of the devices, they had to be there early, since there were NOT enough to go around!

She created a curriculum that was approved by the school Principal and counselors, and it became a 'must pass' class to be passed into the High School.

When Carole retired, the class was basically 'retired' also, since there were no other hams on the school staff, so the class was dropped, and the requirement also was eliminated.

Now, with that bit of info, how did we get involved? Well, it started out with a hangover, you might say. Early one Saturday morning at Dayton, Ralph was wandering around not feeling real good. So, he went into a building and spotted a forum room where he hoped to find a chair. He was lucky in that there were still a few chairs near the back of the room he entered. He plopped down into one of them and waited to see what was going to happen up front. A few minutes later, a woman picked up the mike and announced that the Youth Forum was about to start. The noise level dropped, and Carole said the name of the first presenter. A young person stepped up on the dais in front of the mike and started talking about their home radio club. That presentation lasted maybe 7 minutes and was well thought out and the kid got a nice round of applause.

Carole announced the next name, and another youngster came up and put on another nice presentation. By the time it was over, my headache was gone, and I felt much better. There was a small, short raffle of door prizes, and then Carole and her 'presenters' and the audience were expected to leave the room to make room for the next forum.

I was really impressed with what I had seen, and went up and when Carole had a free minute, as she was gathering up her books and papers to leave the forum room, I introduced myself and said that I was

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most impressed with what I had seen, and that I would see if I could talk our club board into providing one or two more door prizes for the following year.

That proved easy to do and the next year, I was ready for the Youth Forum, arrived early and presented the two items to Carole. She remembered our short conversation at the end of the prior year's forum and thanked me.

The next year a few of the club members attended the Youth Forum and one of them was Erin, KD4YLR, who was fairly new to the club, along with one brother and her father. One of the presenters that year was a young fellow from Windsor, Ontario, and he and a few friends talked about some of their 'youth activities' in the Windsor radio club they belonged to.

Long story short, about 8 years later, Erin and Don Lafreniere, VA3DJL/[W8PSP](#), were married! They met via Ham Radio and had an 'international romance' going and started to attract attention when Don and his friends came across the bridge or through the tunnel to attend many of the Sunday Swap and Shops in the greater Detroit area.

Erin & Don's two oldest boys are now licensed and perhaps the youngest one might follow along with the 'family hobby' of Ham Radio. Peter, 16, is N8PJL and Simon, 11, is KE8TXD.

The L'Anse Creuse contributions to the door prizes of the Youth Forum increased a little over the years. At the time the club sold their club van, the monthly 50/50 raffle dedicated to fund raising for the upkeep of the van was moved over to fund raising for the Dayton Youth Forum.

I'm certain that some club members are aware of the history of our support of the Youth Forum, but now you know the entire story! As well as the little sub-story about the International Romance.

For now,

73, Ralph - W8RO1



Here are some photos of the jewelry box Code Practice Oscillator mentioned in the article.



My Opinion and Comments about FreeDV

by Dave/N6WY

FreeDV (FDV) is a Digital Voice mode for HF radio. It is called FreeDV because It uses 100% Open-Source Software, including the speech codec. FDV has been around for over a decade, and it is a topic that always generates a lot of discussions at the Digital Communications Conferences. Ten years ago, FDV did not sound good to me. When I read in a recent ARRL newsletter (March 9, 2023) about the Amateur Radio Digital Communications (ARDC) awarding a \$420,000 grant to develop and document FDV, I decided to try FDV. I am going to state the "punch line" of this article in the first paragraph. FDV works great over good to poor HF channels and can be a competitor to SSB.

This article is not about how to set up FDV using a computer and a transceiver. The purpose of this article is to share my experience of using FDV and give my opinion. The internet has many how to web sites for FDV. Most of the information on the internet is very old. At the end of this article, I list some web sites that I found very helpful.

The way I have FDV working is my computer runs the FDV software and does the codec function. On transmit, my speech is picked up by my computer's internal microphone. The FDV software on my computer compresses the speech and then modulates the compressed speech. The encoded signal is sent to the audio input of my SSB transceiver. On receive, the signal is received by my SSB transceiver. The SSB transceiver's audio output goes to my computer where the FDV software decodes and outputs the decoded audio to my computer internal speakers. You do need two separate sound cards for FDV. In my configuration, I use the computer's internal sound card and the transceiver's built-in sound card. A single USB cable connects the transceiver to the computer. The computer's keyboard spacebar is the transmit switch.

FDV has several modes. My favorite mode is the 700D. Table 1 shows the FDV modes and how they compare to SSB and Skype. If you accept the SSB speech quality score as a 5 out of a possible 10, then the speech quality score for the 700D mode is a 3 out of 10. But the speech bandwidth of the 700D mode is 4 kHz and the RF bandwidth is 1 kHz.

Table 1. FDV Modes as shown in the FDV Operating Manual

Mode	Min SNR	Fading	Latency	Speech BW	Speech Quality
SSB	0	8/10	low	2600	5/10
1600	4	3/10	low	4000	4/10
700C	2	6/10	low	4000	3/10
700D	-2	4/10	high	4000	3/10
700E	1	7/10	medium	4000	3/10
2020	4	4/10	high	8000	7/10
Skype	-	-	medium	8000	8/10

Before I make a FDV CQ call, I have the speaker audio level of my transceiver set to a low volume where I can listen to determine if the frequency is busy. I often leave the transceiver audio at a low level during a FDV QSO so that I can hear interference to the FDV signal that I am receiving. The only audio that I

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hear from my computer speakers is the voice of the person that is using the frequency to transmit FDV. I can have a FDV conversation as long as the SNR of the received FDV is -2 dB or greater. I have had a solid FDV QSO when a SSB station started calling CQ on the same frequency that I was using for FDV. The SSB that was calling CQ was about 2 S-units above the FDV signal. I was still able to copy the FDV signal.

FDV users can use the FDV QSO Finder web site (<http://qso.freedv.org>). The FDV QSO Finder is a real time bulletin board. I used it to chat with other FDV users and to let them know the frequency that I am monitoring or using to call CQ. I also make comments that can be read by anyone that is logged in. Clicking on one of the preset frequencies will quickly post my call sign and my radio frequency.

A good starting point for finding more information on the web is the FDV home page (<https://freedv.org>). A video that gives a good overview of HF FDV was made by K5WH (<https://www.youtube.com/watch?v=OfDkjVXrtOI>). A current FDV operating manual is available on the web (https://github.com/drowe67/freedv-gui/blob/master/USER_MANUAL.md).

If you have the equipment to operate the HF digital modes, then you have the equipment for FDV. All you need to add is the FDV software. The FDV home page gives the download links for many computer operating systems.

I have enjoyed operating FDV. You should give it a try.



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

May 3, 2023	Regular membership meeting—Remote Operating demonstration
May 6, 2023	Macomb County Siren Testing
May 19-21, 2023	Dayton Hamvention , Xenia Ohio
June 3, 2023	Macomb County Siren Testing
June 7, 2023	Regular membership meeting & Fox Hunt
June 24-25, 2023	ARRL Field Day—LCARC at Addison Oaks County Park, Leonard, MI
July 1, 2023	Macomb County Siren Testing
August 5, 2023	Macomb County Siren Testing

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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	N8HAR
ARRL VHF/UHF Awards Manager			Membership Chairman	John Slobodnik	N8NXW
Call Sign ID Tags	Gregg Crump	N8GEO	TC email distribution	John Huber	N8FYL
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	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 June 19, and September 18 which are all Mondays.

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

05/06/2023 - [Wexauke ARC Swap & Shop](#)

Location: Cadillac, MI

Type: ARRL Hamfest

Sponsor: Wexauke Amateur Radio Club

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

[Learn More](#)

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

and ARRL Great Lakes Division Convention

Location: Xenia, OH

Type: ARRL Hamfest

Sponsor: Dayton Amateur Radio Association

Website: <http://hamvention.org>

[Learn More](#)



06/04/2023 - [Annual Chelsea Amateur Radio Club Swap Meet Partnering w/Michigan Electronics Expo](#)

Location: Chelsea, MI

Type: ARRL Hamfest

Sponsor: Chelsea Amateur Radio Club

Website: <http://wd8iel.com>

[Learn More](#)

06/17/2023 - [Midland Amateur Radio Club Hamfest](#)

Location: Midland, MI

Type: ARRL Hamfest

Sponsor: Midland Amateur Radio Club

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

[Learn More](#)

06/18/2023 - [Monroe Hamfest](#)

Location: Monroe, MI

Type: ARRL Hamfest

Sponsor: Monroe County Radio Comm Assoc

Website: <http://mcrca.org/>

[Learn More](#)

07/15/2023 - [GMARC Trunk Swap](#)

Location: Shelby Township, MI

Type: ARRL Hamfest

Sponsor: GM Amateur Radio Club

[Learn More](#)

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

Location: Findlay, OH

Type: ARRL Hamfest

Sponsor: Findlay Radio Club

Website: <http://findlayradioclub.org>

[Learn More](#)

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

Location: Adrian, MI

Type: ARRL Hamfest

Sponsor: Adrian Amateur Radio Club

Website: <http://w8tqe.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

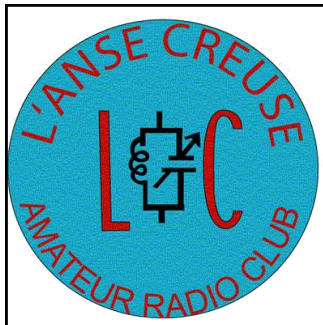
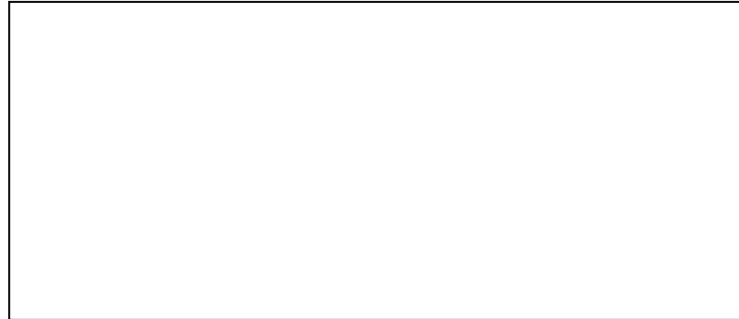
Only membership applications to go this address.. Make sure you use the full 9 digit zip code when mailing in your application.

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

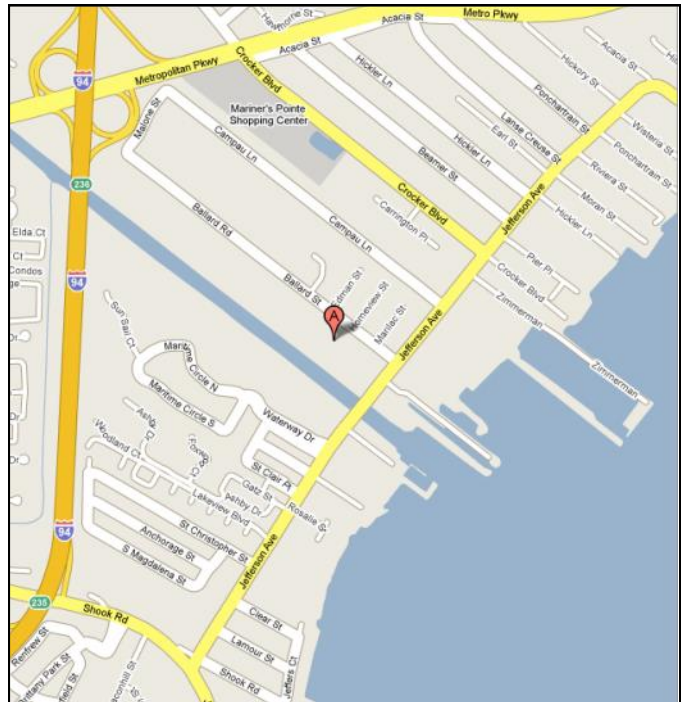
The Tuned Circuit
Monthly Bulletin of the
L'Anse Creuse Amateur Radio Club
29729 South River Rd
Harrison Twp, MI 48045-3030

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.